# FILED AUG 31, 2016 DOCUMENT NO. 07191-16 FPSC - COMMISSION CLERK

# BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **Redacted**

# **EXHIBIT PCF-1**

OF



# PATRICK C. FLYNN

# on behalf of

Utilities, Inc. of Florida



### ADD-CHANGE FORM

Deputered by		New Project	Assigned F		9/05/00115
Requested by:	Michael Wilson Project Manager / An			Date:	8/25/2016
Project Name:	CL WTP Replac	ce Hydro Tank #1			
Company:	Cypress Lakes	Cypress Lakes Util Inc		el ante	
Business Unit:	248100	Cypress Lakes Utilities Inc W	BU Type:	WF	
Project Owner:	Patrick Flynn		Budget Owne		hn Hoy
Project Manager:	Michael Wilson				orida
Start Date:	12/1/2016	Q4 2016	Region:	Flo FL	
Estimated End Date:	2/28/2017	Q1 2017	State:	FL FL	
Project Type:	EH&S Cor	npliance			
Will project replace/reti	re any assets:	Yes			
Previously Requested:					
This Request: Still to be Requested:	\$30,000				
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Total Project Budget: escription: is project will involve the follo Disconnect a 10,000-gallon	hydropneumatic tank	from Summertree Well 13.			
Total Project Budget: ascription: is project will involve the follo	owing: hydropneumatic tank ss Lakes WTP. structures for tank. ports and connect it to nfect and sample befo	existing yard piping.			
Total Project Budget: ascription: is project will involve the follo Disconnect a 10,000-gallon Transport the tank to Cypres Construct concrete support Install the tank on new supp Clean the tank, inspect, disi	owing: hydropneumatic tank ss Lakes WTP. structures for tank. ports and connect it to nfect and sample befo	existing yard piping.			
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#### **JUSTIFICATION / ALTERNATIVES**

#### **Justification and Benefits:**

This project is needed to replace Hydropnuematic Tank #1, which was installed in 1987 and is at the end of its useful service life. The last inspection performed in May 2015 by Crowell Plumbing determined the existing hydro tank required sandblasting and internal coating, which would cost in excess of \$15,000, or replacement. The tank is a non-code ASME with no data plate.

After an interconnection is constructed at the Summertree water system with Pasco County Utilities in 2016, the ASME code 10,000-gallon hydro tank at Summertree Well 13 will be taken off line and available for use at Cypress Lakes. Because the Summertree Well 13 hydro tank was purchased in 2012 and was built to ASME specifications, it has many years of remaining service life. Relocating and installing this tank at the Cypress Lake WTP can be accomplished cost effectively compared to the cost to purchase and install a new 10,000 gallon tank.

#### **Risk Evaluation**

The existing Cypress Lake #1 hydro tank has experienced degradation of its internal surface coating and steel structure after nearly 30 years of service. As identified in the 2015 Crowell inspection report and as directed by the Polk County Health Department inspector, the utility must either replace or completely refurbish the tank in 2016. If the tank was sandblasted and then found to have additional significant deficiencies, that need to be addressed, the project cost could easily and significantly increase on a tank that does not meet ASME specifications.

#### **Alternatives Considered:**

1. Remove tank from service, sandblast and internally coat as recommended by inspector at a cost of \$15,000. Utilizing the non ASME code tank.

- 2. Remove and replace with new tank at an estimated cost of \$60,000.
- 3. Replace with transferred tank from Summertree at a cost of \$40,000.

Technical Review Summary:



# Financial and Regulatory Implications

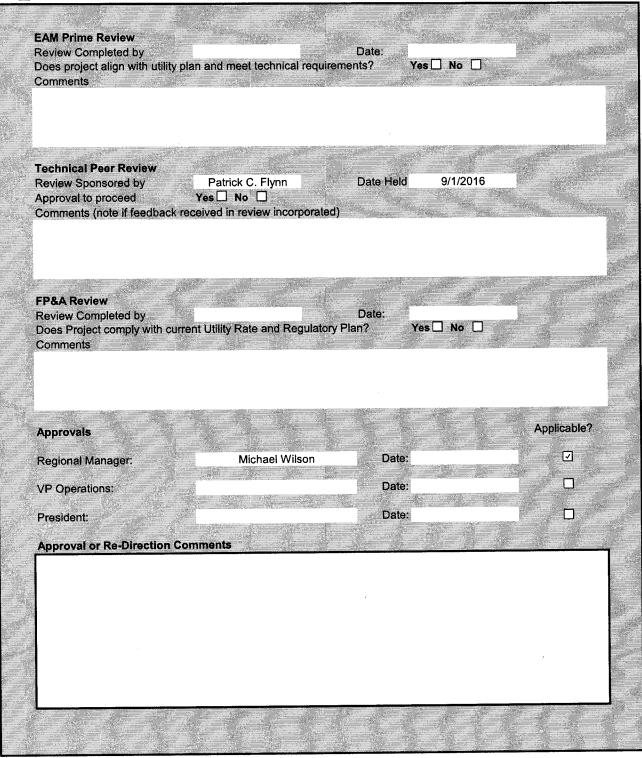
Proposed Project Spend Project Spend in Current Plan	30,000						
/ariance	(5,000)						
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Net Rate Base	30,000	30,000	30,000	30,000	30,000		
O&M Cost Impact B/(W)			I				
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Financial Justification		<u> </u>	A The Apple is		rt waa aubm	itted to the Pr	olk County
1. The existing tank was inspecte Health Dept. which directed the u	ed in 2015 and	found deficiel	nt. The tank in	spection repu	n was subm		Sik Obunty
2. The existing tank was installed	1 in 1987 and i	s at the end of	f its service lif	 e.			
2. The existing tank does not me	of ASME sner	ifications whe	reas the tank	at Summertre	e Well 13 do	es.	
4. The cost to replace Cypress I :	akes Hydro Ta	ink #2 in 2013	was more that	an \$50.000. T	he cost to rep	place the orig	inal hydro tank a
Summertree Well #13 in 2012 wa	as about \$60 (	00. Repurpos	ina the Well 1	3 tank is a co	st effective u	se of an exis	ling asset.
5 No construction permit is requi	ired to comple	te the project.	This is consid	dered a mainte	enance activi	ty since this i	s a like for like
replacement of the existing tank	with an ASME	code tank (pe	er Chapter 62-	·555.520(1)(c)	(1), F.A.C.).		
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			- IL-STER				
			Served	Rate Payers			
Estimated Revenue Impact per	Customer	ſ	1,519				
Estimated Revenue Impact per Number of Customers Impact			1,519				
Number of Customers impact		1					
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
O&M Impact on EBITDA B/(W)		1	-	-	-	-	
Depreciation Impact on EBIT B/(	(W)						
Under-recovery on capital B/(W)							
Net EBIT Impact B/(W)							
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Regulatory Plan Implications The project cost will be included	1 in the 2016 c	onsolidated ra	te case as a p	proforma proje	inct.		



Have three bids been received?	If not, why? List and provide amounts below Amount Selected
Bid Company 1 TBD 2	Amount Selected
Component:	Amount
Value Bid Elements Engineering Direct Purchase of Parts / Materials Landscaping / Site Restoration Other Components (specify):	25,000.00 should match selected bid(s) above
Cap Time Contingency	5,000.00
Total Project Budget	30,000.00 should match Total Budget on General Information
Object Account(s) to which project will I	be closed: 1165 Oth Plt&Misc Equip Wtp select from dropdown list select from dropdown list select from dropdown list select from dropdown list select from dropdown list <u>Go to Reference List</u>
General Comments:	

Utilities, Inc.

Approvals



# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-2**

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida

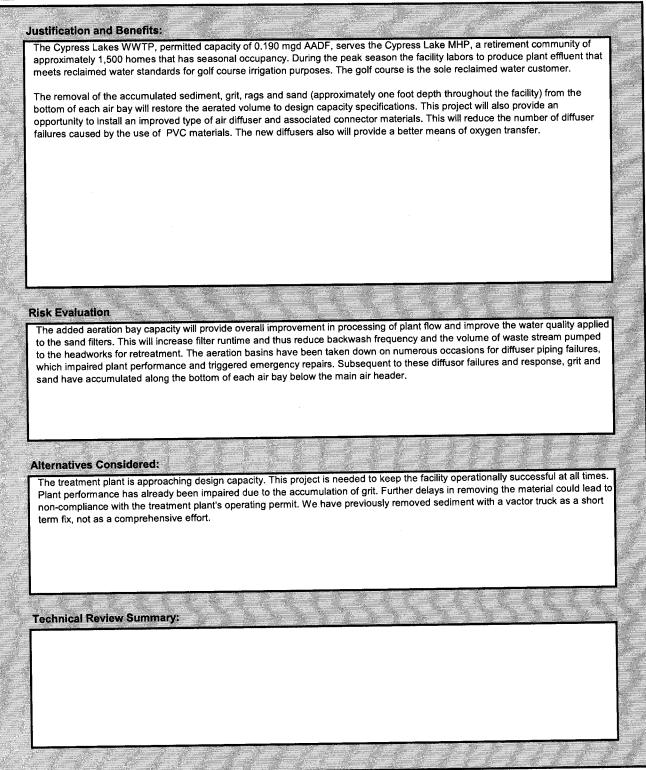


# ADD-CHANGE FORM

	Change?	New Project	Assigned F	roject #	
Requested by:	Mike Wilson Project Manager / Ar	rea Manager		Date:	6/27/2016
Project Name:		Sediment Removal			
Company:	UIF - Cypress	Cypress Lakes Util Inc			and the second se
Business Unit:	248101	Cypress Lakes Utilities Inc S	BU Type:		SP
Project Owner:	Patrick Flynn		Budget Owne	W / RVD.	John Hoy
Project Manager:	Mike Wilson				
Start Date:	7/5/2016	Q3 2016	Region:		Florida
Estimated End Date:	7/29/2016	Q3 2016	State:		FL
Project Type:	Mainte	nance			
		Yes			
Will project replace/ret	考试 经行工会 的人				
Previously Requested: This Request:	\$50,200			1	
Still to be Requested:					
Total Project Budget:	\$50,200				
escription: his project's components incl . Remove and dispose of acc	umulated grit and san	nd in the Cypress Lakes WWTP's three f	reatment trains.	anter Anter	nt connect Products
his project's components incl Remove and dispose of acc Remove and replace fine bu Replace all PVC connecting Remove and replace course	cumulated grit and san ubble diffusers in Trair g pipe with stainless st e bubble diffusers in T	nd in the Cypress Lakes WWTP's three ins 1 & 2 that have failed. teel connecting pipe to improve the relial rain #3. It is unknown how much work a les and diffusers are inspected.	bility of the fine bu	ubble diffus required 1	ers. to address train
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his project's components incl Remove and dispose of acc Remove and replace fine bu Replace all PVC connecting Remove and replace course 3 until the tank levels are low	cumulated grit and sam ubble diffusers in Train pipe with stainless st a bubble diffusers in T rered and the riser pip	ns 1 & 2 that have failed. teel connecting pipe to improve the relial "rain #3. It is unknown how much work a ses and diffusers are inspected.	bility of the fine bu	ibble diffus	sers. to address train



### JUSTIFICATION / ALTERNATIVES





Financial and Regulatory Implications

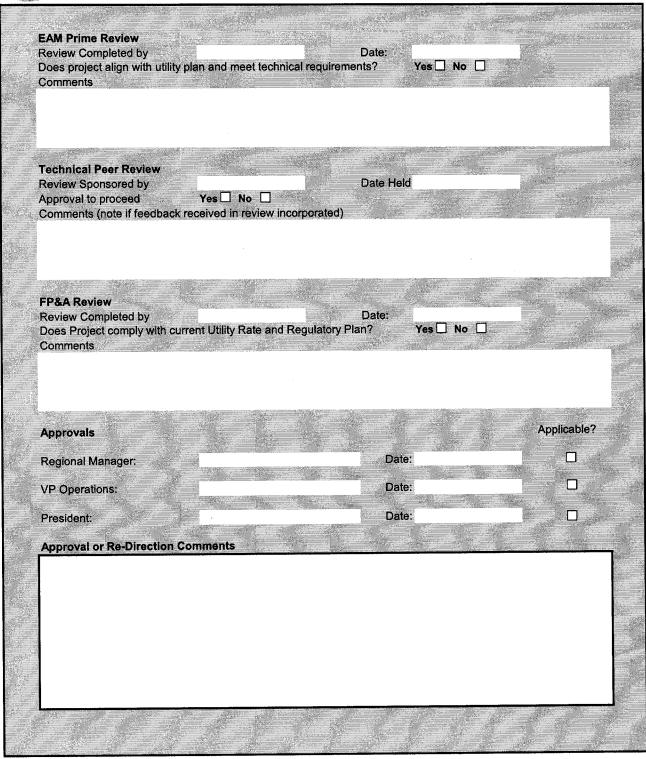
Proposed Project Spend	fr 1 Yr 2 50,200	Yr 3	Yr 4	Yr 5		
Project Spend in Current Plan	(50,200) -					(if applicable)
CIAC Collected	50,200 50,20	0 50,200	50,200	50,200		fa abbuorano)
D&M Cost Impact B/(W)						
Financial Justification						
Estimated Revenue Impact per Cu		Served	Rate Payers			
Number of Customers Impacted:		1,500	1,500			
Utility Financial Impact O&M Impact on EBITDA B/(W)	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5 -	
Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W)						
Net EBIT Impact B/(W)		N 1991 🐨 🚞				
Timing and Supporting Information	on on Rate Recovery		an a the state			
Regulatory Plan Implications						
Regulatory Flam implications		<u></u>				
Assumptions					441	



Bid	Company			Amount	Selected
	olston Applied Technologi	es		\$42,310	Yes
2					. <u></u>
			医肺毒素 化白油		
Component:	A	mount			
Value Bid Elements		42,310.00	should match selec	ted bid(s) above	
Engineering		4 000 00			
Direct Purchase of Parts / Materia Landscaping / Site Restoration	IIS .	4,000.00			and the subscription of the subscription of the
Other Components (specify):					
Cap Time		1,500.00			
Contingency, 5%		2,390.00			
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			20 July 19 1		
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Total Project Budget		50,200.00	should match Tota	Budget on General Ir	llormation
Object Account(s) to which	project will be closed:		1400	Treat/Disp Eq select from dru select from dru select from dru select from dru <u>Go to Ref</u>	opdown list opdown list opdown list
General Comments:					
This project is needed to maintain reduction in blower run times to de reduction of turbidity.	plant treatment capabilities velop operational DO requ	s during peak irements and	seasonal flows. I	ne project will fedu	ecause of a

Utilities, Inc. A

Approvals





# **Polston Quote**

June 21, 2016

Lee Neal Area Manager UIF Cypress Lake WWTP 10000 US Highway 98 N Lakeland, FL 33809

RE: Cypress Lakes WWTP Cleaning and Aeration Rehab Project Rev. 1

Mr. Neal,

On behalf of Polston Applied Technologies, thank you for the opportunity to provide an estimate to remove accumulated sand and grit from the Cypress Lakes WWTP. Polston has evaluated this project at an average depth of 1 ft of debris across the tanks which equates to an estimated 60 cubic yards of accumulated sand and grit built up that need to be cleaned. If there is a significant amount more material in the ditch (10% or greater than estimate) this will have an effect on the labor and equipment cost for removal of the material.

Please find attached an estimate and preliminary schedule to provide a complete operation of removing, hauling, and dumping at a permitted disposal site.

#### Based on our understanding, the scope of the project includes:

- Mobilization to facility
- 3 Man Service Crew
- One Polston Combination<sup>3</sup> Truck
- One Polston Roll Off Truck
- Polston will remove accumulated material from Cypress Aeration Basin #1 and Aeration #2 while out of service
- Polston will remove and replace <sup>3</sup>/<sub>4</sub>" PVC Pipe Connections on Aeration Diffusers and Install new Membranes on each of the diffusers in Aeration Basins #1 and #2, material to be supplied by Utilities, Inc.
- Polston will remove accumulated material from Cypress Aeration Basin #3 and the Surge Tank / Headworks while these tanks are in partial operation
- Polston will assist with the removal of the coarse air diffusers in Aeration Basin #3 to remove material that has accumulated in the basin and on the diffusers.
- Polston will haul all loads to a permitted disposal site
- Polston will dispose of the material at a permitted disposal site
- Clean up project site at completion of project.
- Demobilization from facility

www.polstonprocess.com

# **PRICING SCHEDULE**

Tank Description: Cypress Lakes Project	
Proposal line ban in the second se	
All labor, material, and equipment for cleaning of structures and rehabbing diffusers	\$35,600.00
Mobilization and Demobilization of equipment and crew	\$1,625.00
Transportation of material to Class 1 Landfill - \$250.00 per load	est. \$1,000.00
Material Testing (8 Metal TCLP) ***if required***	\$800.00
Sand and Grit Disposal Cost - est. 73 tons - \$45.00 per ton	est. \$3,285.00
TOTAL	\$42,310.00

Prior to mobilization all testing requirements will be met including the waste profile approved and accepted by the generator for disposal. This estimate assumes the material (TCLP test) will be accepted at an approved disposal facility.

Disposal and hauling is estimated based on 73 tons of hauling and disposal to an approved disposal facility. Polston bills hauling and disposal at the unit cost quoted for project.

Our estimate assumes the System will supply:

- Proper access for the equipment in and around the facility
- Replacement diffuser parts and crimping tool for replacing ¾" PVC Pipe Connection and new Membrane
- Sufficient suitable water supply for the high pressure jetting operation (reclaimed is sufficient)
- Proper access for the pump/vacuum heads of the Polston process

Again, thank you for the opportunity to submit a proposal for this project.

Should you have any questions, or need clarification on this proposal, please do not hesitate to contact me directly at (407) 803-3911. Thank you in advanced for your consideration.

Sincerely,

Richard Smith

Richard Smith Polston Applied Technologies

7/1/16

Lee Nerl Area Mgr.

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# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-3

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida



Water and Wastewater Consultants

March 15, 2016

Mike Wilson Utilities Inc. of Florida Regional Manager 200 Weathersfield Avenue Altamonte Springs, Florida 32714

### Subject: Eagle Ridge Wastewater Treatment Facility, Ft. Myers, Florida WWTF Feasibility Study to Evaluate Replacement of Surge Tanks.

#### Hello Mike:

It's my understanding that you would like for us to evaluate the feasibility of replacing the two existing tube steel surge tanks with one glass fused tank (like Aquastore tank). Additionally we are to incorporate a Vulcan screen with a screw to transfer the solids to a dumpster.

There is a limited amount of room to work with and the most likely area to construct the new surge tank appears to be a wetland. also the existing surge tanks need to remain in service while the new tank and screen are constructed.

Since there are a number of unknowns regarding the work we thought it may be best to develop a feasibility so that we can evaluate the alternatives, the site constraints and decide on the best alternative. Subsequently, we can develop a design around the chosen alternative.

In order to accomplish this we'll perform the following services:

- 1. Environmental assessment (EA) with wetland determination and potential impacts.
- 2. Perform engineering calculations to determine the surge tank volume needed.
- 3. Research the available tank sizes and roof construction materials for the most optimum alternative to include the screen and screw and odor control.
- 4. Meet with you in the field to review the gathered information and discuss alternatives.
- 5. Provide an engineering opinion of costs for the recommended alternative.
- 6. Prepare a feasibility study report discussing the findings, conclusions and recommendations.

#### **Professional Fees**

We will complete scope of work in tasks 1. - 6. above for a lump sum fee of \$8,900.00 plus other direct costs.

#### **Other Direct Costs**

Other direct costs include items such as printing, drawings, travel, deliveries, and etcetera. This does not include any of the application fees for the various agencies, which are the Owner's responsibility and have not been accounted for in this proposal. Other Direct Costs will be charged in accordance with the enclosed Schedule of Charges (Exhibit 1).

Mike Wilson Eagle Ridge Surge Tank Replacement March 15, 2016 Page 2

#### **Additional Services**

Any Additional Services requested that are not a part of this proposal will be invoiced either on a time and materials basis, in accordance with the enclosed Schedule of Charges (Exhibit 1), or on a mutually agreed upon fee.

#### **Services Not Provided**

The following services are not provided in this proposal:

- a. Design, engineering and permitting of any improvements.
- b. Geotechnical Investigations and Engineering.
- c. Construction of any tanks, equipment, or appurtenances.
- d. Coordination with governmental agencies.

This proposal, together with the General Terms and Conditions, which have been received and reviewed, represents the entire understanding between Utilities Inc. of Florida and Excel Engineering Consultants, LLC, with regard to the referenced project. We will start work immediately upon receipt of an approved agreement, a \$1,900.00 retainer. This proposal with the General Terms and Conditions is the total understanding between you and us and may only be modified in writing.

We appreciate the opportunity of working with you on this project and thank you for considering Excel Engineering Consultants, LLC an integral part of your team. We look forward to helping you create a quality project.

Sincerely, Excel Engineering Consultants, LLC

Julian R. Coto, P.E. President

JRC/mr

Approved and accepted this 15

Eagle Ridge WWTF Surge Tank Replacement

Utilities Inc. of Florida Mike Wilson, Regional Manager\_\_\_\_ PATRICK C FLUNN, V.

Enclosures: Exhibit 1 – Schedule of Fees & Other Direct Costs General Terms & Conditions

PRP09052-Magnolia Village Water & Sewer Feasibility Study.doc



Water and Wastewater Consultants

122 Wilshire Boulevard, Casselberry, Fl 32707 Telephone: (407) 260-2292 www.Excelengineers.com



The following schedule of fees and other direct cost are an integral part of the Agreement being signed and should be thoroughly understood by both parties.

# Exhibit No. 1 Schedule of Fees & Other Direct Costs

### Schedule of Fees

Expert Witness	\$200.00
Principal Engineer	\$175.00
Project Manager	\$125.00
Project Engineer	\$95.00
Engineering Technician	\$65.00
Project Coordinator/Clerical	\$55.00

### Schedule of Other Direct Costs

Plotting (24x36) Printing (81/2 x 11 & 11 x 17) Mailing (USPS) Overnight (UPS) Courier (local deliveries) Mileage \$1.50 per sheet \$.15 per sheet Cost + 20% Cost + 20% Cost + 20% \$.60 per mile

Initial: \_\_\_\_\_ Date: \_\_\_\_\_ Initial: \_\_\_\_\_ Date: \_\_\_\_\_



### **GENERAL TERMS AND CONDITIONS**

The following terms and conditions are an integral part of the Agreement being signed and should be thoroughly understood by both parties. The purchaser of services to be rendered in hereinafter called "client" and the supplier of the services Excel Engineering Consultants, LLC is hereafter called "Consultant".

#### 1. ABSENCE OF WARRANTY

All services of Consultant and subconsultants will be performed in a reasonable and prudent manner in accordance with generally accepted engineering practice. All estimates, recommendations, opinions and decisions of Consultant will be on the basis of the information available to Consultants and the engineer's experience, technical qualifications, and professional judgment. There are no warranties of merchantability or fitness for a particular purpose or any other warranties or guarantees whatsoever, expressed or implied, with respect to any service performed under this Agreement.

#### 2. FEE PROPOSAL

Fee proposals are developed for a specific scope of services as defined in the scope of services of said proposal. A fee proposal will be valid for a period of 30 days from the proposal date. If not executed by the Client within that 30-day period it will become null and void unless Consultant agrees otherwise. Contract rates and charges are reviewed and modified every six (6) months. Therefore, scope of services that extend beyond a six (6) month period shall be subject to increases based on current rates or charges.

#### 3. INVOICES

Invoices will be prepared and mailed penodically (usually on a monthly basis) by Consultant to Client for professional services rendered, and are due and payable upon receipt by the Client. Client shall make prompt payments in response to these invoices. If Client fails to make any payments due for services and expenses rendered within thirty (30) days from the date of the invoice, (pay period), Consultant may, after serving seven (7) days written notice to Client, suspend services under this Agreement until paid in full all amounts due for services and expenses rendered. An interest rate charge of 1% per month, or portion thereof, shall be charged to the balance of all unpaid invoices after the pay period. Consultant shall not be liable for any actual or consequential damages for its fäilure to provide professional services nor any other damages that are caused by circumstances beyond its control or by the termination of services due to Client's failure to pay in a timely manner. In addition to all other amounts that may be due herein, Consultant shall be entitled to all costs of collection due, including reasonable attorney's fees and court cost.

#### 4. CHANGES OR DELAYS

Unless the accompanying Proposal provides otherwise, the proposed fees constitute Consultant estimate to perform the services required to complete the Project, as we understand it to be defined. For those projects involving conceptual or process development work, activities often are not fully definable in the initial planning stage, and may require modifications to the original scope of services as dictated by facts developed during the initial stages. Consultant will inform the Client of such situations so that negotiation of change in scope, time of performance, and fee can be accomplished as required. Costs and schedule commitments shall be subject to renegotiation for unreasonable delays caused by the Client's failure to provide specified facilities or information or force majeure, acts of God, etc.

#### OPINIONS OF COST (Cost Estimates)

Since Consultant has no control over the costs of labor, materials, equipment or services furnished by others, or over the Contractor's method of determining prices, or over competitive bidding or market conditions, our opinions of probable Project Cost and Construction Cost provided for herein are to be made on the basis of our experience and qualifications and represent our best judgment as experienced and qualified professional engineers, familiar with the construction industry; but Consultant cannot and does not guarantee that proposals, bids, actual Project or Construction Costs will not vary from estimates and/or opinions of probable cost prepared by Consultant. If prior to the Bidding or Negotiating Phase, Client wishes greater assurance as to Project or Construction Costs, Client shall employ an independent cost estimator. Engineering services to modify the Contract Documents to bring the Construction Cost within any limitation established by Client will be considered Additional Services and paid for as such by Client.

#### 6. CONSTRUCTION ADMINISTRATION LIMITS

Consultant may provide construction Administration Services to Client. It is understood that this service includes the periodic observations of the contractor's work by Consultant's engineers. Site observations are performed to determine if the construction is generally proceeding in conformance to the contract document. The Engineer does not and shall not act as a construction manager to direct and supervise the work being performed, which is the responsibility of the Client/Owner or its appointed representative, and Consultant shall not be held liable for specific construction errors that are the responsibility of the Client/Owner or its appointed construction managers.

#### 7. PAYMENT

Where the method of contract payment is based on a cost reimbursement basis (i.e. hourly rates, time and material, direct personnel expenses, or per diem) or on a lump sum basis, the following provisions shall apply.

a. Expenses properly chargeable for the services that are reimbursable at cost shall include: professional and technical subconsultants, travel, identifiable communication, shipping, printing and reproduction costs, computer time and specifically purchased supplies. A thirty percent (30%) handling and administrative charge will be added to professional and technical subconsultants. A twenty percent (20%) handling and administrative charge will be added all other items, which are purchased from outside sources.

b. Invoices for effort on a cost reimbursement basis will be submitted showing labor hours worked and total expenses, but not actual documentation. If requested by Client, documentation will be provided at the cost of providing such documentation, including labor and copying cost.

#### 8. RETAINERS

Retainers offer consultant a security deposit for services rendered and is not to be construed as a partial payment of the agreed upon fees and charges. Consultant will hold the retainer until the scope of services is completed and may be applied to the final invoice at consultant's discretion. The retainer or portion there of will be returned to client at the completion of the work. In the case of unpaid delinquent invoices extending beyond 30 days from the due date, the retainer will be used to cover the unpaid balances, demand letters and notices. In the case of delinquent invoices Client will forfeit unused portions of the retainer as liquidated damages. Work will not be initiated until retainer amount is replenished. Retainers are nonrefundable, if a project is cancelled or stopped by a client for any reason.

#### 9. SUCCESSORS

Client and Consultant each binds himself and his partners, successors, executors, administrators, assigns and legal representatives to the other party to this Agreement and to the partners, successors, executors, administrators, assigns and legal representative of such other party, in respect to all covenants, agreements and obligations of this Agreement.

#### 10. ASSIGNABILITY

Client may not assign agreement to another party without prior written consent of Consultant. Consultant at its discretion may stop work and demand payment for services rendered to date from Client if Client has assigned agreement to others without consent. Consultant will have no obligation to the party that Client assigned agreement and Consultant may stop work on the project without further notice and apply retainer to unpaid balances. Client will forfeit remainder of retainer as liquidated damages.

Initial: Initial:

Date: 3/15/16 Date:

Revised 9/9/2013

#### 11. LIMITATION ON CONSULTANTS

Nothing contained in this Agreement shall prevent Consultant from employing such independent consultants, associates and subcontractors as Consultant may deem appropriate to assist in the performance of services herein.

#### 12. RIGHTS OF OTHERS

Nothing herein shall be constructed to give any rights or benefits hereunder to anyone other than Client and Consultant.

#### 13. TERMINATION

The obligation to provide further services under this Agreement may be terminated by either party upon thirty (30) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. However, Consultant may, after giving seven (7) days written notice to Client, suspend services under this Agreement for non payment of invoices (as covered elsewhere in this Addendum) or for failure by Client to give prompt written authorization to proceed with any phase of services after completion of the immediately preceding phase.

#### 14. DRAWINGS AND SPECIFICATIONS

All documents including Reports, Drawings and Specifications prepared by Consultant pursuant to this Agreement are instruments of service in respect to the Project (collectively referred to as the "Work") and Consultant's intellectual property and are wholly owned by Consultant. Use or reuse of the Work for any purpose, without the written consent by Consultant, is prohibited. Client shall compensate Consultant for any unauthorized use or reuse of the work and shall indemnify and hold harmless Consultant from all claims, damages, losses and expenses including reasonable attorney's fees arising out of or resulting from the unauthorized use or reuse of the Work.

#### 15. CONFIDENTIALITY

Consultant shall maintain as confidential and not disclose to others, without Client's prior written consent, all information obtained from Client, not otherwise previously known or in the public domain, as Client expressly designates in writing to be "Confidential." This provision shall not apply to published information, information obtained from a third party, or information required to be disclosed by law. Client agrees that Consultant may use and publish Client's name, description of services performed with respect to the Project and photographs of the projects in describing the Consultant's experience and qualifications to other clients or potential clients.

#### 16. CONTROLLING AGREEMENT

To the extent they are inconsistent or contradictory, express terms of the accompanying Proposal take precedence over these General Terms and Conditions. Consultant acknowledgment or receipt of any purchase order, notice or authorization, or Consultant performance of work subsequent to receipt thereof does not constitute acceptance of any terms or conditions other than those set forth herein, except as specifically accepted in writing by Consultant.

#### 17. DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS

Client warrants that a reasonable effort has been made to inform Consultant of known or suspected hazardous materials on or near the project site. Under this agreement, the term hazardous material includes hazardous materials (40 CFR 172.01), hazardous wastes (40 CFR 261.2), hazardous substances (40 CFR 300.6), petroleum products, polychlorinated biphenyls, and asbestos. Hazardous materials may exist at a site where there is no reason to believe they could or should be present. Consultant and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. Consultant and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for Consultant to take immediate measures to protect health and safety. Client agrees to compensate Consultant for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials. Consultant agrees to notify Client when unanticipated hazardous materials or suspected hazardous materials are encountered. Client agrees to make any disclosure required by law to the appropriate governing agencies. Client also agrees to hold Consultant harmless for any and all consequences of disclosures made by Consultant, which are required by governing law. In the event Client does not own the project site, Client recognizes that it is the Client's responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials. Notwithstanding any other provision of the Agreement, Client waives any claim against Consultant, and to the maximum extent permitted by law, agrees to defend, indemnify, and save Consultant harmless form any claim, liability, and/or defense cost for injury or loss arising from Consultant's discovery of unanticipated hazardous materials or suspected hazardous materials including any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for ultimate disposal of any samples secured by the Consultant, which are found to be contaminated.

#### 18. INSURANCE

Consultant agrees to carry; at its' own expense, General and Professional Liability Insurance and will, furnish insurance certificates to Clients. If Client prefers to have additional insurance coverage, Consultant agrees to purchase it (presuming availability from carriers acceptable to Consultant) provided the premiums for additional insurance coverage are reimbursed by Client.

#### 19. RISK ALLOCATION

Client agrees that Consultant's liability for any damage on account of any error, omission or other professional negligence will be limited to a sum not to exceed Consultant's fee. Provided said such sum shall not include any items considered unjust enrichment to the Client, any improvement costs or betterment costs and shall not exceed the actual costs resulting from such negligent act.

#### 20. DISPUTE RESOLUTION

All claims, disputes, and other matters in controversy between Consultant and Client arising out of or in any way related to this Agreement will be submitted to "alternative dispute resolution" (ADR) including mediation and arbitration, before and as a condition precedent to other remedies provided by law. If a dispute at law arises related to the services provided under this Agreement and that dispute requires litigation subsequent to ADR as provided above, then:

Both parties hereby agree that the venue of this Agreement, without prior notice, will lie in Seminole County, Florida.

#### 21. PARTIES TO AGREEMENT

The parties to this agreement agree that this agreement is solely between Excel Engineering Consultants, LLC (Consultant) and the purchaser of services to be rendered (Client). Nothing in this agreement shall be construed as Client having any kind of direct contractual relationship with any of the Consultant's employees, principals, officers or directors. The agreement is solely between Consultant and Client.

#### 22. Responsibility

PURSUANT TO FLORIDA STATUTES §558.0035, ANY INDIVIDUAL EMPLOYEE OR AGENT OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Initial Initial:



122 Wilshire Boulevard Casselberty, Fl 32707 Telephone: (407) 260-2292 www.Excelengineers.com

Water and Wastewater Consultants

July 14, 2016

Patrick Flynn, V. P. of Operations Utilities Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, Florida 32714 C/O Mike Wilson

Via email: mawilson@uiwater.com

## Subject: Eagle Ridge Wastewater Treatment Facility, Ft. Myers, Florida WWTF Feasibility Study Change Order No. 1.

#### Hello Mike:

The work that's been performed on the feasibility study shows that the depressional area where the tank is proposed to be located is a wetland. As such the depressional area has organic hydric soils which are structurally unsuitable for construction. In order to determine the vertical extent of the hydric soils and to determine the structural capacity of the soils a geotechnical evaluation is recommended. This will enable a more accurate determination as to the extent of unsuitable soils in the project area as well as the technical information for designing of the foundations of the various structures. In addition, changes to the scope of work including fitting an office trailer and a chlorine and sampling equipment shed into the already limited area is being requested. This also resulted in an additional field meeting to scope out the extent of the proposed modifications.

In order to arrive at an accurate opinion of costs and accommodate the additional requirements the work being proposed is needed.

In order to accomplish this we'll perform the following services:

- 1. Geotechnical investigation which will include a 50 foot deep SPT boring under the proposed equalization tank, muck probes in the depressional and surrounding areas in order to estimate the depth of the organic soils. water table determination, classification of soils and engineering analysis of the findings along with a geotechnical report.
- 2. Modify the proposed site plan to accommodate the requested improvements which in addition to the equalization tank will include a 45' x 12' office trailer and a 12' x 12' equipment shed, realignment the driveway to accommodate the additional improvements and add parking for the office trailer.
- 3. Update the Feasibility Study Report to address the changes.
- 4. One additional field meeting and office meeting.

#### **Professional Fees**

<u>A.</u>	Additional Services in tasks 1-4 above \$ 7,447.00	
B.	Changes to Agreement	
C.	Original Agreement\$ 8,900.00	
D.	Change Order No. 1	
E.	New Amount\$16,347.00	)

Patrick Flynn Eagle Ridge Surge Tank Replacement- C.O. #1 July 13, 2016 Page 2

This Change Order No. 1, together with the General Terms and Conditions of the original Feasibility Study agreement represents the entire understanding between Utilities Inc. of Florida and Excel Engineering Consultants, LLC, with regard to the referenced project. We will start work immediately upon receipt of the approved agreement.

We appreciate the opportunity of working with you on this project and thank you for considering Excel Engineering Consultants, LLC an integral part of your team. We look forward to helping you create a quality project.

Sincerely, Excel Engineering Consultants, LLC

Julian R. Coto, P.E. President

JRC/mr

Approved and accepted this /// day

of JULY , 2016.

Eagle Ridge WWTF Surge Tank Replacement Change Order No.1

Signature

Utilities Inc. of Florida Patrick Flynn, Vice President of Operations

PRP16020 - CO#1 Eagle Ridge Feasibility Study.docx



Water and Wastewater Consultants

122 Wilshire Boulevard, Casselberry, Fl 32707 Telephone: (407) 260-2292 www.Excelengineers.com



122 Wilshire Blvd Casselberry, FL 32707

# Bill To

Utilities Inc. of Eagle Ridge c/o Mike Wilson 200 Wathersfield Avenue Altamonte Springs, FL 32714

			ſ	P.C	). No.		Terms		F	Project
				UTIC	2-0116		15 DAYS		Eagle R	lidge - UTI02
Description	Est Amt	Prior Amt	P	rior %	Q	ty	Curr %	Тс	otal %	Amount
UTILITIES, INC OF FLORIDA EAGLE RIDGE, HEADWORKS / SURGE TANK WWTF FEASIBILITY STUDY UTI02-0116										
Consulting Engineering Services	8,900.00					0.5	50.00%	5	0.00%	4,450.00
				******						
Thank you and God Bless - Please Mak LLC	e Check Payable	e to Excel Engin	eerin	g Consult	ants,	Тс	otal			\$4,450.00
L						Pa	yments/Cr	edit	s	\$0.00
						Ва	lance Due			\$4,450.00

# Invoice

Date	Invoice #
5/25/2016	9829



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

# Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731/State Certified Electrical Contractor EC13004251

**INVOICE #79169** June 16, 2016

Attn: Accounts Payable UTILITIES, INC 2335 Sanders Road Northbrook, IL 60062

RE: Eagle Ridge WWTP – Driveway Improvements PO# BU#

Ordered by: Michael Wilson 200 Weathersfield Avenue Altamonte Springs, FL 32714

6/15/16: Draw for work completed to date on North, South and Middle driveways per Contract #1461 signed 6/1/16 and Change Order #1 signed.

Shot existing elevations to maximize positive drainage Excavated, graded and compacted areas. Supplied and installed new crushed concrete road base as needed. Compacted areas. Located and cleaned two catch basins and culvert pipes across driveway entrance.

Regraded swale areas and sodded with St Augustine Sod.

 ORIGINAL CONTRACT AMOUNT:
 \$14,873.00

 CHANGE ORDER #1 6-14-16:
 \$ 5,389.70

 NEW CONTRACT SUM:
 \$20,262.70

 LESS CURRENT DRAW REQUEST:
 -\$10,131.35

 REMAINING BALANCE:
 \$10,131.35

# TOTAL AMOUNT DUE THIS INVOICE: \$10,131.35 ERMS: Due Upon Receipt



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

# Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731/State Certified Electrical Contractor EC13004251

# **INVOICE #79176**

June 27, 2016

Attn: Accounts Payable UTILITIES, INC 2335 Sanders Road Northbrook, IL 60062

RE: Eagle Ridge WWTP - Driveway Improvements PO# 217242 BU# 249100

Ordered by: Michael Wilson 200 Weathersfield Avenue Altamonte Springs, FL 32714

6/27/16: Draw for completion of work on North, South and Middle driveways per Contract #1461 signed 6/1/16 and Change Order #1. Installed 2" thick SIII Asphalt Overlay on each driveway. Rolled and compacted.

ORIGINAL CONTRACT AMOUNT:	\$14,873.00
CHANGE ORDER #1 6-14-16:	<u>\$ 5,389.70</u>
NEW CONTRACT SUM:	\$20,262.70
LESS PREVIOUS PAYMENT:	<u>-\$10,131.35</u>
AMOUNT NOW DUE:	\$10,131.35

# TOTAL AMOUNT DUE THIS INVOICE: \$10,131.35 ERMS: Due Upon Receipt



Machine & Fabrication Shop / (239) 332-1131 Ext 270 / (800) 282-8378 / (239) 332-4252 Fax machineshop@bobdeansupply.com



Date: 3-16-16

Customer: Utilities Inc.

Contact Name: Mike Wilson

Project Name: Splitter Box for Eagle Ridge

Fax #/ Email Address: 407-869-6961

## We are pleased to quote the following:

1 - 304 stainless steel splitter box made from 3/16 material. The 8" pipe to be sch 10, the 6" sch 40. The box to be constructed per Mr. Dean's drawings.

Total, \$10,450.00

Delivery would be approximately 4 - 5 weeks.

This is an altered material proposal. Please verify the information above. Before any work can be started, we must have a signed copy of this form accompanied by your purchase order number. Altered material orders are non-returnable.

# NO WORK WILL BE STARTED WITHOUT YOUR SIGNED AUTHORIZATION.

THIS QUOTE IS VALID FOR 14 DAYS.

Bob Crowder Shop Manager



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

# Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731/State Certified Electrical Contractor EC13004251

**INVOICE #79168** June 16, 2016

Attn: Accounts Payable UTILITIES, INC 2335 Sanders Road Northbrook, IL 60062

RE: Eagle Ridge WWTP - Flow Splitter Box Installation PO# BU#

Ordered by: Michael Wilson 200 Weathersfield Avenue Altamonte Springs, FL 32714

6/15/16: Completion of work per Contract #1460 signed 6/1/16 and Change Order #1 signed .
Removed existing flow splitter box and disposed of off-site
Picked up new flow splitter box from fabrication shop
Installed new SS flow splitter box with all necessary couplings and connected to existing piping
Installed 6" Sch80 PVC influent force main from ground into box
Installed new 2" force main from simplex lift station at office trailer to new flow splitter box

# TOTAL AMOUNT DUE THIS INVOICE: \$7,000.00 ERMS: Due Upon Receipt

The Davey Tree Expert Company
5515 Yahl St., Suite A
Naples, FL 34109
Phone: (239) 597-8386 Fax: (239) 403-9662
Email: dan.powell@davey.com

8/4/2016



Attn: 200 V	ties, INC Michael Wilson Regional Manager Weathersfield Ave nonte Spg, FL 32714-4027	Utilities, INC C/O Michael 14668 Aeries Way Dr Fort Myers, FL 33912-1703	Account # 3 Mobile: (4	#: 20029630-00000788 #: 5389991 407) 468-3268 awilson@uiwater.com	
	<b>Free Pruning and Surgery</b>	Service Perio	od Price	<u>Tax</u>	<u>Total</u>
	Free Pruning		\$28,050.00	)	\$28,050.00
	Remove selective exotic planting water plant to golf course entrar roadway" Vertical cut overextended plants	ice."must keep privacy in m	nind/residents do not wa	nt to see water tanks	from
	Crown Reduction by 30% select crown to the taller trees as direct		decrease height, spread	I and/or end weight of	a tree's
	Tree Removal		\$10,800.00		\$10,800.00
	Remove to near ground level 23 the risk of damage to critical pla		azilian pepper inside the	plant area as directed	to reduce
	Remove the fallen debris from t	he ground and provide fend	ce clearance as directed	inside the plant.	
	Vertical cut plantings back from	the roadway to provide cle	arance " prune aggressi	vely"	
	*do not take trucks off roadway				
	Tree Pruning		\$7,650.00	)	\$7,650.00
	Continued Maintenance				
	Remove selective exotic plantin water plant to golf course entrai roadway" Vertical cut overextended plants Yes, please schedule the services man	nce."must keep privacy in n s growing over the fence to	nind/residents do not wa	nt to see water tanks	from
-	Deposit may be required upon acceptance:		Deposit payment options we	accept are check or credit car	d
	) Deposit Required / \$ Deposi	t Received	To pay by check mail to		credit card call
	n completion of work, please charge balance to		The Davey Tree Expert Company 5515 Yahl St., Suite A Naples, FL 34109	(239) 403-	
agree	<b>EPTANCE OF PROPOSAL:</b> The above price to the terms and conditions appended to this f proposal may be withdrawn if not accepted wi	orm. All deletions have been noted. I	d. You are authorized to do this v understand that once accepted, the	vork as specified. I am familia nis proposal constitutes a bind	r with and ing contract.
	Dan Powell		Michael A. W	ilson 29 A	ugust 2016
	Dan Powell ISA Certified A	arborist PD-0329A	Authorizing Sign	ature	Date

DAVE

Client

Service Location

# Attn 200 Alta

Proven Solutions for a Growing World

#### **Client Care Guarantee**

We use quality products that are administered by trained personnel. We guarantee to deliver what we have contracted to deliver. If we do not, we will work with you until you are satisfied, or you will not be charged for the disputed item. Our Client Care Guarantee demonstrates our commitment to creating lifelong client relationships.

#### **Tree Pruning and Surgery**

PRUNING: Performed by trained arborists using industry and Tree Care Industry Association (TCIA) approved methods.

TREE REMOVAL: Removal to within 6" of ground level and cleanup of debris. STUMP REMOVAL: Mechanical grinding of the visible tree stump to at or just below ground level. Stump area will be backfilled with stump chips and a mound of remaining

cbips will be left on site unless otherwise stated in the contract. Chip removal, grading and soil backfill are available. CLEAN-UP: Logs, brush, and leaves, and twigs large enough to rake are removed. Sawdust and other small debris will not be removed. CABLING/BRACING: Cabling and bracing of trees is intended to reduce damage potential. It does not permanently remedy structural weaknesses, is not a guarantee against failure and requires periodic inspection.

#### Tree and Shrub Fertilization/SoilCare

Your arborist will assess your property's overall soil conditions either through physical assessment or tbrough soil testing and will recommend a soil management program to help the soil become a better medium to enable healthy plants to thrive or unhealthy plants to regain their vitality. SoilCare programs will include fertilizers, organic humates, fish emulsions and other organic soil conditioners.

Our advanced formula, Arbor Green PRO, works with nature to fertilize without burning delicate roots, building stronger root systems and healthier foliage. It contains no chlorides or nitrates. It is hydraulically injected into the root zone and the nutrients are gradually released over time. Research and experience shows the dramatic benefits Arbor Green PRO provides: greater resistance to insects and diseases, greater tolerance to drought stress, increased vitality, and healthier foliage.

#### Tree and Shrub Fertilization

Our advanced formula, Arbor Green PRO, works with nature to fertilize without burning delicate roots, building stronger root systems and healthier foliage. It contains no chlorides or nitrates. It is injected into the root zone and the nutrients are gradually released over time. Research and experience shows the dramatic benefits Arbor Green PRO provides: greater resistance to insect and disease, greater tolerance to drought stress, increased vigor, and healthier foliage.

#### Tree and Shrub Plant Health Care

PRESCRIPTION PEST MANAGEMENT: Customized treatments to manage disease and insect problems specific to plant variety and area conditions. Due to the short term residual of available pesticides, repeat applications may be required.

INSECT MANAGEMENT: Inspection and treatment visits are scheduled at the proper time to achieve management of destructive pests. Pesticides are applied to label specifications.

DISEASE MANAGEMENT: Specific treatments designed to manage particular disease problems. Whether preventative or curative, the material used, the plant variety being treated, and the environmental conditions all dictate what treatment is needed.

EPA approved materials will be applied in accordance with State and Federal regulations.

#### Lawn Care

FERTILIZER AND MECHANICAL SERVICES: Balanced fertilizer treatments applied throughout the growing season help provide greener turf color and denser root development. To help bring about a better response to these applications, we also provide aerification, lime, overseeding, and lawn renovation.

WEED CONTROL AND PEST MANAGEMENT: Broadleaf weed control is spot-applied during the active growing periods of the year. It is not broadcast over the entire lawn. Granular weed management may be broadcast. We also offer pre-emergent crabgrass management in the spring and, if needed, a postemergent application later in the year. Our surface insect management is timed to reduce chinchbugs, sod webworms, and billbugs. We also offer a grub management application. Disease management materials and treatments are matched to particular disease problems. This usually requires repeat applications.

#### Other Terms and Contract Conditions

INSURANCE: Our employees are covered by Worker's Compensation. The company is insured for personal injury and property damage liability. Proof of insurance can be verified by requesting a copy of our Certificate of Insurance.

WORKING WITH LIVING THINGS: As trees and other plant life are living, changing organisms affected by factors beyond our control, no guarantee on tree, plant or general workning with Living Things: As trees and other plant he are hving, changing organisms affected by factors beyond our control, no guarance on free, plant or general landscape safety, health or condition is expressed or implied and is disclaimed in this contract unless that guarance is specifically stated in writing by the company. Arborists cannot detect or anticipate every condition or event that could possibly lead to the structural failure of a tree or guarantee that a tree will be healthy or safe under all circumstances. Trees can be managed but not controlled. When elevated risk conditions in trees are observed and identified by our representatives and a contract has been signed to proceed with the remedial work we have recommended, we will make a reasonable effort to proceed with the job promptly. However, we will not assume liability for any accident, damage or injury that may occur on the ground or to any other object or structure prior to us beginning the work. Site inspections do not include internal or structural considerations unless so noted. Unless otherwise specified, tree assessment will not include investigations to determine a tree's structural integrity or stability. We may recommend a Risk Assessment be conducted for an additional charge.

TREE CARE STANDARDS: All work is to be performed in accordance with current American National Standards Institute (ANSI) Standard Practices for Tree Care Operations. OWNERSHIP OF TREES/PROPERTY: Acceptance constitutes a representation and warranty that the trees and property referenced in this quote are either owned by the signee or that written permission has been received to work on trees which are not on the signee's property.

or that written permission has been received to work on trees which are not on the signee's property. TIME & MATERIAL (T&M): Jobs performed on a T&M basis will be billed for the time on the job (not including lunch break), travel to and from the job, and materials used. BILLING & SALES TAX: All amounts deposited with us will either be credited to your account or applied against any amounts currently due. Our invoices are due net 30 days from invoice date. Services may be delayed or cancelled due to outstanding account balances. Sales tax will be added as per local jurisdiction. Clients claiming any tax exempt status must unbind to account of their of their of their of their of their of the total count of the sole of their of the text. must submit a copy of their official exempt status form including their exemption number in order to waive the sales or capital improvement tax.

PAYMENT: We accept checks and credit cards. Credit card payments may be made online at our web site. Paying by check authorizes us to send the information from your check to your bank for payment.

UNDERGROUND PROPERTY: We are not responsible for any underground property unless we have been informed by you or the appropriate underground location agency. SCHEDULING: Job scheduling is dependent upon weather conditions and work loads.

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Application for increase in water and)wastewater rates in Charlotte, Highlands,)Lake, Lee, Marion, Orange, Pasco, Pinellas,)Polk, and Seminole Counties by Utilities, Inc.)of Florida.)

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Docket No. 160101-WS

# **EXHIBIT PCF-4**

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida

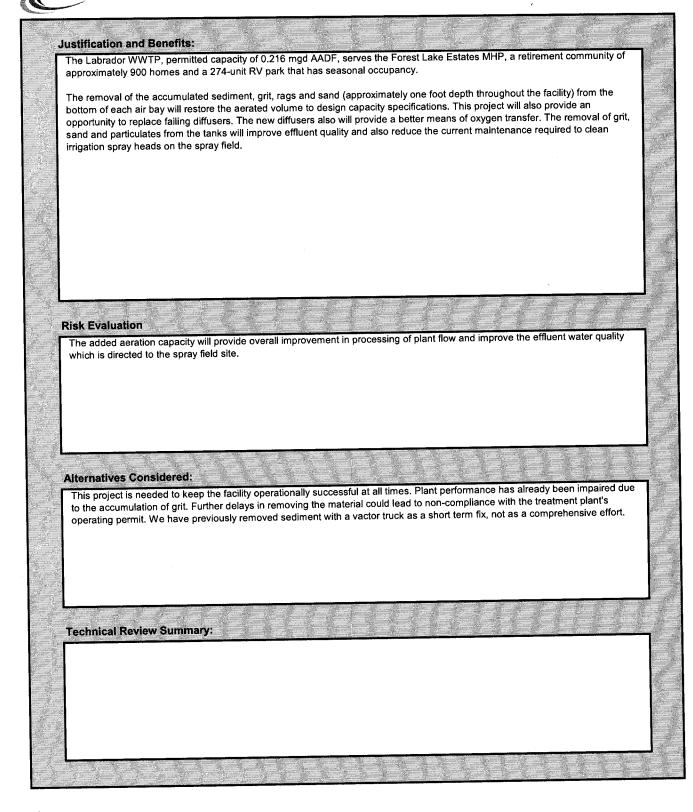


### ADD-CHANGE FORM

	Change?	New Project	Assigned P	In the second second second
Requested by:	Mike Wilson Project Manager / An	ea Manager		Date: 6/27/2016
Project Name:	Labrador Sedim	nent Removal		
Company:	UIF - Labrador	Labrador Utilities Inc		
Business Unit:	259101	Labrador Utilities Inc S		
Project Owner:	Patrick Flynn		BU Type:	SP
Project Manager:	Mike Wilson		Budget Owne	
Start Date:	7/5/2016	Q3 2016	Region:	Florida
Estimated End Date:	7/29/2016	Q3 2016	State:	La Carlo FL
Project Type:	Mainten	hance		
Will project replace/retir	e any assets:	Yes		
Previously Requested:				
This Request: Still to be Requested:	\$61,137			
In the second		A MARKET AND A DESCRIPTION OF A	CARLES AND A CONTRACTOR OF THE OWNER	
scription:	\$61,137			he tanke). The art soud
d sediment will be hauled to a Sample and analyze the mate Remove and replace course suired to address all three tre	ide: imulated grit and sand a nearby landfill autho erial for metals and ot bubble diffusers in Tr atment trains until the	d in the Labrador WWTP's three tr orized to accept such waste. ther parameters as required by the ains 1, 2 & 3 that have failed. It is to a tank levels are lowered and the ri tanks to avoid floating of the tanks	landfill before delivery unknown how much wo ser pipes and diffusers	ork and material will be
scription: is project's components inclu Remove and dispose of accu d sediment will be hauled to a Sample and analyze the mate Remove and replace course quired to address all three tre All nine tanks will be cleaned	ide: imulated grit and sand a nearby landfill author erial for metals and ot bubble diffusers in Tr atment trains until the with liquid still in the	prized to accept such waste. ther parameters as required by the ains 1, 2 & 3 that have failed. It is a tank levels are lowered and the ri	landfill before delivery unknown how much wo ser pipes and diffusers out of the ground.	ork and material will be
scription: is project's components inclu Remove and dispose of accu d sediment will be hauled to a Sample and analyze the mate Remove and replace course quired to address all three tre All nine tanks will be cleaned	ide: imulated grit and sand a nearby landfill author erial for metals and ot bubble diffusers in Tr atment trains until the with liquid still in the	prized to accept such waste. ther parameters as required by the ains 1, 2 & 3 that have failed. It is to tank levels are lowered and the ri- tanks to avoid floating of the tanks	landfill before delivery unknown how much wo ser pipes and diffusers out of the ground.	ork and material will be

#### **JUSTIFICATION / ALTERNATIVES**

Utilities, Inc.





Financial and Regulatory Implications

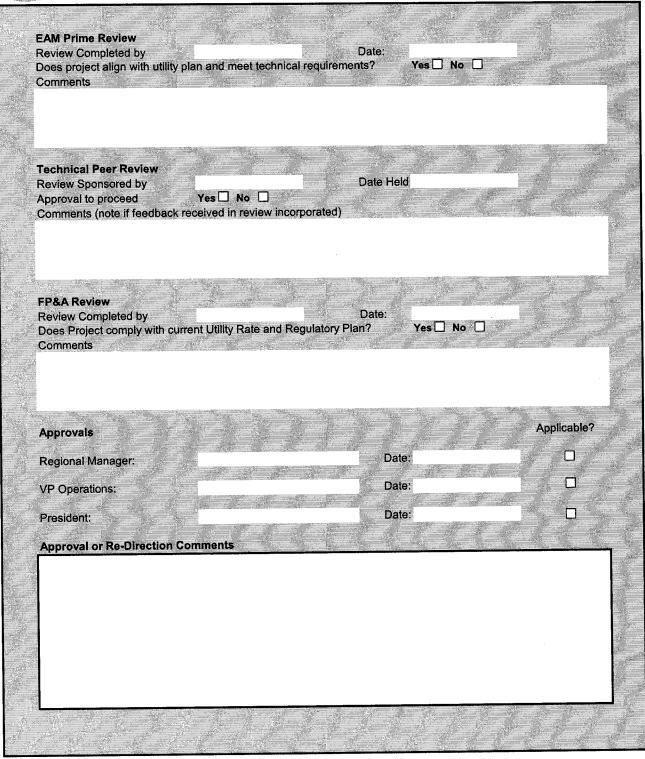
Capital Plan Proposed Project Spend	Yr 1 61,137	Yr 2	Yr 3	Yr 4	Yr 5		
Project Spend in Current Plan Variance	(61,137)						
CIAC Collected	61,137	61,137	61,137	61,137	61,137		(if applicable)
O&M Cost Impact B/(W)							
Financial Justification							
						•	
		L. 24	Served	Rate Payers			
Estimated Revenue Impact pe				1,175			
Number of Customers Impac	ted:		1,175				
Utility Financial Impact O&M Impact on EBITDA B/(W)		Yr 1	Yr 2 -	- Yr 3 	Yr 4 -	Yr 5	
Depreciation Impact on EBIT B/ Under-recovery on capital B/(W	(W)						
Net EBIT Impact B/(W)							
Timing and Supporting Inform	ation on Rate	Recovery					
Regulatory Plan Implications							anne danse hande Anne hande
Assumptions							4



Bid	Company Polston Applied Technologies		Amount \$55,225	Selected Yes
2 2 3			<u><u> </u></u>	
Component:	Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Materi Landscaping / Site Restoration		0 should match sele	cted bid(s) above	
Other Components (specify): Cap Time	1,500.0			
Contingency, 5%	2,912.0			
Total Project Budget	61,137.0	0 should match Tou	if Budget on General Info	rmation
Object Account(s) to which	project will be closed:	1400	Treat/Disp Equi select from drop select from drop select from drop select from drop <u>Go to Refer</u>	down list down list down list down list
General Comments: This project is needed to maintain	treatment plant performance during p	eak seasonal flows	in an	
Only one vendor was solicited for	the work. Polston Applied Technologi Illy empty each tank. This eliminates	es offers a specializ	ed, efficient system of	grit, sand and ing from

Utilities, Inc. A

Approvals





# **Polston Quote**

June 21, 2016

Lee Neal Area Manager UIF Forest Lake Estates WWTP 41311 Paquette Way Zephyrhills, FL 33540

RE: Forest Lakes WWTP Cleaning Project Rev. 1

Mr. Neal,

On behalf of Polston Applied Technologies, thank you for the opportunity to provide an estimate to remove accumulated sand and grit from the Forest Lakes WWTP. Polston has evaluated this project at an average depth of 1 ft of debris across the tanks which equates to an estimated 93 cubic yards of accumulated sand and grit built up that need to be cleaned. If there is a significant amount more material in the structures (10% or greater than estimate) this will have an effect on the labor and equipment cost for removal of the material.

Please find attached an estimate and preliminary schedule to provide a complete operation of removing, hauling, and dumping at a permitted disposal site.

# Based on our understanding, the scope of the project includes:

- Mobilization to facility
- 3 Man Service Crew
- One Polston Combination<sup>3</sup> Truck
- One Poiston Roll Off Truck
- Polston will remove accumulated material from Forest Lakes WWTP Trains #1, #2, and #3 while the tanks are in
  operation
- Polston will haul all loads to a permitted disposal site
- · Polston will dispose of the material at a permitted disposal site
- Clean up project site at completion of project.
- Demobilization from facility

															Projec			YPRES	UTILITI	ES INC.		ES	-						TEPHENS			
					FROM:				7/4/2016				Hrs Day		Locatio	on:			LAKELA				-			Nam		JUSH SI	HULL	1.200		
					TO:				7/31/2016			Day		5/5 8	Project Ma Const Ma				LEE	BOTTS			-			Nam		04122-03-03-04		<u> 185</u>		
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			Start	Finish	<u> </u>	Man	nower Ou	antity		1	Man	power l	Quantity				npower Q		0 1 0	+- <u>u</u>	T 14	npower C	6 6	SS	м	T T T	WT	F	S	S H		(Equipment, tools, materials, etc.)
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				7440			x	x		0.5																$\rightarrow$				<b>- H</b>	-	
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DIVIDOIT				7/13/16											2	• •							-			_				<del></del>		FOLL OF ERATION CLEDINGS
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		DRAIN AERATION BASIN #2	7/12/16	7/13/16							_		_	121 L			-						1		151			-	1			
CYPRESS	UTILITIES INC	DRAIN AERATION BASIN #2															4															CLEAN OUT OF SERVICE
CYPRESS	PAT - 949	CLEAN AERATION BASIN #2	7/14/16	7/14/16	+-+-							-												200 C						AM)	194	
				7/15/16										70 C - 5				4			L. I-		1	<b> </b>	2014	_						
CYPRESS	PAT - CREW	REPLACE DIFFUSERS BASIN #2	7/15/16	113/10	+		-1	- 8		1.10-11								x	×				1						0.0		22. I	
		BRING AERATION BASIN #2 BACK ONLINE	7/15/16	7/16/16					24									3		3		121	+	RS D							20.50	
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ABRADOR	PAT - 949	CLEAN TRAIN #2	7/18/16	7/20/16										10.00							×	x										
			7/19/16	7/20/16					100										<u>.</u>			100 100		1	5/70	_					<u> 1000</u>	
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CYPRESS	PAT - 949	CLEAN AERATION BASIN #3	7/21/16	7/22/16								_	_	1000								. sticks			4			-			203	
CTPRESS	FAI - 343			1							1		1	100											<u> </u>							FULL OPERATION CLEANING
CYPRESS	PAT - 949	CLEAN SURGE TANK	7/25/16	7/25/16	+ $+$																				11	4					86. L	SIGN OFFS FROM OWNER
			7/26/16	7/26/16														₽	12 J.		+ +		-1			04022833			100		<u> 1997</u>	
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# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-5

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida



# ADD-CHANGE FORM

and the second se	hange?	New Project	Assigned Project #	<b>4:</b> 2015018
Requested by:	Bryan K. Gong Project Manager / A		Date:	1/26/2015
Project Name:	Lake Groves -	SolarOrganite		
Company:	251	Lake Utility Services Inc		
Business Unit:	251103	LUSI South S	BU Type:	SP
Project Owner:	Bryan K. Gong	<u>jre</u>	Budget Owner / RVP;	John Hoy
Project Manager:	Bryan K. Gong	gre	Region:	Florida
Start Date:	2/9/2015	Q1 2015	State:	aller frank die Sp State (States)
Estimated End Date:	12/31/2016	Q4 2016		in (1997) An Alexandria An Alexandria
Project Type:	Cost Re	eduction		
Will project replace/retire	e any assets:	No estate and a set		and and a second se
Previously Requested: This Request:	\$205,000 \$40,000	1		
Still to be Requested: Total Project Budget:	\$245,000			
onstruction of a 20' x 60' concr		g and Pasteurization chamber with odo	r control system.	
escription: onstruction of a 20' x 60' concr hange Order #1 - Purchase of			r control system.	
imeline Considerations:	a 30 cubic yard Fk		8.00 (\$3,523/month). It will ta onal four weeks. This assume	
imeline Considerations:	a 30 cubic yard Fk	p-Trend dewatering box. nual sludge hauling expense of \$42,27 wed by site work that will take an addition	8.00 (\$3,523/month). It will ta onal four weeks. This assume	ake 6 to 8 weeks to as no FDEP ((f applicable)

### **JUSTIFICATION / ALTERNATIVES**

#### Justification and Benefits:

Utilities, Inc.

This a newly patented sludge drying process that will be designed sufficient in size to treat biosolids generated at the Lake Groves WWTF. The sludge will initially be processed through the existing Flo Trend dewatering box then poured into the Pre-processing chamber of the drying unit. After one day's time, the sludge will then be pushed into the Pasteurization chamber for final processing where the biosolids will be converted to a Class A product with a solids content of 75-90%. The reduced biosolids will then be swept up and disposed of in a Class 1 landfill. By processing biosolids using this technology, sludge hauling costs will be drastically reduced and the Utility will avoid large increases in sludge hauling expense by a sludge hauling vendor.

CO #1 - The Lake Groves WWTF is currently assigned a 30 CY Flo Trend dewatering box used to dewater residuals that are hauled off site and disposed of at an RMF facility. The existing box must continue to serve its current purpose. A second Flo Trend box is necessary to be used in dewatering and tipping of residuals into the SolarOrganite processing chamber. The second Flo Trend box will facilitate the use of the Solarganite process without hampering the existing operation of the wastewater treatment process. Since there is continued growth in the Lake Groves service area, influent flows have been increasing as well resulting in increased sludge production. A single Flo Trend box is not capable of dewatering enough sludge to keep up with sludge production making the purchase of a second box necessary.

#### **Risk Evaluation**

Extended inclement weather periods where little sunlight appears would lead to longer processing times. This brings identifies the need to routinely process biosolids as often as possible so there is sufficient capacity in the plant digesters to hold sludge until the weather clears up. Since hauling costs have been omitted, this doesn't pose a problem.

The proposed capacity of the SolarOrganite unit doesn't process enough biosolids from the two (2) treatment plants to keep up with sludge produciton. In such a case the vendor has agreed to increase the size of the unit at the vendor's expense.

Permitting issues. FDEP has been consulted and agreed to this project being considered a pilot study with no permitting required and agreed that permitting can be addressed during the next Operating Permit renewal cycle. The Department backs the development and application of this technology due to its potential as a viable means of achieving Class A solids and reducing the need for land application.

Odors generated during the process. A small odor control unit with a blower has been added to the project scope.

#### **Alternatives Considered:**

Continue using the existing sludge hauling vendor. This option makes the Utility vulnerable to escalating costs for sludge disposal year after year due to increases in unit disposal costs and the volume of sludge generated.

#### **Technical Review Summary:**

This project has been discussed and revised as to viability, capital expense, O&M reduction and recovery. This project was technically reviewed by the CPRT on 1/29/15. Related information was discussed with no comments that were left unanswered.



### Financial and Regulatory Implications

Capital Plan	Yr1	Yr2	Yr 3	Yr 4	Yr 5		
Proposed Project Spend Project Spend in Current Plan	245,000 245,000						
Variance							if gamlingt
CIAC Collected Net Rate Base	245,000	245,000	245,000	245,000	245,000		(if applicable)
O&M Cost Impact B/(W) [	28,184	42,278	42,278	42,278	42,278		
Financial Justification						1 - E	
The project will add \$245,000 to fully operational based on the init	rate base while	e decreasing	O&M sludge have	auling expense he last 12 mor	⇒ by \$3,523.0i ths of actual	0/month once	the project is expense
fully operational based on the initial form the Lake Groves WWTP.	anaiyois. T						
				Rate Payers			
Estimated Revenue Impact per Number of Customers Impact			4 3,241	3,241			
Utility Financial Impact O&M Impact on EBITDA B/(W)		Yr 1 28,184	Yr 2 42,278	<b>Yr 3</b> 42,278	Yr 4 42,278	<b>Yr 5</b> 42,278	
Depreciation Impact on EBIT B/		(7,592)	(11,389)	(11,389)	(11,389)	(11,389)	
Under-recovery on capital B/(W) Net EBIT Impact B/(W)		(11,199) <b>9,393</b>	(16,799) <b>14,091</b>	(17,653) <b>13,236</b>	(18,507) <b>12,382</b>	(19,361) <b>11,528</b>	
			na an a				
Timing and Supporting Inform The project is incuded as a profe	orma in the co	nsolidated rate	e case to be fil	ed in 3Q16.			
The project is included as a plot							
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Regulatory Plan Implications	the 0015 -	al alan					
Regulatory Plan Implications This project has been added to	the 2015 capit	al plan.					
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This project has been added to	the 2015 capit	al plan.					



		「日本に行うてきた		Amount	Selected
Bid	Company		100 B	\$160,000	Yes
	Eco Sciences	chnologies (Sludge Mate	•)	\$40,000	Yes
2	Eco 2000	childingles (oldage Mar	,,	\$40,000	Yes
Component:		Amount			
Value Bid Elements		sh	uld match selec	ted b.d(s) above	
Engineering					
Direct Purchase of Parts / Mat	erials				
Landscaping / Site Restoration	ne 💷 🚍 🚍 i				
Other Components (specify):					
Cap Time					计 计 计 正正
SolarOrganite		160,000.00			an distant de distant
Site Work Eco -2000		40,000.00	<b>生作</b> 工作		
Tractor Equipment		5,000.00			
30 CY Flo-Trend Dewatering I	30X	40,000.00			
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and the second					
					aformation
		245,000.00	ould match fota	il Budget on General	
Total Project Budget				State of the state	
	ch project will be c	losed;	1410	Plant Sewers	Trimt Pit
Total Project Budget Object Account(s) to whi	ch project will be c	:losed:	1410	select from d	ropdown list
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Object Account(s) to whi General Comments: Patrick Anthony Technologies Eco 2000 is a local utility contr	is the local representa actor selected to cons	tive of Flo-Trend, the matruct the SolarOrganite t	anufacturer of	select from d select from d select from d select from d <u>Go to Re</u>	ropdown list ropdown list ropdown list ropdown list ference List watering box.
Object Account(s) to whi General Comments: Patrick Anthony Technologies Eco 2000 is a local utility contr	is the local representa actor selected to cons	tive of Flo-Trend, the matrix the SolarOrganite up high quality result	anufacturer of f unit per plans.	select from d select from d select from d <u>Go to Re</u> the Sludge Mate de Eco 2000 has comp	ropdown list ropdown list ropdown list ference List watering box. oleted a variety of
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Object Account(s) to white General Comments: Patrick Anthony Technologies Eco 2000 is a local utility contre projects for the utility on time, Eco Sciences is the sole source	is the local representa actor selected to cons	tive of Flo-Trend, the matrix the SolarOrganite up high quality result	anufacturer of f unit per plans.	select from d select from d select from d <u>Go to Re</u> the Sludge Mate de Eco 2000 has comp	ropdown list ropdown list ropdown list ference List watering box. oleted a variety of

Utilities, Inc.

Approvals

echnical Peer Review	Martin Lashua	Date Held	1/29/2015	
Approval to proceed Comments (note if feedback re	Yes 🗹 No 🗔			
None.				
P&A Review Review Completed by	Christie Kincaid	Date:	2/5/2015	perset interested interested
Does Project comply with curr Comments	ent Utility Rate and Regulator	ry Plan? Ye	s☑ No 🗖	
				and a second s
Approvals		eternet internet inte		Applicable?
Regional Manager:	Bryan K. Gongre	Date:	1/29/2015	
	Patrick C. Flynn	Date:	2/5/2015	
VP Operations:	and the second se		2/5/2015	
	John Hoy	Date:		
VP Operations: President: Approval or Re-Direction Co				
President:				



# Superior Quality. Efficient Operations. Exceptional Service.

# SolarOrganite Pilot Test

# Lake Groves & Pennbrooke WWTP's

# Proposal & Scope of Work for Pilot Test Facility

**Eco Sciences, LLC** proposes to design, co-build and license our patent pending SolarOrganite® Biosolids Management Facility for Lake Groves and Pennbrooke WWTF's. This site will have the opportunity to produce a safe class AA/EQ (Exceptional Quality) licensed fertilizer. This process will be proposed and installed as a pilot test operation that Lake Groves and Pennbrooke WWTF's will have the capability of continued operation as a volume reduction process Class A biosolids minimum (75% - 90%), or a class AA facility/EQ fertilizer facility.

The SolarOrganite® process is an environmentally friendly, volume reducing, sustainable, innovative and a cost effective method of reducing all sludge disposal costs by converting Biosolids into a safe Class A biosolids, or Class AA/EQ state licensed fertilizer using only solar energy meeting all State and Federal Regulations.

The following proposal covers the scope of work as follows:

- License To Use the SolarOrganite® Patent Pending Process and Fee :
  - o SolarOrganite® License/Royalty Fees Included on One Time Basis
- Patented SolarOrganite® Facility Design with SolarOrganite® Pasteurization/Drying Chamber:
  - o (1) 20' x 30' SolarOrganite® Pasteurization Chamber
  - o Metallic Black Powder Coated Environmental Sealant
  - 54 Patented SolarOrganite® Panel Grid
  - Roller Channels and Expansion Length for Cultivation and Loading
  - o Delivery and Installation with Wind Loading Anchorage
- Pre-Processing Bio/Solids Solar Chamber
  - o (1) 20' x 30' SolarOrganite® Pre-Processing Waterproof Lexan Chamber
  - Wheel and Channel Structure for Processing
  - Metallic Black Powder Coated Environmental Sealant
  - Roller Channels and Expansion Length for Cultivation and Loading
  - Delivery and Installation with Wind Loading Anchorage

NOTE – Both Pre-Processing Solar and Pasteurization Chambers Will Be Anchored For High Wind Conditions and Shall Be Secured Each Day After Cultivation. As This is a Pilot Test, Certified Engineering of Designed Project is not Mandated, nor Included.

# • Odor Control System

- 400 CFM Carbon Adsorption System
- 1 h.p. 120 Volt Single Phase, or 230 Volt Three Phase Blower (**TBD**)
- 60" High x 40" Diameter Fiberglass Vessel
- o 19ft. cu. Granulated Carbon (Estimated 3 year capacity)
- o All P.V.C. Schd. 80 Duct, Fittings and Anchors
- Quick Disconnects on Duct for Loading and Processing
- o (1) 120 Volt Humidifan for Processing Chamber

# • Turning Equipment:

• Provided by owner

# • Site Work (Done by owner)

- o Survey
- o Grading
- o Base Material
- Concrete Floor (64' x 24' x 4") truck weight and 20' driveway
- o 20' x 30' White Rock Base for Panel Storage
- 30' Concrete Runners and Posts for Panel Storage
- 16" Block Poured Chamber Wall (20' x 60')
- Chamber Steel Flooring (optional, may be added upon successful pilot)
- 12' Access Opening for Loading and Processing
- o 6' x 6' x 4" Concrete Odor Control Slab
- o 120v. 20 amp. Service for Blower and Outlet for Fan
- A Lot Permit or Full Permit Modification If Deemed Necessary
- Training of Staff:
- Included
- Pilot Test System Goals & Assurances:
  - Will Meet Class AA/EQ State Licensed Fertilizer Standards.
  - Volume Reduction (75% 90%) to Class A Solids Minimum
  - Handle Current Capacity (20 yards) of WWTP Weekly Volume Under Normal Florida Conditions
  - o The Facility Can be Expanded to Process Additional Sludge, or Class AA
  - Supplemental 20'x20'x4" Slab and Cover will be Provided by Eco Sciences Should Proposed Design not Meet Capacity for Lake Groves and Pennbrooke WWTP's.
  - o Proper Sealant and Painting of Concrete Block Walls by Vendor
  - Three Year Parts and Labor Warranty on Aluminum Grid, Odor Control System and SolarOrganite Panels
  - Continuous Monitoring, Supervision and Minor Modifications to be Overseen by SolarOrganite Personnel

# SolarOrganite Pilot Project Cost - \$160,000

# Proposed Payment Schedule

Terms:

- \$80,000 upon signed agreement down payment.
- \$80,000 balance due upon completion of project.
- Proposal valid through 11-28-14 with verbal commitment.

Sincerely,

Gary V. Hammond **Eco Sciences, LLC** 39829 County Road 452 Leesburg, Florida 34788 352-223-9844 EcoSciences@gmail.com

# INVOICE

Eco Sciences, LLC 39829 County Rd. 452 Leesburg, FL 34788 (352) 358-1222 www.EcoSciencesLLC.com Ecosciences@gmail.com 3070125 PO# 179086 Recpt 187691 Date: February 6, 2015 Invoice # 103

TO: Lake Utility Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714 800-272-1919 x-1360

PMA	Lake Groves SolarOrganite	Due on Receipt	3-13-15
1	SolarOrganite Bio/Solids Treatment Pilot Test Facility	\$160,000.00	\$160,000.00
1	Patented SolarOrganite Pasteurization Chamber	Included	Included
1	Lexan Pre-processing Chamber	Included	Included
1	Carbon Odor Control System and Ductwork	Included	Included
1	Delivery, Installation and Testing Supervision	Included	Included
1	50% down payment for mobilization, balance due upon completion.	\$80,000.00	\$80,000.0
		Subtotal	\$80,000.0
		Sales Tax	Exempt On Fil
		Total	\$80,000.0



"It's Clean, Green and Seen as the Most Cost Effective Process" Make all checks payable to Eco Sciences, LLC THANK YOU FOR YOUR BUSINESS!

# INVOICE

Eco Sciences, LLC 39829 County Rd. 452 Leesburg, FL 34788 (352) 358-1222 www.EcoSciencesLLC.com Ecosciences@gmail.com

# 3070125 PO# 179086 Reept# 196124

Date: May 28, 2015 Invoice # 106

TO: Lake Utility Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714 800-272-1919 x-1360

PMA	Lake Groves SolarOrganite	Due on Receipt	5-28-15
1	SolarOrganite Bio/Solids Treatment Pilot Test Facility	\$160,000.00	\$160,000.00
1	Patented SolarOrganite Pasteurization Chamber	Included	Included
1	Lexan Pre-processing Chamber	Included	Included
1	Carbon Odor Control System and Ductwork	Included	Included
1	Delivery, Installation and Testing Supervision	Included	Included
			· · · · · · · · · · · · · · · · · · ·
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1	40% delivery of materials, 10% balance due upon completion	\$72,000.00	\$72,000.00
	Remaining Balance	\$8,000.00	\$8,000.00
		Subtotal	\$72,000.00
		Sales Tax	Exempt On Fi
		Total	\$72,000.00



"It's Clean, Green and Seen as the Most Cost Effective Process" Make all checks payable to Eco Sciences, LLC THANK YOU FOR YOUR BUSINESS!

3006123 PD#179091 Real#199942

# Invoice



# ECO-2000, Inc.

P.O. Box 2275 Bushnell, FL 33513 Phone: (352) 793-5060 Fax: (352) 793-9074

Account #	Date	Invoice #
	7/13/2015	15-7236

Bill	То
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Utilities, Inc. of FL/Solar Organite Lake Utility Services, Inc. Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

		Γ	Job #
			ECO-1150
Γ	P.O. No.	Business Unit No.	Terms
	en en generalen er het det henne et die henne die die een die generale en die die die die die die die die die d		Due on receipt
Description	Qty	Rate	Total
LAKE GROVES WWTP Clermont, Florida		40,000.00	40,000.00
SOLAR ORGANITE SYSTEM			
CONCRETE			
<ul> <li>- 64 x 24 slab 4in thick with a 12in ×16 in footing around perimeter,</li> <li>2-#5 bars cont., uprights every 4ft</li> </ul>			
- 12ft x 35ft approach, 6in thick with wire			
- 2 coarses of block around perimeter, with 1-#5 bar in top block tied to uprights			
ASPHALT			
- Excavate 6" down			
- Stabilize sub-base			
- Lay 6" Lime Rock			
- Compact Rock			1
- 1-1/2" Asphalt			
		<u> </u>	
		Total	\$40,000.00

# PROPOSAL

Patrick Anthony Technologies, LLC 3001 Lakeshore Dr. Mount Dora, FL 32757 Phone 352-735-3352 Fax 352-735-4019 Email pat.anthony@comcast.net Date: 3/30/2016 Proposal # 7686

То

Lake Utilities Hwy 27 Clermont, FL 407-948-9840 Contact Bryan Gongre

PMA     Lake Groves     Upon Receipt     4-12-16       Quantity     Description     Unit Price     Line Total       1     30-Yard FloTrend Sludge Mate with Tarp     \$40,000.00     \$40,000.00       4     4     4     4       1     30-Yard FloTrend Sludge Mate with Tarp     \$40,000.00     \$40,000.00       4     4     4     4       1     30-Yard FloTrend Sludge Mate with Tarp     \$40,000.00     \$40,000.00       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       5     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       5     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4     4     4     4     4       4	Salesperson	Site Location	Payment Terms	Delivery
1         30-Yard FloTrend Sludge Mate with Tarp         \$40,000.00         \$40,000.00	РМА	Lake Groves	Upon Receipt	4-12-16
1         30-Yard FloTrend Sludge Mate with Tarp         \$40,000.00         \$40,000.00				
Subtota/ \$40,000.00	Quantity	Description	Unit Price	Line Total
Subtotal \$40,00.00	1	30-Yard FloTrend Sludge Mate with Tarp	\$40,000.00	\$40,000.00
Subtotal \$40,000.00				
Subtotai \$40,000.00				
Delivery				
<b>Total</b> \$40,000.00				\$40,000.00



" Saving the environment with each innovative idea"

Make all checks payable to Patrick Anthony Technologies Thank you for your business!

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-7

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida



equested by: roject Name: ompany: usiness Unit: roject Owner: roject Manager:	Bryan K. Gongre Project Manager / Area LUSI SCADA Ins 251 251106 Patrick C. Flynn	a Manager	vices Inc	Date:	4/28/2014
ompany: usiness Unit: roject Owner: roject Manager:	251 251106	Lake Utility Ser	vices Inc		
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roject Owner: roject Manager:		LUSI North			
roject Manager:	Patrick C. Flynn				
	Bryan K. Gongre				
art Date:	5/12/2014	Q2 2014			
stimated End Date:	12/31/2014	Q4 2014			
в	U Туре:	Water			
B	udget Owner / RVP:	John Hoy	03		
R	egion:	VP-FL	04		
St	ate:	FL			
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nis Request: till to be Requested:	\$459,056				
otal Project Budget:	\$459,056				
bject Account(s) to wh	nich project will be o	closed:	1365	Flow Measure Devices select from dropdown list select from dropdown list select from dropdown list select from dropdown list <u>Go to Reference List</u>	
ription:		Ren - Ar	Constant States	stem (SCADA) with CEI services f	Les and the los



#### Justification and Benefits:

Lake Utilities Services, Inc. provides service to approximately 9,789 connections within unincorporated Lake County. There are eight (8) WTPs and five (5) well sites located in the LUSI North service area, one (1) WTP, one (1) WWTF, (1) reclaimed treatment plant and twenty-two (22) lift stations are located in the LUSI South service area, one (1) WTP is located in Montverde and one (1) WTP in Tavares. The LUSI North facilities are interconnected and situated at various elevations creating non-defined pressure zones within the system. Each of the WTPs has an assigned maximum day design capacity as established by FDEP. The facilities are operated according to system pressure differential through the means of mercoid switches that offer little control over the operation. These WTPs tend to compete against one another meaning that a particular facility can continue to run and exceed its max day design rating creating an exceedance and violating FDEP rules and regualtions which state that no WTP shall be permitted to pump over its max. day design capacity. Several exceedances have occurred over the last few years that have triggered the need to address this matter. Short term solutions were implemented that have been marginally successful however the complete solution is to implement a SCADA system wherein the facilities can be better controlled and monitored to avoid future exceedances. This project will not only resolve this issue but provide for additional enhancements and O&M cost savings. All WTPs, the reclaimed treatment plant, portions of the WWTF, well sites and eighteen (18) of the lift stations all currently monitored by C&A systems for alarm notifications would now be monitored by SCADA eliminating the need for the C&A monitoring expense resulting in a projected O&M annual savings of \$7,788.00. However there is an offsetting annual SCADA maintenance fee resulting in a net zero effect. All alarms would be dispatched directly to our personnel omitting the need for alarm calls to be dispatched by our admin staff during normal buisness hours and Syntheny after hours. This will drastically improve response time and direct staff to a particular facility to address any problem. With the ability to graph and trend data, paper chart recorders will no longer be required. Pumping data can be directly inputted to the MORs and made accessible to authorized users for reporting purposes. The existing fully depreciated C&A alarm monitoring equipment can be repurposed by being used elsewhere in the Company eliminating the up front capital cost for another subsidiary to take advantage of as this equipment can be supported anywhere in the country. Lift station operating reports can be evaluated each morning to check for problems allowing the technician to prioritize the route and address these problems during normal business hours as opposed to not visiting a particular station that could result in OT and additional salary expense. Commercial power glitches that create false alarms and generate OT would be recognized eliminating the need to respond.

#### **Alternatives Considered:**

Create specified pressure zones by installing pressure control valves throughout the system. These assemblies would require a dual valve configuration to allow water to pass in either direction as determined by the pressure setting for each valve. A single bidirectional pressure control valve does not currently exist. It is estimated that several of these configurations would be required at a cost of approximately \$65,000.00 each. This option would likley resolve the max. day design pumping issue but would not provide the cost savings, operability and monitoring capability of a SCADA system. In 2006 LUSI successfully consolidated the LUSI North WTPs under a single PWS ID number that decreased the sampling frequency and expense associated with that effort.-By installing the PCV assemblies and creating defined pressure zones within the LUSI North system this would likley create the need to break the system into more than one PWS and elevate expenses.



# CAPITAL PROJECT REVIEW CHECKLIST

Bid     Company     Amount     Selected       1     Revere Controls     \$470,000     No       2     ScadaOne     \$288,131     Yes       3     Sanders Company     \$398,843     No   Estimated Revenue Impact per Customer: Number of Customers Impacted: 9,789       \$0,59     per customer per month   Ts% estimate covers return, depreciation and tax	Does project meet the definition of Has project been thoroughly invest Has project been added to Cap Pla What is the proposed Initial Project What quarter does the project nee Will any CIAC be collected? How r Have any engineering evaluations If yes, is the engineer Have all alternatives been investig Is the proposed project tied to a ra Have three bids been received? If What are the repercussions if project Are there any permits required to s Is the Cap Ex add/change form coo Has Cap Ex add/change form been Other issue(s)? (use corr Bid	a Capital Project? (Complete > 30 day igated? in Budget Template for Regional Consi Budget? d to start? nuch? been performed? ing a separate project? ated? If so, what are they? Comment B e case? When? not, why? List and provide amounts be ect is not approved? Comment below tart the project? mplete? in submitted to project owner/manager to	eration?		
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alas Cap Ex add/change form been submitted to project owner/manager to discuss with the CPRT?   Dther issue(s)?   (use comments section below)   Bid   Company   Amount   Selected   1   Revere Controls   \$470,000   No   2   ScadaOne   \$288,131   Yes   3   Sanders Company   \$398,843   No   Estimated Revenue Impact per Customer:   Number of Customers Impacted:   9,789   \$0.59   per customer per month   15% estimate covers return, depreciation and tax	Has Cap Ex add/change form been Other issue(s)? (use com Bid 1	submitted to project owner/manager to	discuss with the CDDT?	-	
Dther issue(s)?       (use comments section below)       Image: Company       Amount       Selected         1       Revere Controls       \$470,000       No         2       ScadaOne       \$288,131       Yes         3       Sanders Company       \$398,843       No    Estimated Revenue Impact per Customer:         Number of Customers Impacted:       9,789         \$0.59       per customer per month         15% estimate covers return, depreciation and tax	Other issue(s)? (use com Bid 1		discuss with the CPPT?		
Bid     Company     Amount     Selected       1     Revere Controls     \$470,000     No       2     ScadaOne     \$288,131     Yes       3     Sanders Company     \$398,843     No   Estimated Revenue Impact per Customer: Number of Customers Impacted: <ul> <li>9,789</li> <li>\$0.59</li> <li>per customer per month</li> <li>15% estimate covers return, depreciation and tax</li> </ul>	Bid 1	ments section below)	uiscuss with the OFICT?	7	
1       Revere Controls       \$470,000       No         2       ScadaOne       \$288,131       Yes         3       Sanders Company       \$398,843       No         Estimated Revenue Impact per Customer:         Number of Customers Impacted:       9,789         \$0.59       per customer per month         15% estimate covers return, depreciation and tax	1				1
1       Revere Controls       \$470,000       No         2       ScadaOne       \$288,131       Yes         3       Sanders Company       \$398,843       No         Estimated Revenue Impact per Customer:         Number of Customers Impacted:       9,789         \$0.59       per customer per month         15% estimate covers return, depreciation and tax		Company	Amount	Selec	cted
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Estimated Revenue Impact per Customer: Number of Customers Impacted: 9,789 \$0.59 per customer per month 15% estimate covers return, depreciation and tax		ScadaOne	\$288,131	Ye	s
Estimated Revenue Impact per Customer: Number of Customers Impacted: 9,789 \$0.59 per customer per month 15% estimate covers return, depreciation and tax	3	Sanders Company	\$398,843	N	0
15% estimate covers return, depreciation and tax					
		\$0.59			
	Comments:		15% estimate covers return, o	reclation an	id taxi



# **BUDGET BREAKDOWN**

Component:	Amount	
Low Bid Elements	288,131.34	should match selected bid(s) on Review Checklist
Engineering	93,425.00	
Direct Purchase of Parts / Materials		
andscaping / Site Restoration		
Other Components (specify):		
1-20ma Meter Registers	10,000.00	
Rosemont Pressure Transdeucers	17,500.00	
Contingency	50,000.00	
	150 050 04	should match Total Budget on Add-Change Form

### Lake Utility Services CP# 2014072 LUSI SCADA System

• •										Volition		
Vendor	ScadaOne		СРН	North Lake	Avanti	IMS	kW Controls	IPS	Odyssey	Controls	Brighthouse	Project Budget
								172737/178084/				
PO Number	162009		161652	176652	171948	171652	172304	201152	171 <b>696</b>	172302	177563	\$ 469,056.34
Amount	300,894.52		93,425.00	20,000.00	15,153.42	2,755.25	14,343.00	4,661.00	2,086.50	12,490.00	600.00	\$ 466,408.69
Change Order										•		\$-
Draw #1	25,830.00	Prior Spend	58,425.00	16,628.00	12,288.06	2,755.25	1,867.87	360.00	2,086.50	12,490.00	600.00	\$ 466,408.69
Draw #2	109,068.63		634.62	3,037.00	1,328.42		7,980.80	250.00				
Draw #3	62,476.46		5,145.04		1,125.00		2,989.85	250.00				
Draw #4	34,191.82		5,000.03				1,370.00	250.00				
Draw #5	26,111.10		5,000.00				2,002.05	846.00				
Draw #6	43,216.51		6,062.83					600.00				
Draw #7			2,499.98					465.00				
Draw #8			5,407.50					1640.00				
Draw #9			5,250.00									
Spent to Date	300,894.52		93,425.00	19,665.00	14,741.48	2,755.25	16,210.57	4,661.00	2,086.50	12,490.00	600.00	\$ 467,529.32
Vendor Balance	0.00		0.00	335.00	411.94	0.00	0.30	0.00	0.00	0.00	0.00	\$ 747.24
Budget Balance												\$ 2,647.65



1117 East Robinson Street Orlando, Florida 32801

> Phone: 407.425.0452 Fax: 407.648.1036

www.cphengineers.com

April 25, 2013

Mr. Bryan Gongre Regional Manager Lake Utility Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714

RE: LUSI SCADA Proposal

Dear Bryan:

We are pleased to submit this proposal to provide professional engineering services associated with the preparation of design requirements for a SCADA system for the Lake Utility Services, Inc. service area.

This scope of services includes the preparation of technical specifications for a SCADA system for the Lake Utility Services service area. The SCADA control can include the following items:

- access to all the well sites and data
- access to all water treatment plant controls and data
- access to wastewater plant/reclaimed water controls and data
- access to lift station data and emergency call service to replace C & A Systems

The specifications will be written to allow the Utility control of their system remotely. The central unit will be located at the Lake Groves WWTF operations building. A communications evaluation will be provided to determine the best means of communications between the sites and the central control location at the Lake Groves WWTF.

The technical specifications will be completed within three months and ready for bidding. A minimum of three bidders will be invited to bid on the project. This scope includes bidding assistance and coordination. The prospective bidders will prepare a comprehensive proposal, including cost and technical ability, and will be given the opportunity to formally present their qualifications with a hands on demonstration of their product. The bidders will be evaluated based on price, product, and service and a recommendation for award will be submitted to the Utility.

Environmental services <u>are not included</u> in this scope. Surveying <u>is not included</u> in this scope of services. Any required surveying will be additional to this contract. Geotechnical services <u>are not included</u> in the scope of services. This proposal <u>does not include construction administration services</u>.

### Supplementary Services

A DESCRIPTION OF A DESC

If authorized in writing by the Owner prior to the rendering of such services, the engineer will furnish or obtain under subcontracts, supplementary services which will be paid for by the Owner.

Additional services due to significant changes in the scope of the project or its design including, but not limited to, changes in size, complexity, character of construction or due to time delays in initiating or completion of the work as described herein.

Preparing to serve as an expert witness for the Owner in any protest, litigation, or other proceeding involving the project.



Additional engineering services required by revisions to regulations (after the date of this contract) as applicable to the Florida Department of Environmental Protection, the St. Johns River Water Management District, or other regulatory agency requirements.

Provide, through a subconsultant, additional surveying services if required or requested by the Owner.

Provide, through a subconsultant, additional soils investigation services if required or requested by the Owner.

### Payment

The engineering design fee for the services, described herein is estimated to be \$58,425.00, including the listed subconsultant fees and out of pocket expenses.

A 10% markup will be applied to subconsultant services coordinated through CPH.

Progress invoices will be submitted based on the Engineer's estimate of the percent of work complete at the time of invoicing.

Charges for the services rendered by principals and employees as witnesses in any litigation, hearing or proceeding in accordance with this Contract will be computed at a rate of \$600 per day or any portion thereof.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us.

If you have any questions please call me.

Sincerely, CPH. Inc.

Stephen N. Romano, P.E. Vice President/Associate

ACCEPTED BY: LAKE UTILTY SERVICES, INC.

Burnd. 9

Date: 5/31/13



March 7, 2014

1117 East Robinson St. Orlando, FL 32801 Phone: 407.425.0452 Fax: 407.648.1036

Mr. Bryan Gongre Regional Manager Lake Utility Services, Inc. 200 Weathersfield Ave Altamonte Springs, FL 32714

# RE: LUSI SCADA Construction Services Proposal

# Mr. Gongre:

Thank you for the opportunity to present this proposal to perform the construction services associated with the SCADA improvements for the Lake Utility Services utility service area. Bailey Engineering Consultants (BEC) will be performing the direct SCADA coordination with ScadaOne and CPH will coordinate the utility operations with LUSI personnel. Services associated with this proposal include the following:

- Project Coordination This includes the project kickoff and coordination between ScadaOne and Utility personnel to ensure the SCADA installation and programming meets the design and operational needs of the Utility.
- 2. Shop Drawing Review BEC will handle shop drawing review to ensure the equipment is provided in accordance with the design.
- Clarifications/Conflict resolutions CPH and BEC will provide any support necessary to resolve any site related clarifications for each SCADA location. This item includes programming and installation clarifications required to meet the needs of the Utility.
- 4. Site Inspections BEC will provide site inspections of the various installation location to verify the equipment is being installed in accordance with the contract requirements.
- 5. System Testing and Startup CPH and BEC will coordinate the full system startup and testing. This includes oversight of operator training and review of any O&M manuals or startup information.

No design or permitting services are including in the contract.

# Payment

The engineering fee for the services, described herein is estimated to be \$35,000.00, including out of pocket expenses.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.



If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us and initial as indicated on Exhibit A.

If you have any questions please call me.

Sincerely CPH

Stephen N. Romano, P.E. Vice President/Associate

ACCEPTED BY: LAKE UTILITY SERVICES, INC.

Bur R. 9 \_\_\_\_\_

Date: 6/23/14

# ATTACHMENT A – PRICING PROPOSAL

This pricing proposal is submitted by <u>ScadaOne, LLC</u> and represents the cost of providing a SCADA system upgrade to Lake County Utilities, Florida in accordance with their RFP No. \_\_\_\_\_'

The price is firm and fixed for a period of acceptance for ninety days following the date defined in the RFP for submittals.

# Initial Price

The initial contract price is <u>\$288,131.34</u> dollars (written) broken down in the following Table.

Item	Description	Qty.	Unit Price	Extension
1	HMI Subsystem hardware including secondary operation location	1	Lump sum	\$5,000
2	HMI Subsystem software including all necessary licenses	1	Lump sum	\$38,079
3	Fiber optic system at Lake Groves	1	Lump sum	N/A
4	Modifications to existing PLC equipment and panels	1	Lump sum	\$20,000
5	Master Telemetry Unit	1	\$4,200	\$4,200
6	Remote Telemetry Unit	27	\$4,241	\$114,507
7	Remote well site panel modifications	11	\$3,200	\$35,200
8	Mobilzation, etc.	1	Lump sum	\$10,000
9	Project Management, documentation, etc.	1	Lump sum	\$27,000
10	Start up, testing and training	1	Lump sum	\$13,500
	Miscellaneous (not included in above items)	1		\$20,645.34
			Total Initial Price	\$288,131.34

\* This pricing is valid for either cellular or texting

Recurring Price.

The recurring costs for the SCADA system are as follows:

Monthly cost per site for RTU communications to be paid by Owner is \$3 - \$11

A quarterly one day site maintenance site visit is <u>\$2,500</u> including all travel costs.

The above prices, excluding RTU communications, shall remain valid for a period of one year following final system acceptance. Subsequent annual costs will be based upon increases using a mutually acceptable, nationally recognized inflation index.

In the case of conflict between the numeric and written prices, the written price shall prevail.

Proposer agrees that the Work will be substantially complete within 210 calendar days after the date the City issues a Notice to Proceed to Contractor and completed and ready for final payment within 240 calendar days after the date the City issues a Notice to Proceed to Contractor.

Signed by an officer authorized by the proposer to commit the company to the above pricing:  $1 \qquad \bigcirc$ 

Signature

April 18, 2014

Date

Kevin Mathes

Name

President Position within proposer's company

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd Suite 104 Lakeland, FL. 33811 Phone: (888) 472-2321 Fax: (863) 812-4490

# **CHANGE ORDER**

		REMIT PAYMENTS	TO:
Lake Utility Services,	Inc		
Bryan Gongre		COMPANY: ATTN:	ScadaOne, LLC Accounts Payable
200 Weathersfield A	ve.	ADDRESS:	PO Box 456 Mulberry, FL 33860
Altamonte Springs, F	L 32748		
E: LUSI SCADA Improve	ements	PROJECT N	o: <u>1051</u>
REQUESTED BY	TITLE	CUSTOMER PO NO	TERMS
Kevin Mathes	President		Net 30
			AMOUNT
eless links between three	e sites at Lake Gro	oves	\$5,772.00
lant per attached propo			
	Bryan Gongre 200 Weathersfield A Altamonte Springs, F E: LUSI SCADA Improve REQUESTED BY Kevin Mathes	200 Weathersfield Ave.         P         Altamonte Springs, FL 32748         E:       LUSI SCADA Improvements         REQUESTED BY.       TITLE         Kevin Mathes       President	Lake Utility Services, Inc       COMPANY:         Bryan Gongre       ATTN:         200 Weathersfield Ave.       ADDRESS:         P       Altamonte Springs, FL 32748         E:       LUSI SCADA Improvements       PROJECT N         REQUESTED BY.       TITLE       CUSTOMER PO NO

SUBTOTAL TAX TOTAL \$5,772.00

SEND ALL CORRESPONDENCE TO: SCADAONE, LLC PO BOX 456 MULBERRY, FL. 33860 Phone 888-472-2321 Fax 863-812-4490

Bryan K. Gongre Date:

PRINT NAME

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd. Ste 104 Lakeland, FL. 33811 888-4SCADA1 (472-2321) Fax: 863-812-4490

January 30, 2015

Bryan K. Gongre Regional Manager -Utilities, Inc. & its affiliates Lake Utility Services, Inc. 200 Weathersfield Avenue

RE: RFP - SCADA System Upgrade. LUSI North Water Treatment Service Area, Changes to HMI

Per our meeting on December 17, 2014, we are pleased to provide you with this proposal for the additional cost to configure a Plant Meters page were manual data can be entered and logged, as well as making minor requested changes to the HMI for better functionality to the operators. These minor changes are to include, but not limited to:

- Acid Blower changes
- HSP Pressure on the HSP Page
- Transfer Pump Level on Transfer Pump Page
- GST Level on GST Controls Page
- CL2 to Hypochlorite Page
- Adding Generator on Lake Groves Overview Page
- Adding Alarm Silence and Reset to all pages

The total price for these professional services is \$ 4040.40 based on 40 hours at \$101.01/hr. Terms are monthly progress billings based on efforts expended, net 30. ScadaOne, at their discretion, may stop work if payments are greater than 45 days past due.

We look forward to working with you on this project. Feel free to contact me if you have any questions or need additional information.

Sincerely,

Jennifer Strickland System Designer 863-397-1554 jstrickland@scadaone.com

Accepted: 32425 2/20/15 Bryan K. Gongre

ScadaOne, LLC. 2/20/2015, Page 1 of 1



www.scadaone.com

2500 Drane Field Rd. Ste 104 Lakeland, FL. 33811 888-4SCADA1 (472-2321) Fax: 863-812-4490

February 2, 2016

Bryan K. Gongre Regional Manager Utilities, Inc. & its affiliates 200 Weathersfield Avenue

RE: RFP - SCADA System Upgrade. LUSI North Water Treatment Service Area, Changes to Well Sites

Per your request to add the Q46 modules/flow meters to the well sites, we are pleased to provide you with this proposal for the additional cost.

There is a Q46 Module at the following sites. We will need an additional Mixed I/O card for the extra analog. Chlorine, PH and Temp.

Amber Hill - Lake Ridge Clermont II Crescent Bay

There are new flow meters at four of the sites. We will need an isolated 24vdc P.S. on Aux I/O Board for the pulse signal.

All wire and conduit was installed by John(IPS).

We will make terminations in the RTU panel.

The total price for these hardware changes with professional services is \$ 2,951.08. Terms are monthly progress billings based on efforts expended, net 30. ScadaOne, at their discretion, may stop work if payments are greater than 45 days past due.

We look forward to working with you on this project. Feel free to contact me if you have any questions or need additional information.

Sincerely,

ScadaOne, LLC. 2/2/2016, Page 1 of 2

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd. Ste 104 Lakeland, FL. 33811 888-4SCADA1 (472-2321) Fax: 863-812-4490

Jennifer Strickland System Designer 863-397-1554 jstrickland@scadaone.com

ScadaOne, LLC. 2/2/2016, Page 2 of 2

ScadaOne, LLC www.scadaone.com			00 Drane Field Rd. Suite 104 akeland, FL 33811 888-472-2321
	INVOICE	Date	Invoice #
Bill To		9/25/2014	1051-140925
Lake Utility Services, Inc. Bryan Gongre		PO Box	Dne, LLC x 456 rry, FL. 33860 Due Date
Project: 1051 - LUSI, SCADA Improvemen		P.0. NO.	10/25/2014
Description	Qty	Rate	Amount
HMI Subsystem software including all necessary licenses Mobilization Project management, documentation, etc. Start up, testing and training Change Order #1 Retainage (-10%)	0.1890	.5 10,000.00 59 27,000.00	7,200.00 5,000.00 16,000.00 500.00 -2,870.00
		Terms	Net 30
		Total	\$25,830.00

ScadaOne, LLC				Drane Field Rd. Suite 104 eland, FL 33811 888-472-2321
IN	VOICE	Date		Invoice #
Bill To	1	12/5/201	14	1051-41205
Lake Utility Services, Inc. Bryan Gongre	3063130 PO#162009 RecpL#183438	PO	Box 4	e, LLC 56 <sup>7</sup> , FL. 33860
		P.O. No.		Due Date
Project: 1051 - LUSI, SCADA Improvemen				12/20/2014
Description	Qty	Rate		Amount
HMI Subsystem hardware including secondary operation location HMI Subsystem software including all necessary licenses Modifications to existing PLC equipment and panels Master Telemetry Unit Remote Telemetry Unit Mobilization Start up, testing and training Miscellaneous (not included in above items) Change Order #1 Wireless network at Lake Grove Retainage	0.9 0.7109 0.9 0.45 0.25 0.213 0.25 1	5,000.00 38,079.00 20,000.00 4,200.00 114,507.00 10,000.00 20,645.44 5,772.00 -12,118.74		4,500.00 27,070.36 18,000.00 3,780.00 51,528.15 2,500.00 2,875.50 5,161.36 5,772.00 -12,118.74
		Terms		Net 15
		Total		\$109,068.63

12月末度	adaOne, LLC			00 Drane Field Rd. Suite 104 akeland, FL 33811 888-472-2321
		INVOICE	Date	Invoice #
Bill To			2/13/2015	1051-50217
Lake Utility Ser Bryan Gongre	rvices, Inc.	3063130 PD#162009 Recpt 188632	PO Box	One, LLC ‹ 456 rry, FL. 33860
	1		P.O. No.	Due Date
Project:	1051 - LUSI, SCADA Improvemen			2/28/2015
	Description	Qty	Rate	Amount
Remote Telem Remote well si Change Order	ite panel modifications	0.47 0.44318	114,507.00 35,200.00	53,818.29 15,600.00
Retainage			-6,941.83	-6,941.83
		l	Terms	Net 15
			Total	\$62,476.46

and the second second

	adaOne, LLC			500 Drane Field Rd. Suite 104 akeland, FL 33811 888-472-2321
		INVOICE	Date	Invoice #
Bill To			5/22/2015	1051-50522
Lake Utility Ser Bryan Gongre	rvices, Inc.	3063130 PD#162009 Recpt. 195768	PO Box	Dne, LLC x 456 rry, FL. 33860
Project:	1051		P.O. No.	Due Date
Project.	1051 - LUSI, SCADA Improvemen Description	Qty	Rate	6/21/2015 Amount
Mobilization Project manag	etry Unit te panel modifications ement, documentation, etc. (not included in above items)	0.1 0.08 0.3368 0.25 0.1 0.55	4,200.00 114,507.00 35,200.00 27,000.00 20,645.44 -3,799.09	420 00 9,160.56 11,855.36 2,500.00 2,700.00 11,354.99 -3,799.09
			Terms	Net 30
			Total	\$34,191.82

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd. Suite 104 Lakeland, FL 33811 888-472-2321 (office) 863-812-4490 (fax)

	10	IVOICE		Date		Invoice #
		RECEIVE	0	10/2/20	15	1051-51002
Bill To Lake Utility Ser Bryan Gongre	rvices, Inc.	007052011 3063130 PO#162009 RoupL# 20725.	5 Rem	PO	adaOn Box 4 Jberry	
	7			P.O. No.	6	Due Date
Project:	1051 - LUSI, SCADA Improvemen					11/1/2015
	Description	Qty	F	late		Amount
HMI Subsysten Modifications Master Teleme Remote Telem Remote well si Mobilization Project manag Start up, testin Miscellaneous Change Order	etry Unit ite panel modifications ement, documentation, etc. ag and training (not included in above items) #1 ork at Lake Grove #2			500.00 3,808.64 4,224.64 5,600.00 8,774.50 2,064.55 4,040.00 -2,901.23		500.00 3,808.64 0.00 0.00 4,224.64 0.00 5,600.00 8,774.50 2,064.55 0.00 4,040.00 -2,901.23
				Terms		Net 30
				Total		\$26,111.10

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd. Suite 104 Lakeland, FL 33811 888-472-2321 (office) 863-812-4490 (fax)

	//	IVOICE	Date	Invoice #
			2/2/2016	1051-50202
Bill To		3063130	h	
Lake Utility Ser	rvices, Inc.	306313D 70#162009 Rept.216614	Remit To: Scada	One, LLC
Bryan Gongre		10-162009	PO Box	
		Red Mally		rry, FL. 33860
		1. 20011		
	т,		P.O. No.	Due Date
Project:	1051 - LUSI, SCADA Improvemen			2/17/2016
	Description	Qty	Rate	Amount
HMI Subsyster	n hardware including secondary operation location	0	5,000.00	0.0
	n software including all necessary licenses	0	38,079.00	0.0
	to existing PLC equipment and panels	1	2,000.00	2,000.0
Master Teleme		· 0	4,200.00	0.0
Remote Telem		0	114,507.00	0.0
Mobilization	ite panel modifications	1	3,520.00	3,520.0
and the second se	ement, documentation, etc.	0	10,000.00	0.0
	g and training	1	2,700.00	2,700.0
	(not included in above items)	1	2,064.54	2,064.5
	ork at Lake Grove (Change Order #1)	o	5,772.00	0.0
	11 (Change Order #2)	0	4,040.40	0.0
Additional hard Order <mark>#3</mark> )	dware needed for flow meters and Q46 (Change	1	2,951.08	2,951.0
Retainage from	n previous Invoices		28,630.89	28,630.8
			Terms	Net 15
			Total	\$43,216.5

# **verizon**<sup>\lambda</sup>

Invoice Number Account Number Date Due Page

	976280920	5 942074944-00001 04/20/1	
Get Minutes Used	Get Data Used	Get Balance	
#MIN + SEND	#DATA + SEND	#BAL + SEND	
	Payments Previous Balan Payment – Thank Yo		\$779.84
	Payment Received 03		-779.84
	Total Payments		-\$779.84
	Balance Forwar	ď	\$.00
	•		х.
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			
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	l .		
	or on your payment will not be revie In Atta: Correspondence Team 20.		espondence to:
Automatic Payment Encollment for Account: 94207494	LOOOOL LITILITIES INC		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
By signing below, you authorize Verizon Wireless to electr	onically debit your bank account each month	for the total balance due on your account. days in advance of the payment. I under	The check you send will be used to stand and accept these terms. This
agreement does not alter the terms of your existing Custon withdraw your authorization you must call Verizon Wireless	. Check with your bank for any charges.	IS NOT HADRE TO FETCHEOUS DE STATEMENTS	
1. Check this box. 2. Sign name in box belo	w, as shown on the bill and date. 3	<ol><li>Return this slip with your payment. Do</li></ol>	not send a volded check.

#### 0002300100503294430107060000

## 

Mail

a mit in buy faiste harge

BRIGHT HOUSE NETWORKS P.O. BOX 30574 TAMPA, FL 33630-3574

UTILITIES INC 2425 US HIGHWAY 27 CLERMONT FL 34714-9120

7635 1410 NO RP 07 01072015 NNNNNY 01 001017 0004

P.O. BOX 30574

TAMPA, FL 33630-3574

BRIGHT HOUSE NETWORKS business solutions

032944301010715 0050329443-01

Invoice Number Account Number

brighthouse com

Paster of the second distance.

 $\{a_{1},a_{2},a_{3},a_{4}\} = \left\{ [a,a_{3}],a_{3} \right\}$ 

Consider Hosted Voice for your business. It's a cloud-based, turn-key phone system providing

Convenient Ways To Pay

Phone

Webergeran automation of which of the receptor and rules

Amount Due \$600.00

Amount Paid \$ 14

Payment Due Date 01/11/2015

# 3005955 PU# 177563 Recp6# 186105

Amount Due on Jan 11, 2015

UTILITIES INC LAKE WTILITY SLUCS.

Service Period

01/06 - 02/05

Service Address:

Account Information

2425 S US HIGHWAY 27

Account Summary

**Business Products** 

CLERMONT, FL 34714-9120

**Due Date** 

01/11/2015

\$600.00

big business capabilities without the big price tag.

Amount Due

\$600.00

Invoice Number

032944301010715

Account Number:

0050329443-01

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business solutions



**Business Support:** 

877-824-6249

Contact Us

brighthouse.com/business

Online:



3002413

PO# 171948

Recpt#181495

Ship To:

Lake Utility Services, Inc.

UTILITIES INC. OF FLORIDA

200 WEATHERSFIELD AVENUE

ATTN: BRYAN K. GONGRE

ALTAMONTE SPRINGS, FL

# Invoice

**Invoice Number** 

32714

113385

**Invoice Date** 

November 12, 2014

## Page

1

Lake Utility Services, Inc. UTILITIES INC. OF FLORIDA ATTN ACCOUNTS PAYABLE 2335 SANDERS ROAD NORTHBROOK, IL 60062

Sold To:

The Avanti Company

Customer ID UTILIT	Customer P.O. Number 171948	Payment Net 30	
Sales Rep ID	Shipping Method	Ship Date	Due Date
001	UPS GROUND	11/12/14	12/12/14

Quantity	ltem	Description		<u>Unit Price</u>	Extension
1.00 MCC I	E7000-002	MCCROMETER TRANSMITTER 4-2 OPTO ISOLATED PULSE OUTPUT, *TAG: LAKE SAUNDERS			784.00
1.00WSC	7-TR16-R	WATER SPECIALTIES INDTOT. R S/N 973453-6, *TAG: AMBER HILL	ETROFIT KIT, FOR	1,211.00	1,211.00
1.00WSC	7-TR16-R	WATER SPECIALTIES INDTOT. R S/N 20030242-8, *TAG: LAKE RIDG		1,211.00	1,211.00
1.00WSC	7-TR15-R	WATER SPECIALTIES TOTALIZER RETROFIT, FOR S/N 873163-6, *TA	TRANSMITTER,	957.00 Y	957.00
1.00WSC	7-TR15-R	WATER SPECIALTIES TOTALIZER RETROFIT, FOR S/N 911520-8, *TA HILL		957.00 NT	957.00
1.00WSC	7-TR15-R	WATER SPECIALTIES TOTALIZER RETROFIT, FOR S/N 20121345-6, * WEST		957.00	957.00
1.00WSC	7-TR16-R	WATER SPECIALTIES INDTOT. R S/N 20051449-20, *TAG: C.R. 561	ETROFIT KIT, FOR	1,211.00	1,211.00
1.00WSC	7-TR16-R	WATER SPECIALTIES IND. TOT. F	ETROFIT KIT, FOR	1,211.00	1,211.00
Custome	er Phone #:800-272	2-1919	Sı	ubtotal	Continued
Custome	er Fax 407-86	9-6961	Sale	es Tax	Continued
Provide	2014 annual resale c	ertificate to the Avanti	F	reight	Continued
Compar	ny or sales tax will be	applied on subsequent	Total Invoice A	mount	Continued
invoices	. All returns are subj	ect to 25% restocking fee.	Payment Rec	ceived	0.00
See pac	king slip for details.	Thank you.	ΤΟΤΑΙ	L DUE	Continued

For your convenience, we accept Visa, Mastercard and American Express

SPECIALIZING IN FLOW METERS & METERING SOLUTIONS 22 SOUTH LAKE AVENUE AVON PARK, FLORIDA 33825 (863) 453-5336 (800) 284-5231 FAX (863) 453-0085

The Avanti Company

Sold To:

SPECIALIZING IN FLOW METERS & METERING SOLUTIONS 22 SOUTH LAKE AVENUE AVON PARK, FLORIDA 33825 (863) 453-5336 (800) 284-5231 FAX (863) 453-0085

# Invoice

**Invoice Number** 

113385

Invoice Date

November 12, 2014

Page

\$12,288.06

2

Lake Utility Services, Inc. UTILITIES INC: OF FLORIDA	Lake Utility Services, Inc.
UTIDITIES INC. OF FLOKIDA	UTILITIES INC. OF FLORIDA
ATTN ACCOUNTS PAYABLE	200 WEATHERSFIELD AVENUE
2335 SANDERS ROAD	ATTN: BRYAN K. GONGRE
NORTHBROOK, IL 60062	ALTAMONTE SPRINGS, FL 32714

Ship To:

Customer ID	Customer P.O. Number	Payment	
UTILIT	171948	Net 30	
Sales Rep ID	Shipping Method	Ship Date	Due Date
001	UPS GROUND	11/12/14	12/12/14

uantity <u>Ite</u>	<u>m</u>	Description	Unit Price	Extension
1.00 MCC E7000	1-002	S/N 20121335-6, *TAG: ORANGES W-O MCCROMETER TRANSMITTER 4-20mA OUTPUT, W OPTO ISOLATED PULSE OUTPUT, FOR S/N 99-091 *TAG: VISTA'S W-1		784.00
1.00WSC 7-TR1	5-R	WATER SPECIALTIES TOTALIZER TRANSMITTER, RETROFIT, FOR S/N 20081876-6, *TAG: VISTA'S W-	957.00	957.00
1.00WSC 7-TR1	6-R	WATER SPECIALTIES INDTOT. RETROFIT KIT, FO S/N 20040185-8, *TAG: VISTA'S W-3		1,211.00
Customer Pho Customer Fax	one#:800−272· × 407−869·		Subtotal les Tax	11,451.00 737.06
Company or s	annual resale ce sales tax will be a		Freight Amount	100.00 12,288.06 0.00

TOTAL DUE

For your convenience, we accept Visa, Mastercard and American Express

See packing slip for details. Thank you.

The Avanti Company

SPECIALIZING IN FLOW METERS & METERING SOLUTIONS 22 SOUTH LAKE AVENUE AVON PARK, FLORIDA 33825 (863) 453-5336 (800) 284-5231 FAX (863) 453-0085

# Invoice

Invoice Number

113760

Invoice Date

January 19, 2015

## Sold To:

Ship To:

Page

1

UTILITIES INC. OF FLORIDA ATTN ACCOUNTS PAYABLE 2335 SANDERS ROAD NORTHBROOK, IL 60062 LAKE UTILITY SERVICES, INC. 2425 US HWY 27 CLERMONT, FL 34714

Customer ID	Customer P.O. Number	Payment	
UTILIT	BRYANG	Net 30	
Sales Rep ID	Shipping Method	Ship Date	Due Date
001	UPS	1/15/15	2/18/15

Quantity Item	Description	Unit Price	Extension
Quantity Item 1.00WSC 7-TR16-R	WATER SPECIALTIES INDTOT. RETROFIT KIT F S/N 20053485. NEW S/N E15-00166	1	1,211.00
Customer Phone #:800-272 Customer Fax 407-869 Provide 2015 annual resale cer Company or sales tax will be a invoices. All returns are subject See packing slip for details.	- 6961 S rtificate to the Avanti pplied on subsequent Total Invoice ct to 25% restocking fee. Payment		1,211.00 84.77 32.65 1,328.42 0.00 \$1,328.42

For your convenience, we accept Visa, Mastercard and American Express

# AVANTI COMPANY, INC., (THE)

22 SOUTH LAKE AVENUE AVON PARK, FL 33825-3902

# INVOICE

Invoice Number:114224Invoice Date:Mar 26, 2015Page:1Duplicate

Voice: (863) 453-5336 Fax: (863) 453-0085

## Bill To:

UTILITIES INC. OF FLORIDA Lake Utility Services, Inc. ATTN ACCOUNTS PAYABLE 2335 SANDERS ROAD NORTHBROOK, IL 60062 Ship to:

UTILITIES INC. OF FLORIDA Lake Utility Services, Inc. 200 WEATHERSFIELD AVENUE ATTN: BRYAN K. GONGRE ALTAMONTE SPRINGS, FL 32714

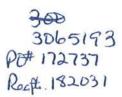
015	SC ON-SITE	3/26/15	4/25/15
Sales Rep ID	Shipping Method	Ship Date	Due Date
 UTILIT	171948	Net 30 Days	
Customer ID	Customer PO	Paymen	Terms

Quantity	Item	Description	Unit Price	Amount
Contraction of the second second	AVA INSTALL/START-UP	INSTALLATION OF TRANSMITTERS ON EXISTING FLOW METERS *LAKE SAUNDERS, AMBER HILL, LAKE RIDGE, CRESCENT BAY, CRESCENT HILL, CRESCENT WEST, ORANGES W-O, VISTA'S W-2, VISTA'S W-3 *C.R 561 WAS ALREADY FITTED WITH A TRANSMITTER, VISTA'S W-1 REQUIRES ADDITIONAL PARTS, FOUND BROKEN	125.00	1,125.00
		Subtotal	1,125.00	
		Sales Tax		
		Total Invoice Amount		1,125.00
Check/Credit Merno No:		Payment/Credit Applied		
		TOTAL		1,125.00

	ive Metering Solu	itions, Inc.	302	7058		Invoice
Odacas	Merchant Ave. , FL 33556		PO# 171 Recp6# 1	652	Date	Invoice #
5010110NS Ph: 72	27.375.9701		Keepb* 1	81211	11/11/20	14 5774
Bill To Utilities, Inc Accounts Payable 2335 Sanders Roa Northbrook, IL 606	ad			2425 US Clermon	To lity Services, Inc. 5 Hwy 27 It, FL 34714 nuck Schwades	
PO #	IMS Que	ote # Rep	Ship	Via	F.O.B.	Terms
PO# 171652	SRC	SRC	11/11/2014	UPS	Odessa, FL	Net 30
Quantity		Desc	ription		Price Each	Amount
	and pulse output) UPS Shipping / har Lake County Sales State of Florida Ge	Tax Surcharg	ge on \$5000, 1% ax - 6%		25.00 25.75 6.00%	25.00 25.75 154.50
Thank you for you address. Please s conditions.	r business. Ple see our website	ase remit for payme	payment to the the tothe tothe the the term of ter	ne above terms and	Total	\$2,755.25

www.inmetering.com

877 W Minneola Ave. 121106 Clermont FL 34712



# Invoice

Date	Invoice #
11/19/2014	1140A

Bill To	
Lake Utility Services, Inc.	
2335 Sanders Road	
Northbrook, IL 60062	

				F	P.O. No.	Т	erms	Pro	oject
						N	let 15	L	USI
Item	Description	Est Amt	Prior Amt	Prior %	Qty	Rate	Curr %	Total %	Amoun
Service	Cressant Bay WTP Remove Cl17 and install The Chlorine Monitor Q46H-62/63 re connect the chlorine monitor to the existing controls and alarms by extending the carflex from the junction box. Connect and configure the Q46H-62/63 to the Well control lockout	360.00				45.00	100.00%	100.00%	360.00
						Subtota	I		\$360.00
Pay onli	ne at: https://ipn.intuit.con	/fhhr2shi	b			Sales Ta	ax (7.0%	6)	\$0.00
						Total			\$360.00
						Paymen	ts/Cred	its	\$0.00
						Balan	ce Du	е	\$360.00

877 W Minneola Ave. 121106 Clermont FL 34712 352-989-4200

	Invoice		
Date	Invoice #		
12/27/2014	1183A		

Bill To

VISTAS WTP 2335 Sanders Road Northbrook, IL 60062

# 3065193 PD 172737 Reeft. 185220

P.O. Number	B.U. Number	Account #	VIS	Location	
ltem	Description		Qty	Rate	Amount
Reco	stas WTP emove CI17 and install The Chlorir nnect the chlorine monitor to the arms by extending the carflex from	ne Monitor Q46H-62/63 r existing controls and	1	250.00	250.00

Subtotal	\$250.00
Sales Tax (7.0%)	\$0.00
Total	\$250.00

3065193 PO# 172737 Repl# 185613

877 W Minneola Ave. 121106 Clermont FL 34712 352-989-4200

Invoice
Invoice #
1191A

Bill To

Lake Utility Services, Inc. 2335 Sanders Road Northbrook, IL 60062

P.O. #	B.U. #	Account #	JOB #		Lo	ocation	
					Lake	Groves	
Item		Descript	ion		Qty	Rate	Amount
Service	connect the ch alarms by exte 4-20 ma signa	and install The Chl lorine monitor to th ending the carflex fr I cablemay just be I hal fee will be requir	e existing contr om the junction long enough to r	rols and box. The econnect. if		250.00	250.00

All work complete 1/6/15

Subtotal	\$250.00
Sales Tax (7.0%)	\$0.00
Total	\$250.00

877 W Minneola Ave. 121106 Clermont FL 34712

# Estimate

Date	Estimate #
11/4/2014	1405

## Name / Address

Lake Utility Services, Inc. 2335 Sanders Road Northbrook, IL 60062

			Project
			LUSI
Description	Qty	Rate	Total
Lake Louisa WTP Remove Cl17 and install The Chlorine Monitor Q46H-62/63 re connect the chlorine monitor to the existing controls and alarms by extending the carflex from the junction box.		250.00	250.00
		Total	\$250.00

305

3065193 PD 178084 Recpt. 186606

877 W Minneola Ave. 121106 Clermont FL 34712 352-989-4200

	Invoice
Date	Invoice #
1/17/2015	1215A

Bill To

Lake Utility Services, Inc. 2335 Sanders Road Northbrook, IL 60062

## P.O. # B.U. # Account # JOB # Location LAKE RIDGE WTP J15012 Item Description Qty Rate Amount Service Install 3 shielded cables from Lake Ridge WTP to Amber Hill 45.00 8 360.00 WTP (CL2, PSI, Totalizer,) using the existing conduit as per instructed. Material Materials 486.00 486.00 Note: Pulled a total of 6 pairs of shielded wire and left 2 spare 14awg stranded

All work complete

 Subtotal
 \$846.00

 Sales Tax (7.0%)
 \$0.00

 Total
 \$846.00

877 W Minneola Ave. 121106 Clermont FL 34712 352-989-4200

# Invoice

 Date
 Invoice #

 2/10/2015
 1228A

Bill To

Supplier 3065193 PO 172737 Recpt 188404

Lake Utility Services, Inc. 2335 Sanders Road Northbrook, IL 60062

P.O. #	B.U. #	Account #	JOB #		Loc	cation	
			J15048	Vistas WTP Totalizers			
Item		Descripti	on		Qty	Rate	Amount
Service	1,2 and 3	nstall Totalizer 4/18 a n boxes on well #1 ai	(F)		1	400.00	400.00
	conduits( limi and removed box., from the on wells 1&2	t switches are unuse on #2), trench from e junction boxes trend and splice to Totalize r pull a 4 wire 18awg	d on 1 well #3 to well # ch to the Totalize er installed by cu	1 junction er locations istomer. for			
Materials	Miscellaneou	s materials				200.00	200.00

All work complete

Subtotal	\$600.00
Sales Tax (7.0%)	\$0.00
Total	\$600.00

877 W Minneola Ave. 121106 Clermont FL 34712 352-989-4200

# Invoice

Date	Invoice #
1/22/2015	1217A

Bill To

Lake Utility Services, Inc. 2335 Sanders Road Northbrook, IL 60062

P.O. #	B.U. #	Account #	JOB #	Lo	ocation	
			J15007	Badger me	ter upgrades	
Item		Descripti	on	Qty	Rate	Amount
Service	version at Cl WTP. The work con discretion, in Badger mete	ronic badger meters E ermont I WTP, Clerm nsist of mounting Cor stalling conduits from ers a 4/18 awg wire sh rovide a optional scal it.	ont II WTP and 4 la ntroller at operators the controllers to th nielded cable will be	kes e	465.00	465.00

All work complete

Subtotal	\$465.00
Sales Tax (7.0%)	\$0.00
Total	\$465.00



877 W Minneola Ave. 121106 Clermont FL 34712

Bill To

Lake Utilities Services, Inc 2335 Sanders Road Northbrook, IL 60062

352-989-4200

3065193 PO#201152 Recpt. 210415

Date

11/14/2015

Invoice

Invoice #

1555A

P.O. #	B.U, #	Account #	JOB #	Location			
			J15359		Crescent H	lills WTP	
Item		Descripti	on		Qty	Rate	Amount
Service	Run 250' of s Hills to Cresc the fence to g Pull 4 wire sh	nt Hills WTP, Cresce chedule 40 PVC con ent West and tie into iet into the control pa ielded 18awg analog escent Hills WTP to st WTP.	duit from Lake C existing conduit nel and the junc	ts outside of tion box.	250	5.00	1,250.00
Material	Belden 5302F conductor, 18	E 008500 shielded AWG, 300V	multiconductor c	cable, 4	1	250.00	250.00
Material		niscellaneous materi included replacing a be removed.		edges that	1	140.00	140.00
				Sul	btotal		\$1,640.00
				Sal	es Tax (7.	0%)	\$0.00
ohn@ipscfl.	com				dits		\$0.00

**Balance Due** \$1,640.00 3608021 PO# 174348 Reyt# 182748

# Controls, Inc.

# Bill To:

Utilities, Inc. Attention: Accounts Payable 2335 Sanders Road Northbrook, IL 60062

# Invoice

Date	Invoice #		
11/24/2014	14-1082		

## Ship To:

Lake Utility Services, Inc. Attention: Accounts Payable 2335 Sanders Road Northbrook, IL 60062

P.O. N	lumber	Terms		Pro	oject
??	???	NET 30 Days		14-	-041
Qty.	Item Code		Description	Price Each	Amount
	Biz Unit #	?????		0.00	0.001
	Job ID	Lake Groves W		0.00	0.001
4.5	Travel		rvice Call Travel to/from Job Site	250.00	1,125.001
295	Mileage	Mileage to/from		0.55	162.251
1.5	On-Site		rvice Call On-Site time to re-load programs on PLC ge IP addresses for SCADAOne, Test, and Confirm on	250.00	375.001
1	Expenses		for After-Hours Emergency Service Call	83.42	83.421
	2	Sales Tax	с ,	7.00%	122.20
kW Co	remit to: ontrols, Inc. orporation W	ay		Total	\$1,867.8

Suite B Venice, FL 34285

RECEIVED JAN 0 8 2015

Supplion 3008021 PD# 172304 Reupt# 185700

# Invoice

Date	Invoice #
1/5/2015	15-1003

## Bill To:

Utilities, Inc. Lake Utility Services, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

Controls, Inc.

# Ship To:

Lake Utility Services, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

P.O. N	lumber	Terms		Pro	oject
172	304 N	ET 30 Days		14	-041
Qty.	Item Code		Description	Price Each	Amount
0.5	Job ID Draw	Vistas WTP, of completion of	gnals to Lake Utilities Systems completion of addition of Analog Input Module, installation of new analyzer for distribution chlorine, erature. Programming of PLC and HMI and testing of	0.00 3,750.00	0.001 1,875.001
0.75	Draw	Lake Louisa E Module, comp	Booster, completion of addition of Analog Input bletion of installation of new analyzer for distribution and temperature. Programming of PLC and HMI and	5,420.00	4,065.001
1	Complete	Lake Groves	WTP, completion of flow rate and totalization of two ers, Programming of PLC and HMI and testing of	1,625.00	1,625.00
		Sales Tax		7.00%	415.80
W Co	remit to: ntrols, Inc.			Total	\$7,980.80
115 Co Suite B	rporation Wa	У	l		

Venice, FL 34285

	3008021
trols, Inc.	PO# 172304
mons, me.	Reeps 186662

# Invoice

 Date
 Invoice #

 1/19/2015
 15-1005

Bill To:

Utilities, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

or

## Ship To:

Lake Utility Services, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

P.O. N	lumber		Terms		Pro	oject
172304 NET 30 Days		ET 30 Days		14-	-041	
Qty.	Item Co	ode		Description	Price Each	Amount
0.25	Job II Comple		0.00 5,420.00	0.001 1,355.001		
1	Comple	ete	distribution pl	completion of installation of new conductors for 4 and temperature to chlorine signal. Programming MI and testing of signal accuracy.	1,540.00	1,540.00
	remit to:				Total	\$2.080.0c
115 Co	ntrols, Inc rporation				Total	\$2,989.85
Suite B Venice	, FL 3428	85			RECEN	V L D

JAN 2 3 2015



Bill To:

Utilities, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714 RECEIVED MAR 06 2015

# Invoice

Date	Invoice #
3/4/2015	15-1012

- · ·	-	-
Shi	n	0.
Ulli	μι	υ.

Lake Utility Services, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

P.O. N	P.O. Number Terms							Pro	oject
Verbal-Domenic NET 30 Days					14-041				
Qty.	Item Co	de			Descripti	on		Price Each	Amount
1	Job ID Comple	te Aderate		lization us		Project sulations based on r	new flow	0.00 1,370.00 7.00%	0.00T 1,370.00 0.00
kW Co 115 Co Suite E	remit to: ontrols, Incorporation 3 2, FL 3428	c. Way		V)	Supplier PU# Recpt	3008021 172304 189663		Total	\$1,370.00

200 8021 Pot 172304 VControls, Inc. Realt 194774

# Invoice

Date	Invoice #
5/6/2015	15-1030

Bill To:

Utilities, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

## Ship To:

Lake Utility Services, Inc. Attention: Bryan Gongre 200 Weathersfield Avenue Altamonte Springs, FL 32714

P.O. N	lumber	Terms		Pro	oject
172304 NET 30 Days		ET 30 Days		14	-041
Qty.	Item Code		Description	Price Each	Amount
0.5	Job ID Complete Tax	Vistas WTP,	CADA signals for Lake Utilities Systems completion of flow rate and totalization of (3) well programming of PLC and testing of signal accuracy x due	0.00 3,750.00 127.05 7.00%	0.00T 1,875.00 127.05 0.00
kW Co	remit to: ontrols, Inc.			Total	\$2,002.05
Suite E	orporation Wa 3 e, FL 34285	y	2102 8 0 YAM		

RECEIVED

North Lake Electric Inc.

300-1 Richey Rd Leesburg, FL 34748

# Supplion 3057925 PO# 17233 Reaph 185801

# Invoice

Date	Invoice #
12/22/2014	374

Bill To	
Sanlando Utilities Corporation 200 Weathersfield Ave. Altamonte Springs, FL 32714	

				P	2.O. No.	Т	erms	Pr	oject
Item	Description	Est Amt	Prior Amt	Prior %	Qty	Rate	Curr %	Total %	Amoun
6 labor	9 pressure transmitters Rosemont 2088	19,665.00			0.84556	***	84.56%	84.56%	16,628.00
hank you	for your business.					Fotal Payments	s/Credit		\$0.00

North Lake Electric Inc.

300-1 Richey Rd Leesburg, FL 34748

#### Bill To

Sanlando Utilities Corporation LAKE WILLITY SERVICES, INC 200 Weathersfield Ave. Altamonte Springs, FL 32714

Invoice #
398

Suppler	3057925
PO	177233
Recpt.	192078

				F	P.O. No.	Te	erms	Pr	oject
Item	Description	Est Amt	Prior Amt	Prior %	Qty	Rate	Curr %	Total %	Amount
16 labor	install 9 pressure transmitters Rosemont 2088	19,665.00	16,628.00	84.56%	0.1544	4	15.44%	100.00%	3,037.00
						Total Payment	s/Crodi	te	\$3,037.00
						Balanc			\$0.00

# Invoice



Invoice 210474

Invoice Date 10/24/14

Odyssey Manufacturing Company 1484 Massaro Blvd. Tampa, FL 33619

#### Telephone: 813/635-0339

Bill To:

Lake Groves Utilities, Inc. Attn: Accounts Payable 2335 Sanders Road Northbrook, IL 60062 Supplier 3004892 PO# 171696 Recpt# 180604

#### Ship To:

Lake Groves Water Plant Phone:352-242-6573 2425 US Hwy 27 Clermont, FL 34711

Customer	Ship V	'ia	F	.O.B.		Ter	
LGU01	Odyssey	Mfg.	Des	tination		Net 30	Days
	Purchase C	rder Number		Salesperson	Order Date	0	ur Order Number
	BU2511	)2/171696			10/24/14		
Quantity Ordered	Quantity Shipped	Item Number		Unit of Measure	Unit Price		Extended Price
Quantity Ordered	Back Ordered	Item Description	n		Discount %		· · · · · · · · · · · · · · · · · · ·
2		PARTS ORP Analyzer	r	GAL	91	75.000 Y	1950.00
				Taxa	taxable Subtotal able Subtotal (7.000%)		0.0 1950.0 136.5
				Tota	al Invoice	F	2086.5

# 3067789 PD#172302 Bapt#183436



Volition Controls Corp.

333 N. Falkenburg Rd. Unit A-113 Tampa, FL 33619 Phone #: 801-842-2898 Sales@VolitionCC.com www.VolitionCC.com Invoice

Invoice #

14-10038

Date Due Date

12/8/2014 1/7/2015

140020

Sales Order No:

www.Volit

Purchase Order Project / Job Payment Terms Ship(ped) Date Ship Via 172302 Net 30 11/25/2014 ALLOWED **Bill To** Ship To Utilities, Inc. Lake Utilities Service, Inc. Accounts Payable Attn: Domenic Gentilucci 2335 Sanders Rd. 2425 US Highway 27 Northbrook, IL 60062 Clermont, FL 34714 T: 321-388-7895

	Description	Quantity	U/M	Unit Price	S.O. No.	Total Amount
	*** *** *** *** SEND INVOICE TO Bryan Gongre BKGongre@UIWater.com *** *** *** ***					
Chlorine, Free	U.P.S. Tracking #: 1Z6782E50357153825 Residual Chlorine Monitor, Q46H-62 Part #: Q46H-62-1-1-2-1-2-2 Free Chlorine System - 85265 VAC Power Requirement - Sensor with constant head flowcell & 25 Ft. cable - Q22 pH Sensor - One Additional 420mA Output - Panel with flow controls, without flow switch	3	ea	3,624.30	140020	10,872.90T
Polarizer, Free	Polarizer, Free Chlorine, Flow Cell Style Part #: 00-0570	1	ea	150.00	140020	150.00T
Sensor, Free C	Free Chlorine Sensor, Flow Cell Style Part #: 00-0066	1	ea	650.00	140020	650.00T

Thank you for your business.	Sales Tax	\$817.10
Please remit to Address Above. All past due balances are subject to 1.5% interest per month. Volition Controls Corp. standard terms and conditions are the final documents pertaining to this order. No other agreements will apply to this invoice unless agreed to in writing via authorized signature after the date of acknowledgement. A copy of terms are available upon request.	TOTAL:	\$12,490.00
dentovicegement. A copy of terms are available upon request.	Balance Due	\$12,490.00



P0 B0X 4001 ACWORTH, GA 30101

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/our Account		Accou	nt
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Manage Your AccountAccount NumberDate Duewww.vzw.com/mybusinessaccount942074944-0000104/20/16Change your address at<br/>http://sso.verizonenterprise.comInvoice Number9762809205

0003716 01 MB 0.436 \*\*AUTO H6 0 2395 60062-619635 -C21-P03719-I1

## ╺┎<u>╔</u>╋┫┸╛┰┰┇┍<mark>╋╗╔</mark>┫╄┫╗╻╔╝╝╎╗╔╢╗╔╔╗

UTILITIES INC 2335 SANDERS RD NORTHBROOK, IL 60062-6196



Quick	Bill	Summary	
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Feb 26 - Mar 25

Previous Balance (see back for details)	\$779.84
Payment Thank You	\$779.84
Balance Forward	\$.00
Monthly Charges	\$160.00
Usage and Purchase Charges	
Messaging	\$4.80
Data	\$3,542.02
Verizon Wireless' Surcharges	· · ·
and Other Charges & Credits	\$9.92
Taxes, Governmental Surcharges & Fees	\$22.66
Total Current Charges	\$3,739.40

Batc

Doc

#### Total Charges Due by April 20, 2016

\$3,739.40

27105.5945

RECEIVED APR - 4 2016

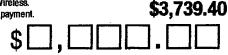
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Pay from phone	Pay on the Web	Questions:
#PMT (#768)	At vzw.com/mypusinessaccount	1.800.922.0204 or 1611 from your phone
		المراجع المراجع المراجع المراجع
verizor		Bill Date March 25, 2016
······································		Account Number 942074944-00001
		Invoice Number 9762809205
UTILITIES INC		

2335 SANDERS RD NORTHBROOK, IL 60062-6108

# Total Amount Due by April 20, 2016

Make check payable to Verizon Wireless. Please return this remit slip with payment.



P.O. BOX 25505 LEHIGH VALLEY, PA 18002-5505

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## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-8**

#### OF

## PATRICK C. FLYNN

#### on behalf of

## Utilities, Inc. of Florida



#### ADD-CHANGE FORM

Poguastad hu		New Project	Assigned Project	#: 2015175
Requested by:	Bryan K. Gong Project Manager / A	and because our part of the second	Date	: 10/30/2015
Project Name:	LUSI TTHM/H	AA5 Study		
Company:	251	Lake Utility Services Inc		
Business Unit:	251106	LUSI North		
Project Owner:	Bryan K. Gong	ire	BU Type:	WP ·
Project Manager:	Bryan K. Gong	ire	Budget Owner / RVP:	John Hoy
Start Date:	11/9/2015	Q4 2015	Region:	Florida
Estimated End Date:	3/30/2016	Q1 2016	State:	FL
Project Type:	EH&S Co	mpliance		
Will project replace/reti	re any assets:	No		
Previously Requested:	\$0			
This Request:	\$79,250	The second second second		
Still to be Requested:				
Formation potential testing o	f each of the eight we	ells in LUSI North and the three wells sic TTHM formation curve. The same	in LUSI South. The samples v	vill be evaluated at HAA5 formation
Formation potential testing o ree intervals (8hr, 48hr, and 9 otential. Update the hydraulic WaterC eveloped to determine the cor Provide for additional sampli THM/HAA levels by well blend Investigation of the options a duction. This will include pre	D6hr) to develop a bas CAD model of the LUS rrelation between the ng for the wells that h ding, or if additional tr ivailable will be provid	sic TTHM formation curve. The samp SI service area to evaluate the water existing sampling points and the more have an increased formation potentia	eles will also be evaluated for h age within the system. The wa deled water age. I to determine if we can sufficie for a long term solution for TT	HAA5 formation ater age will be ently lower the HM/HAA
Formation potential testing o pree intervals (8hr, 48hr, and 9 potential. Update the hydraulic WaterC eveloped to determine the cor Provide for additional sampli THM/HAA levels by well blenc Investigation of the options a eduction. This will include pre- ternative. <b>imeline Considerations:</b> USI North exceeded the Stage le Utility is required to provide lowed limits. FDEP has not y	96hr) to develop a bas CAD model of the LUS relation between the ng for the wells that h ding, or if additional tr ivailable will be provid liminary cost estimate e 2 LRAA for TTHM a a quarterly Public No et notified the Utility of	sic TTHM formation curve. The samp SI service area to evaluate the water existing sampling points and the more have an increased formation potentia reatment will be necessary. ded to determine an effective means	eles will also be evaluated for H age within the system. The wa deled water age. I to determine if we can sufficient for a long term solution for TTI into a decision matrix to evaluate out a decision matrix to evaluate suffer of testing. FDEP has bee e until the LRAA falls below the	HAA5 formation ater age will be ently lower the HM/HAA ate the best n consulted and e maximum
imeline Considerations: USI North exceeded the Stage	96hr) to develop a bas CAD model of the LUS relation between the ng for the wells that h ding, or if additional tr ivailable will be provid liminary cost estimate e 2 LRAA for TTHM a a quarterly Public No et notified the Utility of	sic TTHM formation curve. The samp SI service area to evaluate the water existing sampling points and the more have an increased formation potential eatment will be necessary. ded to determine an effective means as for the various options developed and HAA5 during the most recent qua- brice to the LUSI North customer bas of any enforcement action; however,	eles will also be evaluated for H age within the system. The wa deled water age. I to determine if we can sufficient for a long term solution for TTI into a decision matrix to evaluate out a decision matrix to evaluate suffer of testing. FDEP has bee e until the LRAA falls below the	HAA5 formation ater age will be ently lower the HM/HAA ate the best n consulted and e maximum



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The LUSI North and South systems had challenges meeting the Stage 1 TTHM/HAA5 limits over the last several years and even greater challenges meeting the more stringent Stage 2 rule. For this reason, the Utility commissioned an engineering study in 2014 to gain some insight as to what may have been the cause contributing to elevated HAA levels in LUSI North. The sampling regimin used to perform this analysis was limited to a single event using UV-254 analysis method to identify levels of dissolved organic carbon present in the water supply. This method is impacted by the subjective interpretation of the sample by the analyst. Results of this UV-254 analysis, the analysis of chlorine dosing rates, gallons pumped from each well and operational strategies in use at the time were evaluated to determine the means by which HAA formation could be reduced or eliminated. The recommendations resulting from this evaluation indicated that bi-directional flushing in high HAA areas of the system could accomplish a reduction prior to implementing a more costly or complicated solution such as the use of Chloramines, GAC, Ion Exchange or RO. Flushing of the high HAA areas was put into place and quarterly testing results for TTHM/HAA5 remained under the maximum permissible LRAA until the most recent guarterly anlysis that exceeeded the LRAA for both TTHM and HAA5 in LUSI North requiring a Public Notice to be issued. The Utility reached back out to our engineers to develop a more comprehensive evaluation using TTHM/HAA formation potential testing to discern which of the 11 water supply wells are contributing to the problem and to develop a plan to address those locations, either operationally or by additional treatment. The first round of testing will be used as a basis to conduct further testing at the locations that indicate the greatest formation potential to narrow down what may be required and where to address the problem. By targeting the specific contributing sources, an effective solution can be implemented using the most cost effective approach.

#### **Risk Evaluation**

By performing a thorough analysis of the supply, the Utility will be in a position to justify the capital expenditure required to rectify the TTHM/HAA5 exceedance and prevent significant enforcement action by the regulatory agencies. Failure to act will result in the Utility remaining to be out of compliance.

#### **Alternatives Considered:**

Bi-directional flushing was successfully implemented in the intial stages, particularly in the cooler times of the year when formation potential is less likley due to lower water temperature. However, the seasonal high temperatures are lasting longer throughout the year and have been altogether higher on average accelerating TTHM/HAA5 formation. This, in turn, decreases flushing effectiveness. Chloramine disinfection is a known cost effective solution to the formation of DBP's but must be implemented throughout the entire service area and historcally leads to significant water quality issues and increased flushing frequency and duration that will conflict with Consumptive Use Permit limits. The results of this proposed study will explore other viable options at the appropriate locations.

#### **Technical Review Summary:**

Project was discussed by the CPRT on 11/5/15. No comments were discussed that require adjustments or modifications.



Financial and Regulatory Implications

Project Spend in Current Plan Variance CAC Collected Net Rate Base D3M Cost Impact B(W) Tinancial Justification EH&S Compliance Estimated Revenue Impact per Customer: Number of Customers Impacted: Utility Financial Impact D4M Impact on EBITDA B(W) Depreciation Impact on EBIT B(W) Net EBIT Impact B(W)	Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Variance CIAC Collected Ver Rate Base         (f applicable)           Ver Rate Base         19,250         10,250	Proposed Project Spend	79,250					
CIAC Collected Net Rate Base       19,250       79,250		(79.250)		-			
Set Rate Base         79,250         79,250         79,250         79,250           OSM Cost Impact B/(W)	CIAC Collected	(10,200)					(if applicable)
Enancial Justification         EH8S Compliance         Estimated Revenue Impact per Customer: Number of Customers Impacted:         Litility Financial Impact Depreciation Impact on EBIT DK(W) Duffer-recovery on capital B/(W)         Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W)         Vertice Term and Supporting Information on Rate Recovery         Timing and Supporting Information on Rate Recovery         Consolidated Rate Case to be filed in 2nd Qtr of 2016.         Regulatory Plan Implications		79,250	79,250	79,250	79,250	79,250	
EHASS Compliance         EHASS Compliance         Estimated Revenue Impact per Customer: Number of Customers Impacted: <ul> <li> <u>11,000</u></li> <u>11,000</u> <u>11,000</u></ul>	0&M Cost Impact B/(W)		T	1			
Served Rate Payers         Served Rate Payers         (1)         (1)         Number of Customers Impacted:         Vr 1       Yr 2       Yr 3       Yr 4       Yr 5         O&M Impact on EBITDA B/(W)         Vr 1       Yr 2       Yr 3       Yr 4       Yr 5         O&M Impact on EBITDA B/(W)         Depression (1,981)       (1,982)       (1,981)       (1,982)       (1,982)       (1,982)       (1,982)       (1,982)       (1,982)       (1,982)       (1,982)       (1,982)       (1,972)       (7,603)	Oolin Cost inipact B/(w)		Sec. State		S. (91 10930)		
Served       Rate Payers         Sumber of Customers Impacted:       11,000         Utility Financial Impact       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         SAM Impact on EBITDA B(W)       1300       1,9811       (1,9811)       (1,981)       (1,981)         Upder-recovery on capital B/(W)       1(1,480)       (5,770)       (5,622)       (5,473)       (5,325)         Vet EBIT Impact B/(W)       1(1,810)       (7,752)       (7,603)       (7,454)       (7,306)         Triming and Supporting Information on Rate Recovery       Consolidated Rate Case to be filed in 2nd Qtr of 2016.       Regulatory Plan Implications		A She wanted		Section 11	Carle I	15-34-5	
Estimated Revenue Impact per Customer: Number of Customers Impacted: <ul> <li></li></ul>	-H&S Compliance						
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Company Kimley Horn & Asso	ciates, Inc.		Amount \$56,750	Selected Yes
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	Amount			
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	22,500.00			
	79,250.00			
project will be clo	osed:	1160	select from dro select from dro select from dro select from dro	opdown list opdown list opdown list
			Go to Refe	erence List
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	he initial 2014 study	22,500.00 79,250.00 project will be closed:	22,500.00 79,250.00 project will be closed: 1160 he initial 2014 study and the proposed 2015 study that in	22,500.00



Approvals

Review Completed by	Nate Carver	Date:	11/5/2015	
Does project align with utility pl. Comments			es  ∕ No  □	
Technical Peer Review				
Review Sponsored by	Patrick Flynn	Date Held	11/5/2015	
Approval to proceed Comments (note if feedback re-	Yes No	n		
FP&A Review				
Review Completed by Does Project comply with curre Comments	Christie Kincaid nt Utility Rate and Regulatory	Date: Plan? Yo	11/9/2015 es 🗹 No 🗌	
Approvals				Applicable?
	Bryan K. Gongre	Date:	11/5/2015	Applicable?
Regional Manager:	Bryan K. Gongre Patrick Flynn	Date: Date:	11/5/2015 11/10/2015	
<b>Approvals</b> Regional Manager: VP Operations: President:				
Regional Manager: VP Operations:	Patrick Flynn John Hoy	Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	
Regional Manager: VP Operations: President:	Patrick Flynn John Hoy	Date: Date:	11/10/2015	



December 9, 2013

1117 East Robinson Street Orlando, Florida 32801

> Phone: 407.425.0452 Fax: 407.648.1036

www.cphengineers.com

Mr. Bryan Gongre Regional Manager Lake Utility Services, Inc. 200 Weathersfield Ave Altamonte Springs, FL 32714

#### RE: LUSI HAA Study Proposal

Mr. Gongre:

Thank you for the opportunity to present this proposal to perform a study to investigate the causes of the elevated Halo-Acetic Acid (HAA) levels in the LUSI North system. Based on our discussions and the existing data provided, there have been HAA exceedances in the Northeastern portion of the service area near the Clermont I and II water plants as well as in Louisa Point near the Lake Louisa water plant. In order to complete this project we will perform the following tasks:

- 1. Perform a desktop analysis of the historic HAA sampling data;
- Perform targeted UV 254 sampling to determine the levels of organics in portions of the system with recorded high levels of HAA's:
- Use the data from the UV 254 sampling to develop a more detailed sampling plan to locate the source of the HAA's;
- Investigate operational strategies that could reduce the HAA levels in the system;
- Investigate capital improvements that can remove the constituents that contribute to the formation of HAA's in the system;
- Provide a summary report detail the options for lowering the HAA levels to within Regulatory limits.

No design or permitting services are including in the contract.

#### Payment

The engineering fee for the services, described herein is estimated to be \$22,500.00, including out of pocket expenses.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us and initial as indicated on Exhibit A.

If you have any questions please call me.

Sincerely, CPH, INC. N

Stephen N. Romano, P.E. Vice President/Associate

ACCEPTED BY: LAKE UTILITY SERVICES, INC.

· Dryal. D

Date: 12/9/13



Invoice

Architects Environmental M/E/P Surveyors

Engineers Landscape Architects Planners Transportation/Traffic 500 West Fulton Street Sanford, FL 32771 Phone: 407.322.6841 Fax: 407.330.0639

# 3002421 PO152798 Repo# 160508

Bryan Gongre Lake Utility Services, Inc. 200 Wethersfield Ave. Altamonte Springs, FL 32714 February 06, 2014 Project No: Invoice No: 87000

U07137

Investigate Elevated Halo-Acetic Acid (HAA) levels in the LUSI North system. Professional Services through January 12, 2014 Fee

Total Fee	22,500.00			
Percent Complete	17.4444	Total Earned	3,924.99	
		Previous Fee Billing	0.00	
		Current Fee Billing	3,924.99	
		Total Fee		3,924.99
			Total this Invoice	\$3,924.99

Services provided this period include:

- Planning and initial prep for water quality sampling and analysis.

CPH, Inc.

April Them

RECEIVED FEB 12 2014

www.cphcorp.com

500 West Fulton Street Architects Engineers Sanford, FL 32771 Environmental Landscape Architects Phone: 407.322.6841 M/E/P Planners Fax: 407.330.0639 Transportation/Traffic Surveyors Batch\_/ 176772 3002421 Invoice 588413 Doc 154464 162149 February 28, 2014 Bryan Gongre Project No: U07137 Lake Utility Services, Inc. 200 Wethersfield Ave. Invoice No: 87344 Altamonte Springs, FL 32714 Investigate Elevated Halo-Acetic Acid (HAA) levels in the LUSI North system. Professional Services through February 09, 2014 Fee 22,500.00 **Total Fee** 5,375.00 Percent Complete 23.8889 Total Earned **Previous Fee Billing** 3,924.99 **Current Fee Billing** 1,450.01 1,450.01 **Total Fee Total this Invoice** \$1,450.01 Services provided this period include: - Well sampling coordination and preparation.

CPH, Inc.

Park Ann

RECEIVED

MAR 1 7 2014

RECEIVED MAR 10 2014



## Invoice

Bryan Gongre

# 3002421 PD 156978 Nacpt, 164741

Sanford, FL 32771
Phone: 407.322.6841

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APD .

Lake Utility Services, Inc.			Droject Ne:	1107407	APR 1 1 2011
200 Wethersfield Ave.			Project No:	U07137	APR 1 1 2014
			Invoice No:	87909	
Altamonte Springs, FL 32714					
Investigate Elevated Halo-Acetic	Acid (HAA) levels in th	ne LUSI North system.			
Professional Services through		······································			
Fee					
Total Fee	22,500.00				
Percent Complete	68.4376	Total Earned		15,398.46	
		Previous Fee Billing		5,375.00	
		Current Fee Billing		10,023.46	
		Total Fee			10,023.46

10,023.46

Total this Invoice

April 07, 2014

\$10,023.46

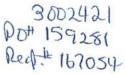
Services provided this period include: - HAA draft report and evaluation of additional testing.

fill the



> RECEIVED MAY 12 2014

Invoice



Bryan Gongre Lake Utility Services, Inc. 200 Wethersfield Ave. Altamonte Springs, FL 32714

Investigate Elevated Halo-Acetic Acid (HAA) levels in the LUSI North system. Professional Services through April 13, 2014 Fee

Total Fee

Percent Complete

22,500.00	8	
92.8821	Total Earned	20,898.47
	Previous Fee Billing	15,398.46
	Current Fee Billing	5,500.01
	Total Fee	

Total this Invoice

April 30, 2014

U07137

88230

Project No:

Invoice No:

5,500.01

\$5,500.01

Services provided this period include:

- HAA study and sampling procedure evaluation.

Mal In

October 22, 2015

Mr. Bryan Gongre Regional Manager Lake Utility Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714

Re: LUSI TTHM/HAA5 Analysis Proposal

Bryan:

Kimley-Horn is pleased to submit this letter agreement to Lake Utility Services, Inc. for providing professional engineering services associated with the water quality analysis in the LUSI north and south service areas.

#### Project Understanding

It is our understanding that there have been TTHM/HAA5 exceedances in both of these areas, however, there has been no positive identification of the source. There are eight (8) wells in the north portion of the service area and three (3) wells in the south. Several of these wells can potentially contribute to the problem. This scope of services is to make a positive determination of which well(s) are contributing to the formation of TTHM's in the distribution system.

#### Scope of Services

Kimley-Horn will provide the services specifically set forth below.

## Task 1 - Initial investigation and modeling

The scope of services will begin with formation potential testing of each of the eight wells in the north and three wells in the south. The samples will be evaluated at three points (8hr, 48hr, and 96hr) to develop a basic TTHM formation curve. The samples will also be evaluated for HAA5 formation potential.

While the testing is being performed, the hydraulic WaterCAD model of the area will be updated. The model has not been updated in several years and needs to be revised to account for additional piping and connections. The model will be updated with current infrastructure and demands. A rough calibration will be performed by checking the pressures at various points in the system with the reported pressures in the model. The model will be run to evaluate the water age within the system. The water age will be developed to determine the correlation between the existing sampling points and the modeled water age.

When we have the testing data back, we can compare it with the calibrated model. This will provide us with two important pieces of information. First is the overall water age in the system, and specifically the water age at the sampling locations. Second is we will be able to modify the model to simulate alternate operations of the wells that may be able to minimize the impacts of the affected well(s) and/or reduce the water age. The results of these simulations will guide the initial settings for the new SCADA system in the area. However, the testing and modeling results may show that there is no reliable combination of wells that can be operated to keep the TTHM/HAA5 within Regulatory parameters. In this circumstance, advanced treatment will be investigated for service area to determine what needs to be constructed and at which location(s).

A draft report with these initial findings will be developed for your review. This will primarily detail where we find the sources of the TTHM formation and where we recommend additional study for Task 2.

kimley-horm.com

3660 Maguire Blvd, Ste 200, Orlando, FL 32803

407.427.1673

## Task 2 - Final analysis and reporting

This second task includes additional sampling for the wells that have an increased formation potential. These samples will more fully develop the formation curve so we can more accurately predict the TTHM levels at varying water ages. This will allow us to determine if we can sufficiently lower the TTHM levels by well blending, or if additional treatment will be necessary. The additional sampling assumes 4 wells are contributing to the elevated TTHM/HAA levels and three additional points will be tested for a total of 12 additional samples.

Also included in this task will be the full investigation of the options available to provide a long term solution for TTHM/HAA reduction. This will include an operational evaluation of the well system and a treatment study based on the potential level of TTHM/HAA formation potential to be reduced. This will include preliminary cost estimates for the various options developed into a decision matrix to evaluate the best alternative.

#### Additional Services

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following: additional water quality testing not identified in the scope; design services associated with the results of the study.

#### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information requested by Kimley-Horn during the project, including but not limited to the following: Flow and connection data for the identified portion of the service area.

#### Schedule

We will provide our services as expeditiously as practicable with the goal of meeting the following schedule: The first draft of the study will completed within 6 weeks of authorization. The final draft will be completed 10-12 weeks from authorization depended on the draft review and the determination of viable options discussed in the draft.

#### Fee and Expenses

Kimley-Horn will perform the services in Tasks 1-2 for the total lump sum fee of below. Water quality testing will be performed by UCF and comprises approximately \$24,000 of the lump sum fee. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1 Initial Investigation and Modeling	\$_35,750
Task 2 Final Analysis and Reporting	\$_21,000
Total Lump Sum Fee	\$_56,750

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

kimley-horn.com	3660 Maguire Blvd, Ste 200, Orlando, FL 32803
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#### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Lake Utility Services, Inc.

Kimley-Horn, in an effort to expedite invoices and reduce paper waste, submits invoices via email in an Adobe PDF format. We can also provide a paper copy via regular mail if requested. Include the invoice number and Kimley-Horn project number with all payments. Please provide the following information:

Please email all invoices to bkgongre@uiwater.com

\_\_\_\_ Please copy \_\_\_\_

If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy, and return the other to us. We will commence services after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for sixty (60) days after the date of this letter.

To ensure proper set up of your projects so that we can get started, please complete and return with the signed copy of this Agreement the attached Request for Information. Failure to supply this information could result in delay in starting work on your project.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours, KIMLEY-HORN AND ASSOCIATES, INC.

Steve Romano, PE Sr. Project Manager

SUBMITTED BY: KIMLEY-HORN AND ASSOCIATES, INC.

Date: 11-12-15

Jon Martin, PE Sr. Associate

ACCEPTED BY: LAKE UTILITY SERVICES, INC.

Breyon 2. Bruge, Regional Mor.

Attachment - Standard Provisions

Date: 11/10/15

3660 Maguire Blvd, Ste 200, Orlando, FL 32803

407.427.1673

## KIMLEY-HORN AND ASSOCIATES, INC.

#### STANDARD PROVISIONS

(1) Consultant's Scope of Services and Additional Services. The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform Additional Services, which shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.15 times cost.

(2) Client's Responsibilities. In addition to other responsibilities described herein or imposed by law, the Client shall:
 (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.

(b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.

(c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, upon all of which the Consultant may rely.

(d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.

(e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.

(f) Furnish approvals and permits from governmental authorities having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.

(g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require.

(h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope, timing, or payment of the Consultant's services or any defect or noncompliance in any aspect of the project.
 (i) Bear all costs incidental to the responsibilities of the Client.

(3) Period of Services. Unless otherwise stated herein, the Consultant will begin work timely after receipt of a property executed copy of this Agreement and any required retainer amount. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

(4) Method of Payment. Compensation shall be paid to the Consultant in accordance with the following provisions: (a) Invoices will be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All relainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due to the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services and withhold deliverables until all amounts due are paid in full and may commence proceedings, including filing liens, to secure its right to payment under this Agreement.

(b) If the Client relies on payment or proceeds from a third party to pay Consultant and Client does not pay Consultant's invoice within 60 days of receipt, Consultant may communicate directly with such third party to secure payment.

(c) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing. If the Client objects to only a portion of the invoice, payment for all other portions remains due within 25 days of receipt.
(d) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) Use of Documents. All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole

risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) Opinions of Cost. Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be pald for as Additional Services.

(7) Termination. The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) Insurance. The Consultant carries Workers' Compensation insurance, professional liability insurance in the amount of \$2,000,000 per claim, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) Standard of Care. The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by consultants performing the same or similar services in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) **LIMITATION OF LIABILITY.** In recognition of the relative risks and benefits of the Project to the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or \$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) Mutual Waiver of Consequential Damages. In no event shall either party be liable to the other for any consequential, incidental, punitive, or indirect damages including but not limited to loss of income or loss of profits.

(12) Certifications. The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(13) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Procedures of the American Arbitration Association as a condition precedent to litigation.

(14) Hazardous Substances and Conditions. In no event shall Consultant be a custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated.

#### (15) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.
(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) **Confidentiality.** The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(18) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision.

(19) PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

Invoice for Professional Services

3008141 PD#200886 Recpl# 212900

LAKE UTILITY SERVICES, INC. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

KIMLEY-HORN AND ASSOCIATES, INC.

 Invoice No:
 7237432

 Invoice Date:
 Dec 15, 2015

 Invoice Amount:
 \$4,900.00

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

Client Reference:

For Services Rendered through Dec 15, 2015

Federal Tax Id: 56-0885615

Please send payments to:

ATLANTA, GA 31193-2520

P.O. BOX 932520

#### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	5.31%	1,900.00	0.00	1,900.00
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	14.29%	3,000.00	0.00	3,000.00
Subtotal	56,750.00	8.63%	4,900.00	0.00	4,900.00
Total LUMP SUM					4,900.00

Total Invoice: \$4,900.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

3008141 PO#200886 Regl 214444

LAKE UTILITY SERVICES, INC. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7367456 Invoice Date: Dec 31, 2015 Invoice Amount: \$3,000.00

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Dec 31, 2015

Federal Tax Id: 56-0885615

#### LUMP SUM

- Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	13.71%	4,900.00	1,900.00	3,000.00
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	14.29%	3,000.00	3,000.00	0.00
Subtotal	56,750.00	13.92%	7,900.00	4,900.00	3,000.00
Total LUMP SUM					3,000.00

DESCRIPTION OF SERVICES PERFORMED: WELL SITE VISITS AND MODEL SETUP.

### Total Invoice: \$3,000.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

## Invoice for Professional Services

Invoice for Professional Services

3008141 PU 200886 Reept 216615

LAKE UTILITY SERVICES, INC. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

KIMLEY-HORN AND ASSOCIATES, INC.

Invoice No: 7488705 Invoice Date: Jan 31, 2016 Invoice Amount: \$12,975.00

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Jan 31, 2016

Federal Tax Id: 56-0885615

Please send payments to:

ATLANTA, GA 31193-2520

P.O. BOX 932520

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	50.00%	17,875.00	4,900.00	12,975.00
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	14.29%	3,000.00	3,000.00	0.00
Subtotal	56,750.00	36.78%	20,875.00	7,900.00	12,975.00
Total LUMP SUM	h.				12,975.00

DESCRIPTION OF SERVICES PERFORMED: DEVELOPMENT OF THE HYDRAULIC MODEL AND TTHM SAMPLING

Total Invoice: \$12,975.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

Invoice for Professional Services

LAKE UTILITY SERVICES, INC. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714 3008140 PD#200866 Reep6218902

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7570582 Invoice Date: Feb 29, 2016 Invoice Amount: \$6,000.00

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

Client Reference:

For Services Rendered through Feb 29, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	66.78%	23,875.00	17,875.00	6,000.00
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	14.29%	3,000.00	3,000.00	0.00
Subtotal	56,750.00	47.36%	26,875.00	20,875.00	6,000.00
Total LUMP SUM					6,000.00

DESCRIPTION OF SERVICES PERFORMED: AGE ANALYSIS MODELING

Total Invoice: \$6,000.00

3008141 PO# 200886 Rept# 221314

LAKE UTILITY SERVICES, <del>INC</del>. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7676856

Invoice Date: Mar 31, 2016 Invoice Amount: \$10,087.50

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

Invoice for Professional Services

Client Reference:

For Services Rendered through Mar 31, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	95.00%	33,962.50	23,875.00	10,087.50
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	14.29%	3,000.00	3,000.00	0.00
Subtotal	56,750.00	65.13%	36,962.50	26,875.00	10,087.50
Total LUMP SUM	-				10,087.50

DESCRIPTION OF SERVICES PERFORMED: FINAL WATER QUALITY REPORT INITIAL OPTIONS INVESTIGATION COORDINATION AND ANALYSIS REGARDING FDEP CONSENT ORDER

#### Total Invoice: \$10,087.50

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

LAKE UTILITY SERVICES, INC. ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

KIMLEY-HORN AND ASSOCIATES, INC.

3008141 PO# 200886 Recpt. 224176

 Invoice No:
 7811293

 Invoice Date:
 Apr 30, 2016

 Invoice Amount:
 \$4,037.50

Project No: 149685001.1 Project Name: LUSI TTHM / HAA5 ANALYSIS Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Apr 30, 2016

Federal Tax Id: 56-0885615

Please send payments to:

ATLANTA, GA 31193-2520

#### LUMP SUM

P.O. BOX 932520

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - INITIAL INVESTIGATION AND MODELING	35,750.00	100.00%	35,750.00	33,962.50	1,787.50
TASK 2 - FINAL ANALYSIS AND REPORTING	21,000.00	25.00%	5,250.00	3,000.00	2,250.00
Subtotal	56,750.00	72.25%	41,000.00	36,962.50	4,037.50
Total LUMP SUM					4,037.50

DESCRIPTION OF SERVICES PERFORMED:

PREP FOR FINAL INVESTIGATIONS AND MODELING IN ACCORDANCE WITH PROPOSED CONSENT ORDER

## Total Invoice: \$4,037.50

## Invoice for Professional Services

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## EXHIBIT PCF-10

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida



### ADD-CHANGE FORM

New Project or Budget	Change?	New Project	Assigned Project #	<b>#:</b> 2015083
Requested by:	Bryan K. Gong Project Manager / A		Date:	4/13/2015
Project Name:	Eng-Const US	27 Phase 3		
Company:	251	Lake Utility Services In	c	
Business Unit:	251102	LUSI South W	BU Type:	WP
Project Owner:	John Hoy			
Project Manager:	Bryan K. Gong	re	Budget Owner / RVP:	John Hoy
Start Date:	4/20/2015	Q2 2015	Region:	Florida
Estimated End Date:	12/1/2015	Q4 2015	State:	FL
Project Type:	EH&S Co	mpliance		
Will project replace/reti	re any assets:	Yes		
Previously Requested:				
This Request:	\$62,990			
Still to be Requested:				
OOT is widening the roadway bad to just south of Lake Lou right of way within FDOT's p	isa Road in Clermont project scope that will	, FL. The Utility has water, se be impacted as a result of thi	n the right of way of US 27 from North ewer and reclaimed water mains locate is construction activity. Approximately	ed within the US 8,650 LF of 16"
escription: DOT is widening the roadway bad to just south of Lake Lou right of way within FDOT's p ater main and 2,600 LF of 12	and constructing stor isa Road in Clermont project scope that will " and smaller diamete	, FL. The Utility has water, se be impacted as a result of thi	ewer and reclaimed water mains locate is construction activity. Approximately ed and/or lowered to resolve vertical a	ed within the US 8,650 LF of 16"
escription: DOT is widening the roadway bad to just south of Lake Lou right of way within FDOT's p ater main and 2,600 LF of 12 inflicts as well as the ability to meline Considerations: DOT plans to begin construc- nortly thereafter.	and constructing stor isa Road in Clermont project scope that will " and smaller diamete o meet and maintain a tion by 10/1/15. The	, FL. The Utility has water, so be impacted as a result of thi r pipes will need to be adjust allowable bury depth (cover) r Utility's facilities will need to b	ewer and reclaimed water mains locate is construction activity. Approximately ted and/or lowered to resolve vertical a requirements.	ed within the US 8,650 LF of 16" and horizontal
escription: DOT is widening the roadway bad to just south of Lake Lou right of way within FDOT's p ater main and 2,600 LF of 12 inflicts as well as the ability to meline Considerations: DOT plans to begin construct	and constructing stor isa Road in Clermont project scope that will " and smaller diamete o meet and maintain a	, FL. The Utility has water, se be impacted as a result of thi er pipes will need to be adjust allowable bury depth (cover) r	ewer and reclaimed water mains locate is construction activity. Approximately ted and/or lowered to resolve vertical a requirements.	ed within the US 8,650 LF of 16" and horizontal



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Utility's facilities are located within the FDOT right of way and subject to the FDOT permitting requirements that include the requirement to relocate and/or adjust facilities that are in conflict between the Utility's assets and any state funded improvements.

#### **Risk Evaluation**

Failure to comply with the FDOT right of way permit conditions will result in the issuance of a Notice to Vacate the right of way, which would incur very expensive costs and negatively impact quality of service to existing customers. The pipe modifications will be designed so as to maintain service to existing connections along US 27 during the construction period. The quantities, locations, and timing of pipe adjustments will be dependant upon FDOT's plans and work schedule. It will be important to insure that our facilities are relocated efficiently and effectively, which will require the use of engineering servicest that is coordinated with FDOT's consultants and contractors.

#### Alternatives Considered:

Acquire easements along US 27 from private property owners to avoid the possibility of future relocation costs being born by the Utility. Doing so would result in higher construction costs as only approximately 1/7th of the pipeline is in conflict.

Minimum bury depth is 30" within grassy areas of the FDOT ROW, a variance of 24" will be requested to decrease the number of LF to be lowered but there is no gaurantee that FDOT will accept the proposal.

Technical Review Summary:



Financial and Regulatory Implications

		Yr 2	Yr 3	Yr 4	Yr 5		
Proposed Project Spend Project Spend in Current Plan	62,990				_		
Variance	(62,990)	4			-		
CIAC Collected	(02,000)					(if a	pplicable)
Net Rate Base	62,990	62,990	62,990	62,990	62,990		
		and the second					
O&M Cost Impact B/(W)					AND INCOME.		
Financial Justification							
FDOT Requirement							
		-		Rate Payers			
Estimated Revenue Impact per	Customer:		(1)	(1)			
Number of Customers Impacte	ed:		4,197	4,197			
			Section 1	and the second			
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
O&M Impact on EBITDA B/(W)			-	-	-	-	
Depreciation Impact on EBIT B/(	W)	(131)	(1,575)	(1,575)	(1,575)	(1,575)	
Under-recovery on capital B/(W)			(4,596)	(4,478)	(4,360)	(4,242)	
Net EBIT Impact B/(W)		(131)	(6,171)	(6,053)	(5,935)	(5,817)	
	ation on Rate R	ecovery					
Timing and Supporting Informa	hle IUSI is in t	he rate case	plan for 2015	. Therefore, th	is capital proje	ct would be inclu	ded as a
Timing and Supporting Informa			1				
Timing is based on FDOT timetal							
Timing and Supporting Informa Timing is based on FDOT timetal proforma project.							
Timing is based on FDOT timetal							
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Timing is based on FDOT timetal proforma project. Regulatory Plan Implications							



Bid	Company		Amount	Selected
1	СРН		\$62,990	Yes
2				
3		Contraction of the		
Component:	Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mate Landscaping / Site Restoration Other Components (specify): Cap Time	rials	0.00 should match sele		
Total Project Budget Object Account(s) to whicl	62,990 h project will be closed:	0.00 anout match Tot	Trans & Distr I select from dro select from dro select from dro	Mains opdown list opdown list opdown list
			select from dro	
General Comments:			Go to Refe	erence List
with similar projects previously co	e existing infrastructure within the US ompleted in the US 27 corridor. The o e, no additional bids were solicited.			



Approvals

Review Completed by Does project align with utility p Comments	lan and meet technical requiren	Date: nents? Ye	es 🗌 No 🗌	
CPRT prefers that the estimate	Patrick C. Flynn Yes No ecceived in review incorporated) ed cost of the total project be ide nated construction costs. Soils a			
FP&A Review Review Completed by Does Project comply with curre Comments	Christie Kincaid ent Utility Rate and Regulatory F	Date: Plan? Ye	4/23/2015 es	
Approvals				Applicable?
Regional Manager:	Bryan Gongre	Date:	4/29/2015	7
VP Operations:	Patrick C. Flynn	Date:	4/29/2015	J
President:	John P. Hoy	Date:	5/4/2015	
Approval or Re-Direction Co	mments			



1117 East Robinson Street Orlando, Florida 32801 Phone: 407.425.0452 Fax: 407.648.1036

www.cphengineers.com

April 9, 2015

Mr. Bryan Gongre Regional Manager Lake Utility Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714

RE: SR 25 (US 27) Lake Utility Services, Inc. Utility Relocations (FDOT FPID 238422-1-52-01)Proposal

Dear Bryan:

We are pleased to submit this proposal to provide professional engineering services associated with the design, permitting, bidding, and limited post design services related to the utility relocations along the SR 25 (US 27) corridor due to the planned FDOT construction. Following review of the FDOT Utility Contact Submittal of the roadway plans, dated February 24, 2015, it appears there is approximately 8,650 lineal feet of 16" water main and up to 2,600 LF of 12" smaller of either water, reuse, or force main with reduced cover and possible locations of conflict with FDOT improvements. Given that vertical information on existing mains is not provided in the roadway plans this length may be reduced by having the awarded Contractor provide test holes for evaluation during construction to reduce relocations as much as possible. CPH has included limited time for post-award services to assist with this evaluation and coordination between the FDOT and the award utility contractor.

This scope of services includes reviewing FDOT plans, converting FDOT plans from Microstation to AutoCAD (up to two updates), preparing construction plans (plan view, up to 5 cross sections, and details) and specifications related to utility conflicts and relocations, prepare FDEP permits and pay fees, prepare FDOT Utility Work Schedule, prepare FDOT Utility Permit, prepare FDOT Utility Agreement, provide bidding services, and limited post design services indicated in the attached spreadsheet. Post design services include time to assist with contractor provided locate information, attend 5 construction meetings with either the contractor or FDOT, two change order reviews, shop drawings, and five RFI responses. The FDOT plans will be used as a base to allow the relocations to match the FDOT sheets for accurate referencing. The Utility's standard notes and details will be incorporated into the plans to ensure the utilities are constructed in accordance with the Utility's standards. Plans and specifications will be prepared for review at the 90% and Final completion levels. Further detail for each phase and task is provided on the attached man hour's spreadsheet(s).

Environmental services <u>are not included</u> in this scope. Surveying and utility locates <u>are not included</u> in this scope of services. Locates will be called for on the plans for the contractor to field verify. Any required surveying will be additional to this contract. Geotechnical services <u>are not included</u> in the scope of services. It is understood this project will not be constructed under a Utility Work by Highway Contractor Agreement with FDOT.

### Supplementary Services

If authorized in writing by the Owner prior to the rendering of such services, the engineer will furnish or obtain under subcontracts, supplementary services which will be paid for by the Owner.

J:\Z6582\Proposals\Util Inc\UTIL INC SR 27\Contract\LGU SR 25.doc



Additional services due to significant changes in the scope of the project or its design including, but not limited to, changes in size, complexity, character of construction or due to time delays in initiating or completion of the work as described herein.

Preparing to serve as an expert witness for the Owner in any protest, litigation, or other proceeding involving the project.

Additional engineering services required by revisions to regulations (after the date of this contract) as applicable to the Florida Department of Environmental Protection, the St. Johns River Water Management District, or other regulatory agency requirements.

Provide, through a subconsultant, additional surveying services if required or requested by the Owner.

Provide, through a subconsultant, additional soils investigation services if required or requested by the Owner.

### Payment

The engineering design fee for the services, described herein is estimated to be \$62,990.00, including out of pocket expenses. The time and materials amount is estimated based on the review of FDOT plans and assumed relocations provided at the time of this scope of services.

Progress invoices will be submitted based on the Engineer's estimate of the percent of work complete at the time of invoicing.

Charges for the services rendered by principals and employees as witnesses in any litigation, hearing or proceeding in accordance with this Contract will be computed at a rate of \$600 per day or any portion thereof.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us.

If you have any questions please call me.

Sincerely, CPH, Inc.

the 1

James R. Morris, Jr., P.E. Sr. Project Manager

ACCEPTED BY: Lake Utility Services, Inc.

Date: 5/6/15

J:\Z6582\Proposals\Util Inc\UTIL INC SR 27\Contract\LGU SR 25.doc

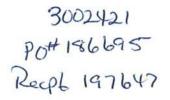
ask 1	Task Description	Project Manager	Project Engineer	Project Designer	Sr. Design Tech	Clerical II	Fees
1	Review FDOT Phase IV submittal, conduct site visit, prepare RGB submittal, attend one meeting with FDOT, prepare conflict matrix, and prepare initial cost estimate	24	40.			8	
2	Convert 100% FDOT drawings to AutoCAD, review final FDOT drawings, prepare 90%, and Final Bid Documents including plans (plan view only and up to 5 cross sections), specifications, and bid form. Attend up to two meetings with FDOT and LGU.	32	80		180	8	
3	Prepare FDOT Utility Permit and FDEP permitting including fees. Prepare Utility Agreement and Work Schedule	10	12		12		
4	Prepare Bid Documents to LGU Contractors, answer questions, prepare addenda, and review bids.	4	4		4		
5	Attend preconstruction meeting, up to ten site visits (meetings to coincide with site visits), shop drawing review, RFI reply (up to 5), change order review (up to two), FDOT certification, FDEP permit certification, and Record Drawings	30	60		40	10	
	SUBTOTAL DIRECT LABOR	100	196	0	236	36	
	See supporting documentation for breakdown of miscellaneous expenses		SUBTOTAL			\$60,640.00	
	A CONTRACT OF A	Total Labor Co F	ees			\$60,640.00 \$1,400.00	
		N TOTAL TASK	lisc. Expense	S	3	\$950.00 \$62,990.00	

	RATE		
Project Manager	\$135.00	100	\$13,500.00
Project Engineer	\$110.00	196	\$21,560.00
Project Designer	\$110.00	0	\$0.00
Sr. Design Technician	\$100.00	236	\$23,600.00
Clerical II	\$55.00	36	\$1,980.00
Subtotal Raw Labor			\$60,640.00

Page T-1



## Invoice



Bryan Gongre			June 04, 2015		
Utilities, Inc.			Project No:	U07143	
200 Weathersfield Avenue			Invoice No:	93649	
Altamonte Springs, FL 32714					
Lake Utility Services, Inc. Utility Relocations	SR 25 (US	27).			
Professional Services through May 10, 20	015				
Fee					
Total Fee	62,990.00				
Percent Complete	15.11	Total Earned		9,517.79	
		<b>Previous Fee Billing</b>		0.00	
		Current Fee Billing		9,517.79	
		Total Fee			9,517.79
			Total this Invoid	e	\$9,517.79

Services provided this period include:

FDOT Permit RGB and plan update

1 Maril Pren

CPH, Inc.

RECEIVED JUN 15 2015



## Invoice

3002421 PO 186695 Recpt 205053

Bryan Gongre			September 01, 2	2015	
Utilities, Inc.			Project No:	U07143	
200 Weathersfield Avenue			Invoice No:	94662	
Altamonte Springs, FL 32714					
Lake Utility Services, Inc. Utility Relo	ocations SR 25 (US	27).			
Professional Services through Au	igust 09, 2015				
Fee					
Total Fee	62,990.00				
Percent Complete	50.00	Total Earned		31,495.00	
		<b>Previous Fee Billing</b>		22,046.50	
		<b>Current Fee Billing</b>		9,448.50	
		Total Fee			9,448.50
			Total this Invo	lice	\$9,448,50

CPH, Inc.

1 Maril Dan

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RECEIVED OCT 1 3 2015

Invoice

3002421 PD#186695 Reept# 208001

Bryan Gongre Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

Lake Utility Services, Inc. Utility Relocations SR 25 (US 27). Professional Services through September 13, 2015 Fee

Total Fee	62,990.00			
Percent Complete	55.00	Total Earned	34,644.50	
2		Previous Fee Billing	31,495.00	
		Current Fee Billing	3,149.50	
		Total Fee		3,

Total this Invoice

October 07, 2015

U07143

95192

Project No:

Invoice No:

3,149.50

\$3,149.50

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RECEIVED DEC 16 2015

Invoice

3002421 20#186695 RegL#212674

Bryan Gongre Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

 December 11, 2015

 Project No:
 U07143

 Invoice No:
 95935

Lake Utility Services, Inc. Utility Relocations SR 25 (US 27). <u>Professional Services through November 15, 2015</u> Fee

Total Fee

Percent Complete

	Total Fee	Total this Invoice	9,448.50 \$9,448.50
	Current Fee Billing	9,448.50	
	Previous Fee Billing	34,644.50	
70.00	Total Earned	44,093.00	
62,990.00			

Services provided this period includes:

Project is out for bid

Vacil The

RF~ JAN 13 2016

U07143

96146

January 4, 2016

Project No:

Invoice No:



500 West Fulton Street Sanford, Florida 32771 Phone: 407.322.6841

Invoice

3002421 PO#186695 Recpt# 215286

Bryan Gongre Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

Lake Utility Services, Inc. Utility Relocations SR 25 (US 27). <u>Professional Services through December 13, 2015</u> Fee

Total Fee	62,990.00			
Percent Complete	80.00	Total Earned	50,392.00	
		<b>Previous Fee Billing</b>	44,093.00	
		Current Fee Billing	6,299.00	
		Total Fee		6,299.00
			Total this Invoice	\$6,299.00

#### **Outstanding Invoices**

Number	Date	Balance
95935	12/11/2015	9,448.50
Total		9,448.50

Services provided this period includes:

**Bidding Services** 

Mail Than



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February 5, 2016

U07143

96726

Project No:

Invoice No:

500 West Fulton Street Sanford, Florida 32771 Phone: 407.322.6841

Invoice

## 3002421 PU#186695 Recpt # 217415

Bryan Gongre Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Lake Utility Services, Inc. Utility Relocations SR 25 (US 27). Professional Services through January 10, 2016 Fee

**Total Fee** 

Percent

62,990.00

nt Complete	86.00	Total Earned	54,171,40	
ni Complete	00.00	Previous Fee Billing	50,392.00	
		Current Fee Billing	3,779.40	
		Total Fee		3,779.40
			Total this Invoice	\$3,779.40

Services provided this period includes:

Construction Services 0% complete

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500 West Fulton Street Sanford, Florida 32771 Phone: 407.322.6841

## Invoice

## 3002421 PD# 186695 Reapt# 219207

Bryan Gongre Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

Lake Utility Services, Inc. Utility Relocations SR 25 (US 27). Professional Services through February 7, 2016 Fee

Total Fe

Percent

U07143
96807

ee	62,990.00			
t Complete	90.00	Total Earned	56,691.00	
		Previous Fee Billing	54,171.40	
		Current Fee Billing	2,519.60	
		Total Fee		2,519.60

**Total this Invoice** 

\$2,519.60

Services provided this period includes:

Construction Services 0% complete

Vameran Alasmani

## RECEIVED MAY 13 2016

500 West Fulton Street Sanford, Florida 32771 Phone: 407.322.6841

Invoice

	P0#18669	15			
Bryan Gongre Utilities, Inc. of Florida - Lake 200 Weathersfield Avenue Altamonte Springs, FL 32714	Rept.# 224 Utility Services	727	May 4, 2016 Project No: Invoice No:	U07143 97758	
Lake Utility Services, Inc. Utility F Professional Services through Fee		27).			
Total Fee	62,990.00				
Percent Complete	91.00	Total Earned Previous Fee Billing Current Fee Billing Total Fee		57,320.90 56,691.00 629.90	629.90
			Total this Inv	voice	\$629.90

3002421

Services provided this period includes:

**Construction Services** 

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## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-10a**

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida



## ADD-CHANGE FORM

	hange?	New P	roject	Assigned Pro	oject #:	2016009	
Requested by: Bryan K. Gong Project Manager / A					Date:	1/11/2015	
Project Name:	Const. US 27 F	Phase 3					
Company:	251	Lake Utility	Services Inc				
Business Unit:	251102	LUSI South	W	BU Type:		WP	
Project Owner:	John Hoy			Budget Owner /		John Hoy	
Project Manager:	Bryan K. Gong	re			NUT.		
Start Date:	1/11/2016	Q1 2016		Region:		Florida	
Estimated End Date:	6/30/2017	Q2 2017		State:		FL	
Project Type:	EH&S Co	mpliance					
Will project replace/retire	any assets:	Yes					
Previously Requested:							
This Request:	\$2,700,000						
Still to be Requested:							
Total Project Budget: escription: emove and replace water mains DOT's road widening and storm oad.	\$2,700,000 s, reclaimed water water improvemen	mains and force tts along US Higl	mains located within t hway 27 from Boggy M	he FDOT right-of-way larsh Road to 1000' N	that are i orth of La	in conflict with ake Louisa	1
escription: emove and replace water mains DOT's road widening and storm	s, reclaimed water	mains and force	mains located within t hway 27 from Boggy M	he FDOT right-of-way larsh Road to 1000' N	that are i	in conflict with ake Louisa	
escription: emove and replace water mains DOT's road widening and storm	s, reclaimed water nwater improvemen	e FDOT approve	hway 27 from Boggy M	larsh Road to 1000' N	ur contrac	cted engineers	,
escription: emove and replace water mains DOT's road widening and storm oad. imeline Considerations: he work must be completed in a nd the Utility. The FDOT contra	s, reclaimed water nwater improvemen	e FDOT approve	hway 27 from Boggy M	larsh Road to 1000' N	ur contrac	cted engineers	,,



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Utility has facilities that are located within the FDOT right of way and subject to the FDOT permitting requirements that include the requirement to relocate and/or adjust facilities that are in conflict with the Utility's assets and any state funded improvements. Engineering services provided by CPH under a separate project have identified approximately 9,195 LF of 16" water main, 142 LF of 8" water main, 2,460 LF of 12" force main, 40 LF of 8" reclaimed water main, 602 LF of 12" reclaimed water main and fittings that may be required to be adjusted, lowered, removed, replaced and reconnected. These quantities are based upon the FDOT roadway design plans with limited information provided in the form actual vertical and horizontal locations of the aforementioned facilities. Therefore the quantities of pipe that actually need to be relocated or adjusted are a worse case scenario. The selected contractor performing the Utility's work will first be tasked with field verifying the vertical and horizontal locations of the Utility's opposed to perceived conflicts and will likely reduce the number of conflicts and capital costs requested under this project. The project will be let under a Unit Cost Contract meaning that other than the general conditions, surveying/locates, preconstruction video and MOT costs, pay applications will be processed per LF of pipe installed and field verified.

All relocated facilities and fittings as well as existing facilities will be surveyed using State Plane coordinates. An AuotCAD file will be provided for use in uploading to a future GIS database.

#### **Risk Evaluation**

Failure to comply with the FDOT right of way permit conditions will result in the issuance of a Notice to Vacate the right of way that would negatively impact quality and availability of service to existing customers. It will be important to insure that our facilities are relocated efficiently and effectively in accordance with the approved Utility Work Schedules. Failure to do so may result in delays to FDOT's contractor and claims for damages.

#### **Alternatives Considered:**

Acquire easements along US 27 from private property owners to avoid the possibility of future relocation costs being born by the Utility. This project covers a seven mile section of the highway. Rerouting and replacing all of the existing facilities would result in higher construction costs as compared to the perceived 1/3rd of the pipeline being in conflict.

Minimum bury depth is 30" within grassy areas of the FDOT ROW. Where this minimum limit can be achieved, facilities will not be relocated or adjusted.

#### **Technical Review Summary:**

Responded to RFI as to the line item in the bid titled General Conditions and added the number of days to complete the project for the FDOT contractor and the Utility.



## Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5		
Proposed Project Spend	2,700,000						
Project Spend in Current Plan	2,700,000						
Variance							no ling has
CIAC Collected			0 700 000	0 700 000	0.700.000	s ti)	pplicable)
Net Rate Base	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000		
D&M Cost Impact B/(W)				1			
Financial Justification							
			Served	Rate Payers			
Estimated Revenue Impact per			(29)	(29)			
Number of Customers Impac	ted:		9,051	9,051			
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
O&M Impact on EBITDA B/(W)				-	-	-	
Depreciation Impact on EBIT B/(		(67,500)	(67,500)	(67,500)	(67,500)	(67,500)	
Under-recovery on capital B/(W)		107 500)	(192,375)	(187,313)	(182,250)	(177,188)	
		(67,500)	(259,875)	(254,813)	(249,750)	(244,688)	
					a de la composition de la comp		
Net EBIT Impact B/(W) Timing and Supporting Inform	nation on Rate R	ecovery					
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has	accordance with	the FDOT appro	ved Utility Work s project of which	Schedules as de h the Utility has 5	veloped by our o 46 days in paral	ontracted engined	ers and the e relocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work.	accordance with	the FDOT appro	ved Utility Work s project of which	Schedules as de the Utility has 5	veloped by our o 46 days in paral	ontracted enginer	ers and the
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de the Utility has 5	veloped by our o 46 days in paral	ontracted enginer	ers and the
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Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de	veloped by our o	ontracted enginer	ers and the e relocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de In the Utility has 5	veloped by our o	ontracted enginer	ers and the e relocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de In the Utility has 5	veloped by our o	ontracted enginer	ers and the erelocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications This project is in line with our Ra	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de In the Utility has 5	veloped by our o	ontracted enginee lel to complete the	ers and the erelocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications This project is in line with our Ra	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de In the Utility has 5	veloped by our o	ontracted enginer	ers and the e relocation
Net EBIT Impact B/(W) Timing and Supporting Inform The work must be completed in a Utility. The FDOT contractor has work. Regulatory Plan Implications This project is in line with our Ra	accordance with s 967 days to cor	the FDOT appro	ved Utility Work s project of which	Schedules as de In the Utility has 5	veloped by our o	ontracted enginee lel to complete the	ers and the e relocation



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Value Bid Elements       2,700,000.00         Engineering       Direct Purchase of Parts / Materials         Landscaping / Site Restoration       Other Components (specify):         Cap Time       2,700,000.00         Total Project Budget       2,700,000.00         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir         1540       Reuse Tranmission & Dist         select from dropdown list	1 T 2 C 3 B Component:	raverse Group central Florida Tapping & C oykin Construction	onstruction Srvcs	\$3,073,100	
2       Central Florida Tapping & Construction Structs       \$3,073,100       No         3       Boykin Construction       \$3,058,370       No         Component:       Amount       \$2,700,000.00       Frankle matter setteded bid foll above         Components:       2,700,000.00       Frankle matter setteded bid foll above       Frankle matter setteded bid foll above         Direct Purchase of Parts / Materials       2,700,000.00       Frankle matter setteded bid foll above       Frankle matter setteded bid foll above         Cap Time       2,700,000.00       Frankle matter setteded bid foll above       Frankle matter setteded bid foll above         Total Project Budget       2,700,000.00       should match foll 50 above       Frankle Materials         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir       1540       Reuse Tranmission & Dist select from dropdown list	2 C 3 B Component:	Central Florida Tapping & C loykin Construction	construction Srvcs	\$3,073,100	
3       Boykin Construction       \$3,058,370       No         Component:       Amount       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Value Bid Elements       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Direct Purchase of Parts / Materials       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Direct Purchase of Parts / Materials       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Direct Purchase of Parts / Materials       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Cap Time       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Total Project Budget       2,700,000.00       Model metablic selected bid of above       Model metablic selected bid of above         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir       1540       Reuse Tranmission & Dist select from dropdown list	3 B Component:	oykin Construction		00.000.070	No
Value Bid Elements       2,700,000.00         Engineering       0.000000         Direct Purchase of Parts / Materials       2,700,000.00         Landscaping / Site Restoration       0.00000         Other Components (specify):       2,700,000.00         Cap Time       2,700,000.00         Total Project Budget       2,700,000.00         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir         1540       Reuse Tranmission & Dist         select from dropdown list		Ar		\$3,058,370	No
Engineering Direct Purchase of Parts / Materials Landscaping / Site Restoration Other Components (specify): Cap Time Total Project Budget 2,700,000.00 Object Account(s) to which project will be closed: 1125 Trans & Distr Mains 1345 Sewer Force Main/Srvc Lin 1540 Reuse Tranmission & Dist select from dropdown list	Value Bid Elements		mount		
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir         1540       Reuse Tranmission & Distr Select from dropdown list	Engineering Direct Purchase of Parts / Materia Landscaping / Site Restoration Other Components (specify):		00,000.00 enould metor	neelected bid(6) above	
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir         1540       Reuse Tranmission & Distr Select from dropdown list					
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1345       Sewer Force Main/Srvc Lir         1540       Reuse Tranmission & Distr select from dropdown list					
1345     Sewer Force Main/Srvc Lir       1540     Reuse Tranmission & Dist       select from dropdown list	Total Project Budget	2,7	700,000.00 should make	n Tolai Budget on General In	
1345     Sewer Force Main/Srvc Lir       1540     Reuse Tranmission & Dist       select from dropdown list	Object Account(s) to which r	project will be closed:	1125	Trans & Distr M	Mains
1540 Reuse Tranmission & Dist select from dropdown list					
a allo at frame dram down link				Reuse Tranmis select from dro	ssion & Dist Sys
select from dropdown list					
Go to Reference List				Go to Refe	erence List
General Comments:	General Comments:				

Utilities, Inc.

Approvals

EAM Prime Review Review Completed by Does project align with utility of	Nate Carver lan and meet technical requireme	Date: ents? Ye	1/15/2016 es ☑ No □	
Comments				
Technical Peer Review Review Sponsored by	Patrick Flynn	Date Held	1/14/2016	
Approval to proceed Comments (note if feedback r	Yes Vo no eceived in review incorporated)			
FP&A Review Review Completed by Does Project comply with curr Comments	Christie Kincaid ent Utility Rate and Regulatory Pl	Date: lan? Ye	1/19/2016 ≥s	
Approvals				Applicable?
	Bryan K. Gongre	Date:	1/15/2016	
Regional Manager:				
	Patrick C. Flynn	Date:	1/15/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date: Date:	1/15/2016 1/19/2016	
VP Operations:	John P. Hoy			
VP Operations: President:	John P. Hoy			
VP Operations: President:	John P. Hoy			
VP Operations: President:	John P. Hoy			
VP Operations: President:	John P. Hoy			

#### **BID FORM**

#### PART 1 GENERAL

#### 1.01 Description

The following Bid, for the (1) US 27 Utility Relocation Project, is hereby made to (2) Lake Utility Bid is submitted called the Owner. This by hereafter Services Inc. Clermont - PO BOX 121754 Traverse Group Inc. (3) (352)409.6630 FL 34712

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

#### 1.02 The Undersigned:

- A. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

<b>2</b> .	Addenda:	Number	2	Dated <u>Dec. 21, 15</u>
		Number		Dated <u>Dec. 2, 15</u>
		Number		Dated
		Number		Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - 2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - 3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - 4. To accomplish the work in accordance with the Contract Documents.
  - 5. To begin work no later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 547 calendar days of the date of the Notice to Proceed.

TEAVELSE GROUP INC.

TEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	GENERAL CONDITIONS	LS	1.00	195,000.00	\$195,000.00
2	PRECONSTRUCTION VIDEO	LS	1.00	10,000.00	\$10,000.00
3	PROJECT LAYOUT AND UTILITIY LOCATES	LS	1.00	158,950.00	\$158,950.00
4	UTILITY MAINTENANCE OF TRAFFIC	LS	1.00	35,000.00	\$35,000.00
Nater Main					
5	REMOVE AND REPLACE 8" WM	LF	142.00	75.00	\$10,650.00
6	REMOVE AND REPLACE 16" WM	LF	9,195.00	142.63	\$1,311,482.85
7	FURNISH AND INSTALL 8" 45 BEND	EA	11.00	420.00	\$4,620.00
8	FURNISH AND INSTALL 16" 22 BEND	EA	24.00	650.00	\$15,600.00
9	FURNISH AND INSTALL 16" 45 BEND	EA	84.00	650.00	\$54,600.00
10	FURNISH AND INSTALL 16" 90 BEND	EA	2.00	650.00	\$1,300.00
11	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	1,500.00	\$1,500.00
12	FURNISH AND INSTALL 8" LINE STOP	EA	1.00	12,500.00	\$12,500.00
13	FURNISH AND INSTALL 16" LINE STOP	EA	2.00	22,575.00	\$45,150.00
14	FURNISH AND INSTALL 16X8 TEE	EA	1.00	750.00	\$750.00
Force Main					
15	FURNISH AND INSTALL 6" FM	LF	5.00	150.00	\$750.00
16	REMOVE AND REPLACE 12" FM	LF	2,460.00	146.29	\$359,873.40
17	FURNISH AND INSTALL 6" 45 BEND	EA	2.00	400.00	\$800.00
18	FURNISH AND INSTALL 12" 45 BEND	EA	20.00	700.00	\$14,000.00
19	FURNISH AND INSTAL 6" PLUG VALVE	EA	1.00	2,000.00	\$2,000.00
20	FURNISH AND INSTALL 12" DUAL LINE STOP BYPASS	LF	2,460.00	75.00	\$184,500.00
Reclaimed					
21	FURNISH AND INSTALL 8" RWM	LF	40.00	110.00	\$4,400.00
22	REMOVE AND REPLACE 12" RWM	LF	602.00	125.75	\$75,701.50
23	FURNISH AND INSTALL 8" 45 BEND	EA	4.00	250.00	\$1,000.00
24	FURNISH AND INSTALL 12" 45 BEND	EA	18.00	400.00	\$7,200.00
25	FURNISH AND INSTALL 12" 90 BEND	EA	1.00	400.00	\$400.00
26	FURNISH AND INSTALL 12X8 TEE	EA	1.00	500.00	\$500.00
27	FURNISH AND INSTALL 12X12 TEE	EA	2.00	600.00	\$1,200.00
28	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	2,150.00	\$2,150.00
29	FURNISH AND INSTALL 12" GATE VALVE	EA	1.00	3,500.00	\$3,500.00
30	FURNISH AND INSTALL 12" CAP	EA	1.00	250.00	\$250.00
DEMOLITI	DN				
31	ADJUSTMENT AND RELOCATION OF ARV	EA	9.00	5,750.00	\$51,750.00
32	ADJUSTMENT OF VALVE COLLAR	EA	34.00	350.00	\$11,900.00
33	RELOCATE VALVE	EA	9.00	6,500.00	\$58,500.00
34	REMOVE 30" STEEL CASING	LF	60.00	350.00	\$21,000.00
35	CONCRETE CAP	LF	20.00	225.00	\$4,500.00
36	OPEN CUT AND RESTORE ROADWAY	SY	924.00	40.00	\$36,960.00
	Total Bid (In Numbers)			\$2,69	9,937.75

Traverse Group Inc. Name of Bidder

#### **BID FORM**

#### PART 1 GENERAL

#### 1.01 Description

The following Bid, for the <u>(1) US 27 Utility Relocation Project</u>, is hereby made to <u>(2) Lake Utility</u> <u>Services Inc.</u>, hereafter called the Owner. This Bid is submitted by (3)

CENTRAL FLORIDO TAPPING & CONSTRUCTION SUCULAS FAC

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

#### 1.02 The Undersigned:

- A. Acknowledges receipt of:
  - Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	1	Dated Dec. 2. 2015
		Number	2	Dated DEC. 21 2015
		Number		Dated
		Number		Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - 3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - To accomplish the work in accordance with the Contract Documents.
  - 5. To begin work no later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 547 calendar days of the date of the Notice to Proceed.

CENTRON Floride TAPPING Name of Bidder

 To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

### 1.03 Bid Schedule

The Bidder hereby agrees to perform all work as required by the Contract Documents for the following Unit Prices. All work required to be performed by the Contract Documents is to be included within the following Pay Items, inclusive of furnishing all manpower, equipment, materials and performance of all operations relative to construction of the project. Work for which there is not a Pay Item will be considered incidental to the Contract and no additional compensation will be allowed.

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CENTARI Floride TAPPING

ITEM No		UNIT	QTY	UNIT COST	TOTAL COST
1		LS	1	and the second se	and the second design of the s
		LS	1	6,000,00	
		LS	1	150,000,00	
the second se		LS	1	52,000,00	
			1		3 4000.00
5		LF	142	60,00	8 510 00
6		LF	9195	170.00	
		EA	11	350.00	$\begin{array}{c} 0.00 & 103,00.60 \\ 0.00 & 6,000,00 \\ 00 & 150,000,00 \\ 00 & 53,000,00 \\ 00 & 53,000,00 \\ 00 & 53,000,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,50,00 \\ 0 & 1,215,00 \\ 0 & 1,215,00 \\ 0 & 1,225,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,90,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,920,00 \\ 0 & 1,925,00 \\ 0 & 1,30,00 \\ 0 $
8	1       General Conditions       LS         2       Preconstruction Video       LS         3       Project Layout and Utility Locates       LS         4       Utility Maintenance of Traffic       LS         ater Main       Install Maintenance of Traffic       LS         5       Remove and Replace 8" WM       LF         6       Remove and Replace 16" WM       LF         7       Furnish & Install 8" 45° Bend       EA         8       Furnish & Install 16" 22.5° Bend       EA         9       Furnish & Install 16" 22.5° Bend       EA         10       Furnish & Install 16" Gate Valve       EA         11       Furnish & Install 16" Gate Valve       EA         12       Furnish & Install 16" Line Stop       EA         13       Furnish & Install 16" SM       LF         14       Furnish & Install 6" FM       LF         15       Furnish & Install 6" FM       LF         16       Remove and Replace 12" FM       LF         17       Furnish & Install 6" Plug Valve       EA         18       Furnish & Install 12" 45° Bend       EA         19       Furnish & Install 12" Dual Line Stop with By-pass       LF        24       Remove & Repl	24	775.00		
			84	775.00	
10	Furnish & Install 16" 90° Bend	the second se	2	775.00	63 100.00
	Furnish & Install 8" Gate Valve		1	2.100.00	
	Furnish & Install 8" Line Stop		1	7,500.00	
			2	10, 500,00	
14	Furnish & Install 16" x 8" Tee		1	1,225.00	
Force Mai				1,223.00	1,22500
15	Furnish & Install 6" FM	LE	5	12.0 4	
			2460	125.00	625,00
17	Furnish & Install 6" 45° Bend		2400	170.00	
18	Furnish & Install 12" 45° Bend		20	325.04	
19			1	475.00	
20			2460	2,100,00	
Reclaimed			2400	150.00	364,000.00
21	Furnish & Install 8" RWM	IE	40	A const	2
22			602	80.00	
23			4	150.00	
24			18	350.00	1, 400,00
25			1	440.00	1, 120.00
26			1	440.00	
27			2	575.00	
28			1	6 80,00	
29			1	2,100,00	
30			1	1975.00	
Demolition	1			150,00	150.00
31	Adjustment & Relocation of ARV	FA	9	240	2-1-2-11
32			34	3750.00	
33			9	2.00.00	
34	Remove 30" Steel Casing	LF	60	4,100.00	
35	Concrete Cap	LF	20	275.00	
36	Opencut and Restore Roadway	SY	924	80,005	
	Total Bid (In Numbers)	131	924	65.00	
		_			5.073 100.00

LENTROI Floride Troping

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#### BID FORM

## PART 1 GENERAL

#### 1.01 Description

The following Bid, for the <u>(1) US 27 Utility Relocation Project</u>, is hereby made to <u>(2) Lake Utility</u> <u>Services Inc.</u>, hereafter called the Owner. This Bid is submitted by (3) Boykin Constant; on

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

#### 1.02 The Undersigned:

- A. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

. . .

2.	Addenda:	Number Number	$\frac{1}{2}$	Dated $\frac{12/3}{2015}$ Dated $\frac{12/3}{2015}$
		Number		Dated
		Number		Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - 2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - 3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - 4. To accomplish the work in accordance with the Contract Documents.
  - 5. To begin work no later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 547 calendar days of the date of the Notice to Proceed.

Name of Bidder

6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

## 1.03 Bid Schedule

The Bidder hereby agrees to perform all work as required by the Contract Documents for the following Unit Prices. All work required to be performed by the Contract Documents is to be included within the following Pay Items, inclusive of furnishing all manpower, equipment, materials and performance of all operations relative to construction of the project. Work for which there is not a Pay Item will be considered incidental to the Contract and no additional compensation will be allowed.

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ITEM No	DESCRIPTION	UNIT	QTY		TOTAL COST
1	General Conditions	LS	1	285,000 .00	285.000.00
2	Preconstruction Video	LS	1		18,500,00
3	Project Layout and Utility Locates	LS	1	210,000,00	210,000.00
4	Utility Maintenance of Traffic	LS	1		85 000,00
Water Mai					
5	Remove and Replace 8" WM	LF	142	.75. 00	10,650,00
6	Remove and Replace 16" WM	LF	9195		1,121, 790.00
7	Furnish & Install 8" 45° Bend	EA	11		5.500,00
8	Furnish & Install 16" 22.5° Bend	EA	24		24.3:00.00
9	Furnish & Install 16" 45° Bend	EA	84		88,200,00
10	Furnish & Install 16" 90° Bend	EA	2	1.075.00	2,150.00
11	Furnish & Install 8" Gate Valve	EA	1		2.750.00
12	Furnish & Install 8" Line Stop	EA	1	15,000,00	15,000.00
13	Furnish & Install 16" Line Stop	EA	2		55,000,00
14	Furnish & Install 16" x 8" Tee	EA	1	2,000,00	2,000.00
Force Mai				L	4,000
15	Furnish & Install 6" FM	LF	5	100.00	500,00
16	Remove and Replace 12" FM	LF	2460	155.00	381, 300,00
17	Furnish & Install 6" 45° Bend	EA	2	650,00	11300,00
18	Furnish & Install 12" 45° Bend	EA	20	950,00	19,000,00
19	Furnish & Install 6" Plug Valve	EA	1	2,200,00	21200,00
20	Furnish & Install 12" Dual Line Stop with By-pass	LF	2460	175,00	430,500.00
Reclaimed					970,300.
21	Furnish & Install 8" RWM	LF	40	45.00	1,800.00
22	Remove & Replace 12" RWM	LF	602		1,000.
23	Furnish & Install 8" 45° Bend	EA	4	400,00	11000.00
24	Furnish & Install 12" 45° Bend	EA	18	850.00	15,300,00
25	Furnish & Install 12" 90° Bend	EA	1	950,00	950,00
26	Furnish & Install 12"x 8" Tee	EA	<u> </u>	1,250,00	11250.00
27	Furnish & Install 12"x12" Tee	EA	2	11500.00	3,000,00
28	Furnish & Install 8" Gate Valve	EA	1	2,500,00	2,500.00
29	Furnish & Install 12" Gate Valve	EA	1	4.750.00	4,750,00
30	Furnish & Install 12" Cap	EA	1	100,00	(00,00
Demolitior	)		•••••••	100,00	1001-
31	Adjustment & Relocation of ARV	EA	9	8,500,00	76,500-00
32	Adjustment of Valve Collar	EA	34	200,00	61800,00
33	Relocate Valve	EA	9	5,000.00	
34	Remove 30" Steel Casing		60	750,00	45,000,00
35	Concrete Cap	LF	20	190.00	3,800.00
36	Opencut and Restore Roadway	SY	924	25.00	
	Total Bid (In Numbers)		544	49.00	23,100,00
					3,058,370.
	Total Bid (In Writing) Three million fift			D	. •
	hree million fift	ey ligi	at the	ousand th	ree hundred

#### NOTICE TO PROCEED FORM

TO:

raverse Group Inc BOX 121754 ermont FL 34712 DATE: anuary 21 20110

US 27 Phase 3 Utility Relocation PROJECT:

You are hereby notified to commence WORK in accordance with the Agreement dated Jobuary 22 2016 This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 547 calendar days of the date of this Notice to Proceed. Therefore, the date 313112017

ISSUED BY:

Utilities Inc. of Florida - Lake Utility Services (Name of OWNER)

By (Signature)

Bryank, Gongre, Regional Manager (Printed Name and Title)

#### ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by

By

Allicia Rochn-Corporate Secretary Printed Name and Title

#### END OF SECTION

#### AGREEMENT FORM

#### PART 1 GENERAL

1.01 THIS AGREEMENT, made this <u>21</u> day of <u>January</u>, <u>2016</u>, by and between <u>Utilities The of Florida</u>, hereinafter called the Owner, and <u>Traverse Group The</u>, whose principal and local address is <u>PD Bx 121154 Clermont FL</u>, hereinafter called the Contractor. <u>34712</u>

#### 1.02 The Owner and Contractor Agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bends, the Af-General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall berform all work required by the Contract Documents for the construction of the <u>US27\_Phase\_3\_Utility\_Relocation</u> <u>Phylect</u>.

#### C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is <u>547</u> calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER <u>\$250.00</u> for each calendar day

that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

### Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of Two <u>multion</u> Six hundred punctypine thousand

Thme <u>hundred thirty Stym</u>Dollars (<u>Seventy five</u>). ¢ Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein. 4 2, 699, 939, 15

F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions.

G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. The Owner is not obligated to reduce retainage at any time during the Contract, but may choose to do so at its discretion once the Work is at least 75% complete.

H. Engineer

The Project has been designed by CPH, Inc., referred to in the documents as the Engineer, whose authority during the progress of construction is defined in the General Conditions and Supplementary Conditions.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

Traverse Group, Inc Name of Firm

llen By (Signature)

Alicia Roehn - Carporate Secretary Printed Name and Title

ATTEST:

By (Signature)

Stephen A. Shafer - VP Printed Name and Title

OWNER:

Utilitics Inc. of Florida - Lakeltility Services. Name of Owner

By (Signature)

Bryank. Gongre, Regional Mgr. Printed Name and Title

ATTEST

By (Signature)

Printed Name and Title MING. NUMESI

END OF SECTION

(SEAL)

(SEAL)

ITEM NO	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	GENERAL CONDITIONS	LS	1.00	195,000.00	\$195,000.0
2	PRECONSTRUCTION VIDEO	LS	1.00	10,000.00	\$10,000.0
3	PROJECT LAYOUT AND UTILITIY LOCATES	LS	1.00	158,950.00	\$158,950.0
4	UTILITY MAINTENANCE OF TRAFFIC	LS	1.00	35,000.00	\$35,000.0
Water Mai	n				
5	REMOVE AND REPLACE 8" WM	LF	142.00	75.00	\$10,650.0
6	REMOVE AND REPLACE 16" WM	LF	9,195.00	142.63	\$1,311,482.8
7	FURNISH AND INSTALL 8" 45 BEND	EA	11.00	420.00	\$4,620.0
8	FURNISH AND INSTALL 16" 22 BEND	EA	24.00	650,00	\$15,600.00
9	FURNISH AND INSTALL 16" 45 BEND	EA	84.00	650.00	\$54,600.0
10	FURNISH AND INSTALL 16" 90 BEND	EA	2.00	650.00	\$1,300.0
11	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	1,500.00	\$1,500.00
12	FURNISH AND INSTALL 8" LINE STOP	EA	1.00	12,500.00	\$12,500.00
13	FURNISH AND INSTALL 16" LINE STOP	EA	2.00	22,575.00	Statement of the statem
14	FURNISH AND INSTALL 16X8 TEE	EA	1.00	750.00	\$45,150.0
Force Main			1.00	1 750.00	\$750.0
15	FURNISH AND INSTALL 6" FM	LF	5.00	150.00	+750.00
16	REMOVE AND REPLACE 12" FM	LF	2,460.00	146.29	\$750.00
17	FURNISH AND INSTALL 6" 45 BEND	EA	2,400.00	400.00	\$359,873.40
18	FURNISH AND INSTALL 12" 45 BEND	EA	20.00		\$800.00
19	FURNISH AND INSTAL 6" PLUG VALVE	EA	1.00	700.00	\$14,000.00
20	FURNISH AND INSTALL 12" DUAL LINE STOP BYPASS	LF	2,460.00	2,000.00	\$2,000.00
Reclaimed			2,400.00	75.00	\$184,500.00
21	FURNISH AND INSTALL 8" RWM	LET	40.00	110.00	
22	REMOVE AND REPLACE 12" RWM	LF	602.00		\$4,400.00
23	FURNISH AND INSTALL 8" 45 BEND	EA	4.00	250.00	\$75,701.50
24	FURNISH AND INSTALL 12" 45 BEND	EA	18.00		\$1,000.00
25	FURNISH AND INSTALL 12" 90 BEND	EA	1.00	400.00	\$7,200.00
26	FURNISH AND INSTALL 12X8 TEE	EA	1.00	400.00	\$400.00
27	FURNISH AND INSTALL 12X12 TEE	EA	2.00	500.00	\$500.00
28	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	600.00	\$1,200.00
29	FURNISH AND INSTALL 12" GATE VALVE	EA	1.00	2,150.00	\$2,150.00
30	FURNISH AND INSTALL 12" CAP	EA	1.00	3,500.00	\$3,500.00
DEMOLITIO		1 10 1	1.00	250.00	\$250.00
31	ADJUSTMENT AND RELOCATION OF ARV	EA	9.00	E 250.00	151 750 10
32	ADJUSTMENT OF VALVE COLLAR	EA	34.00	5,750.00	\$51,750.00
33	RELOCATE VALVE	EA	9.00	350.00	\$11,900.00
34	REMOVE 30" STEEL CASING	LF	60.00	6,500.00	\$58,500.00
35	CONCRETE CAP	LF	20.00	350.00	\$21,000.00
36	OPEN CUT AND RESTORE ROADWAY	SY	924.00	225.00	\$4,500.00
	Total Bid (In Numbers)	1 51 1	924.00	40.00	\$36,960.00
	Total Bid (In Writing) Two Million, Six Hundred Nine			\$2,699	,937.75

TRAVERSE GROUP, INC.

Name of Bidder

#### NOTICE TO PROCEED FORM

TO:

Manuerse Group Inc BOX 121754 34712 ermont FL DATE: anuary 21 2010 US 27 Phase 3 Utility Relocation

PROJECT:

You are hereby notified to commence WORK in accordance with the Agreement dated construction, and, in accordance with the Agreement, all work shall be substantially complete within 547 calendar days of the date of this Notice to Proceed. Therefore, the date 5131/2017

ISSUED BY:

Utilities Inc. of Florida - Lake Utility Services (Name of OWNER)

By (Signature)

Bryank. Gongrey Regional Manager (Printed Name and Title)

#### ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by

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( )	0		
	<u>k</u>		
By		and the second states and the second states	
Cy			

Allcia Rochn Corporate Secretary Printed Name and Title

END OF SECTION

#### AGREEMENT FORM

#### PART 1 GENERAL

1.01 THIS AGREEMENT, made this <u>21</u> day of <u>January</u>, <u>2016</u>, by and between <u>Utilities The Of Florida</u>, hereinafter called the Owner, and <u>Traverse Group, The</u>, whose principal and local address is <u>RUBX 121154 Clermont FL</u>, hereinafter called the Contractor. <u>34712</u>

#### 1.02 The Owner and Contractor Agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bonds, the AC General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall berform all work required by the Contract Documents for the construction of the <u>US 27 Phase 3 Utility Relocation</u> <u>Photect</u>.

#### C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is <u>547</u> calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER §250.00 for each calendar day

that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

#### Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of Two <u>multion</u> Six hundred <u>mustypine</u> thousand

nine <u>hundred thirty Stym</u>Dollars (<u>Seventy five</u>). 4 Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein. # 2,699,933,75

#### F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions.

#### G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. The Owner is not obligated to reduce retainage at any time during the Contract, but may choose to do so at its discretion once the Work is at least 75% complete.

#### H. Engineer

The Project has been designed by CPH, Inc., referred to in the documents as the Engineer, whose authority during the progress of construction is defined in the General Conditions and Supplementary Conditions.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

Traverse Group, Inc Name of Firm

By (Signature)

Alicia Roehn - Corporate Secretary Printed Name and Title

ATTEST:

By (Signature)

Stephen A. Shafer - VP Printed Name and Title

OWNER:

Utilitics Inc. of Florida - Lake Utility Services. Name of Owner

By (Signature)

Bryan K. Congre, Regional Mgr. Printed Name and Title

ATTEST: By (Signature)

MATE CARVER, BUSINESS Printed Name and Title MNG.

END OF SECTION

(SEAL)

(SEAL)

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	GENERAL CONDITIONS	LS	1.00	195,000.00	\$195,000.0
2	PRECONSTRUCTION VIDEO	LS	1.00	10,000.00	\$10,000.0
3	PROJECT LAYOUT AND UTILITIY LOCATES	LS	1.00	158,950.00	\$158,950.00
4	UTILITY MAINTENANCE OF TRAFFIC	LS	1.00	35,000.00	\$35,000.00
Water Main	n			1	400,000,0
5	REMOVE AND REPLACE 8" WM	LF	142.00	75.00	\$10,650.00
6	REMOVE AND REPLACE 16" WM	LF	9,195.00	142.63	\$1,311,482.85
7	FURNISH AND INSTALL 8" 45 BEND	EA	11.00	420.00	\$4,620.00
8	FURNISH AND INSTALL 16" 22 BEND	EA	24.00	650.00	\$15,600.00
9	FURNISH AND INSTALL 16" 45 BEND	EA	84.00	650.00	\$54,600.00
10	FURNISH AND INSTALL 16" 90 BEND	EA	2.00	650.00	\$1,300.00
11	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	1,500.00	\$1,500.00
12	FURNISH AND INSTALL 8" LINE STOP	EA	1.00	12,500.00	\$12,500.00
13	FURNISH AND INSTALL 16" LINE STOP	EA	2.00	22,575.00	\$45,150.00
14	FURNISH AND INSTALL 16X8 TEE	EA	1.00	750.00	\$750.00
Force Main		-d		1 100100	\$750.00
15	FURNISH AND INSTALL 6" FM	LF	5.00	150.00	\$750.00
16	REMOVE AND REPLACE 12" FM	LF	2,460.00	146.29	\$359,873.40
17	FURNISH AND INSTALL 6" 45 BEND	EA	2.00	400.00	\$800.00
18	FURNISH AND INSTALL 12" 45 BEND	EA	20.00	700.00	\$14,000.00
19	FURNISH AND INSTAL 6" PLUG VALVE	EA	1.00	2,000.00	and the second s
20	FURNISH AND INSTALL 12" DUAL LINE STOP BYPASS	LF	2,460.00	75.00	\$2,000.00
Reclaimed		1 - 1	2/100100	1 /3.00	\$184,500.00
21	FURNISH AND INSTALL 8" RWM	LF	40.00	110.00	£4 400 0V
22	REMOVE AND REPLACE 12" RWM	LF	602.00	125.75	\$4,400.00
23	FURNISH AND INSTALL 8" 45 BEND	EA	4.00	250.00	\$1,000.00
24	FURNISH AND INSTALL 12" 45 BEND	EA	18.00	400.00	\$7,200.00
25	FURNISH AND INSTALL 12" 90 BEND	EA	1.00	400.00	\$400.00
26	FURNISH AND INSTALL 12X8 TEE	EA	1.00	500.00	\$500.00
27	FURNISH AND INSTALL 12X12 TEE	EA	2.00	600.00	\$1,200.00
28	FURNISH AND INSTALL 8" GATE VALVE	EA	1.00	2,150.00	\$2,150.00
29	FURNISH AND INSTALL 12" GATE VALVE	EA	1.00	3,500.00	\$3,500.00
30	FURNISH AND INSTALL 12" CAP	EA	1.00	250.00	\$250.00
DEMOLITIO	N	-t- ind		2.50.00	\$250.00
31	ADJUSTMENT AND RELOCATION OF ARV	EA	9.00	5,750.00	\$51,750.00
32	ADJUSTMENT OF VALVE COLLAR	EA	34.00	350.00	\$11,900.00
33	RELOCATE VALVE	EA	9.00	6,500.00	\$58,500.00
34	REMOVE 30" STEEL CASING	LF	60.00	350.00	\$21,000.00
35	CONCRETE CAP	LF	20.00	225.00	\$4,500.00
36	OPEN CUT AND RESTORE ROADWAY	SY	924.00	40.00	\$36,960.00
	Total Bid (In Numbers)		a destruction of the	I	,937.75
	Total Bid (In Writing) Two Million, Six Hundred Nine			\$2,099	1931.13

TRAVERSE GROUP, INC.

Name of Bidder

+						SU	BCO	ONTRA	ACTOR AP	PLICATIC	ON FOR PA	AYMENT		
Company:	TRAVERSE GROUP, INC	2055	14			PROJECT:	US 27	/ Utility R	elocation Phase	3 LUSI	and the second	JOB NO.:	2000	
Address:	PO BOX 121754									AF	PLICATION FOR PA	AYMENT NO.	1	
City:	CLERMONT	State:	FL	Zip:	34712						PERI	OD ENDING:	1.31.16	
Phone:	352.409.6630	Fax:	877.5	32.8247						SUBCONTRACTORS INVOICE #:				
	Contract Pay I	Contract Pay Items Previous Payments Work Performed this Period Total to Date		Date	1.43									
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity		Total	Quantity	Total	Quantity	Total	% Complete	
1	General Conditions	1.000	LS	\$ 195,000.00	\$ 195,000.00		s	~	0.300	\$ 58,500.00	0.300 \$	58,500.00	30%	
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00		5		1.000	\$ 10,000.00	1.000 \$	10,000.00	100%	
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00		5		0.500	\$ 79,475.00	0.500 \$	79,475.00	50%	
4	Utility Maintenance of Traffic	1.000	LS	\$ 35,000.00	\$ 35,000.00		s	-	0.200	\$ 7,000.00	0.200 \$	7,000.00	20%	
WM	The contract of the second	The second	1	( Lange Lang	s -		s	-		5 -	s	(		
1	R&R S" WM	142.000	LF	\$ 75.00	\$ 10,650.00		s	22		5	s			
2	R&R 16" WM	9,195.000	LF	\$ 142.63	\$ 1,311,482.85		5				s			
3	F&I 8" 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00		s				s	1		
4	F&I 16" 22 Bend	24.000	EA	\$ 650.00	\$ 15,600.00	And I have	s				\$			
5	F&I 16" 45 Bend	84.000	EA	\$ 650.00	\$ 54,600.00		s	÷.			s			
6	F&I 16" 90 Bend	2.000	EA	\$ 650.00	\$ 1,300.00		s				s			
7	F&I 8" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00		s				s			
8	F&I 8" Line Stop	1.000	EA	\$ 12,500.00	\$ 12,500.00		s				s			
9	F&I 15° Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00		c		The second second		s			
10	F&I 16x8 Tee	1.000	EA	\$ 750.00	\$ 750.00		s				s			
FM	For tone ree	1.000	LA.	\$ 750.00	5 750.00		s	-			s	-		
1	F8I 6" FM	5.000	LF	\$ 150.00	\$ 750.00		s				s			
2	R&R 12" FM	2,460.000				0	s				5			
3	F&I 6" 45 Bend		LF	and the second	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		s	**: 						
		2.000	EA		\$ 800.00			22			\$	-		
4	F&I 12" 45 Bend	20.000	EA	\$ 700.00	\$ 14,000.00		\$	26			\$			
5	F&I 6" Plug Valve	1.000	EA	\$ 2,000.00	\$ 2,000.00		\$				s			
6	F&I 12" Dual Line Stop Bypass	2,460.000	LF	\$ 75.00	\$ 184,500.00		\$				\$	5		
RWM				15	s -		\$	80			\$			
1	F&I 8" RWM	40.000	LF	\$ 110.00	\$ 4,400.00		\$				\$			
2	R&R 12" RWM	602.000	LF	\$ 125.75	\$ 75,701.50		5	*			\$	2		
3	F&I 8" 45 Bend	4.000	EA	\$ 250.00	\$ 1,000.00		\$	÷.'	1		\$			
4	F&I 12" 45 Bend	18.000	EA	\$ 400.00	\$ 7,200.00		\$		3		S			
5	F&I 12" 90 Bend	1.000	EA	\$ 400.00	\$ 400.00		\$	÷			\$			
6	F&I 12x8 Tee	1.000	EA	\$ 500.00	\$ 500.00		\$	<b>*</b> 2	111-11-11-11-11-11-11-11-11-11-11-11-11	5 -	\$			
7	F&I 12x12 Tee	2.000	EA	\$ 600.00	\$ 1,200.00		\$	*		5 -	\$	· · · ·		
8	F&I 8" GV	1.000	EA	\$ 2,150.00	\$ 2,150.00		\$	<u>.</u>			\$			
9	F&I 12" GV	1.000	EA	\$ 3,500.00	\$ 3,500.00		\$	-	4	5 -	s			
10	F&I 12" Cap	1.000	EA	\$ 250.00	\$ 250.00		\$	- 20		5 -	\$			
DEMO					ş -		\$	<b>5</b> 2	1	5 ~	\$	34		
1	Adjust and Relocate ARV	9.000	EA	\$ 5,750.00	\$ 51,750.00		\$		1	5 .	\$	2		
2	Adjust Valve Collar	34.000	EA	\$ 350.00	\$ 11,900.00		5	•		5	s			
3	Relocate Valve	9.000	EA	\$ 6,500.00	\$ 58,500.00	1 44 17 H	\$	-		5 -	5	1		
4	Remove 30" Steel Casing	60.000	LF	\$ 350.00	\$ 21,000.00	222.1.2.2	\$			5 -	5			
5	Concrete Cap	20.000	LF	\$ 225.00	\$ 4,500.00		\$	÷		5	s	54 C		
6	Open Cut and Restore Roadway	924.000	SY	\$ 40.00	\$ 36,960.00		5		4		s			
			4.00		s -		\$	**		s	s			

Company:	TRAVERSE GROUP, INC					PROJECT:	US 27 1	Utility Relocat	ion Phase 3 L	USI		JOB NO.:	1232
Address:	PO BOX 121754		-				07			A	PPLICATION FOR PAY	MENT NO.	1
City:	CLERMONT	State:	FL	Zip:	34712						PERIO	D ENDING:	1.31.16
Phone:	352.409.6630	Fax:	877.532	.8247							SUBCONTRACTORS	INVOICE #:	2015UI2D1
					s -		\$	a 199	5	-	s	141	
		ORIGINAL	CONTRAC	T TOTALS	\$ 2,699,937.75		\$	-	\$	154,975.00	\$	154,975.00	100.0%

	Authorized	Change Orders	1	1		Previou	s Payments	Pay Requ	est this Period	Tota	I to Date	e	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	т	Total	% Complete
					s -		ş -	Contract and	\$ -		\$		
			1.00		s .		s -		\$ -		s	100	
			1		\$ -		5 -	1.11	5 -		s	ನಕನ	
		A State of the second			s -		5 -		\$		s		
		CHA	NGE ORI	DER TOTALS	\$ -		s -		s -		s		
	RACTOR certifies that: (1) all items and amounts show the terms and conditions of the Subcontract Documer		2.95.51.52.9				Work Perfor	med to Date on O	riginal Contract Amo	unt	\$ 1	54,975.00	
							Materials St Total Compl Retainage To Less Previou	med on Change O ored eted & Stored Be Withheld s Payments / App ount Due This Ap	10%	1	\$ \$	- 54,975.00 15,497.50 - 39,477.50	

Company:	TRAVERSE GROUP, INC					PROJECT:	US 27 Utility R	elocation Phase	e 3 LUSI		JOB NO.:	11. XI
	PO BOX 121754		12.5	1. 1. 1. 1.					AF	PLICATION FOR P	AYMENT NO.	2
	CLERMONT	State:	FL	Zip	34712					PER	IOD ENDING:	2.29.16
	352.409.6630	Fax:	877.5	32.8247						SUBCONTRACTOR	IS INVOICE #:	2015UI2D2
1.2.20	Contract Pay	Items		1000	49 X9-21	Previous	Payments	Work Perfor	med this Period	Total to	Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	LS	\$ 195,000.00	\$ 195,000.00	0.300	\$ 58,500.00	0.500	\$ 97,500.00	0.800 \$	156,000.00	80%
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00	1.000	\$ 10,000.00	1	s -	1.000 \$	10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00	0.500	\$ 79,475.00	0.300	\$ 47,685.00	0.800 \$	127,160.00	80%
4	Utility Maintenance of Traffic	1.000	LS	\$ 35,000.00	\$ 35,000.00	0.200	\$ 7,000.00	0.200	\$ 7,000.00	0.400 \$	14,000.00	40%
WM		1.5-7 -6	120		\$ .		s -		\$ -	\$		
1	R&R S" WM	142.000	LF	\$ 75.00	\$ 10,650.00		s -	1 million in the	s -	s		
2	R&R 16" WM	2,750.000	LF	\$ 142.63	\$ 392,232.50		\$ -	1,500.000	\$ 213,945.00	1,500.000 \$	213,945.00	55%
3	Lower 16" WM	1,500.000	LF	\$ 105.00	\$ 157,500.00		s -	1,725.349	\$ 181,161.65	1,725.349 \$	181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.00	\$ 19,600.00		\$ -		\$	\$		
5	F&I 8" 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00		s -		\$	s	54	
6	F&I 15" 22 Bend	5.000	EA	\$ 650.00	\$ 3,250.00		s -		s -	s		
7	F&I 16" 45 Bend	24.000	EA	\$ 650.00	\$ 15,600.00		s	14.000	\$ 9,100.00	14.000 \$	9,100.00	58%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.00			s -		s -	s		
9	F&I 15" Long Sleeve		EA	\$ 650.00			\$ -	1	s -	s	5	
10	F&I 8" GV	1.000	EA	\$ 1,500.00			5 -		5	s	s. 52	
10	F&I 8" Line Stop	1.000	EA	\$ 12,500.00			\$ -	The second second	\$ .	s		
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00			\$		\$	s		
	F&I 16x8 Tee	1.000	EA	\$ 750.00			s -	The second second	s -	s		
13		900.000	LF	\$ 165.00			5	ALC: N. C. C.	\$	s		
14	Directional Bore 16" WM	900.000	U	5 105.00	5 146,500.00		s -		\$ .	s		
FM		5.000	LF	\$ 150.00	\$ 750.00		s -		s -	s		
1	F&I 6" FM	5.000	UF	\$ 146.29			s -		s -	s		
2	R&R 12" FM	1 070 000		And a second	a constant		s .	200.000	\$ 29,258.00	200.000 \$		19%
3	Lower 12" FM	1,050.000	LF				s .	200.000	\$ 29,238.00	200.000 \$		1976
4	12" Joint Restraints	10.000	EA	\$ 550.00			s -	1.0.0	s -	5		
5	F&I 6" 45 Bend		EA	\$ 400.00						s		
6	F&I 12" Long Sleeve	-	EA	\$ 700.00			\$ -					
7	F&I 12* 45 Bend	-	EA	\$ 700.00			\$ -	1	s . s .	s		
8	F&I 6" Plug Valve		EA	\$ 2,000.00			s -	1	-	\$		
9	F&I 12" Dual Line Stop Bypass	-	LF	\$ 75.00			\$ -		s -	5		
RWM					s -		\$ -		\$	5		
1	F&I 8" RWM	40.000	LF	\$ 110.00			5 -		5 -	\$		
2	R&R 12" RWM	602.000	LF	\$ 125.75			s -		\$	5		
3	12" Joint Restraints	-	EA	\$ 550.00			\$ -		\$ -	s		
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00			\$ -		s -	s		
5	F&I 12" 45 Bend	20.000		\$ 400.00			s -		s -	s		
6	F&I 12" Long Sleeve		EA	\$ 400.00			\$ -	-	\$	s		
7	F&I 12" 90 Bend	1.000	EA	\$ 400.00			\$ -		s -	Ś	24.1	
8	F&I 12x8 Tee	1.000	EA	\$ 500.00			\$ -		\$ -	s	8	
9	F&I 12x12 Tee	2.000	EA	\$ 600.00	\$ 1,200.00		s -		s -	5	2 · · · ·	
10	F&I 8" GV	1.000	EA	\$ 2,150.00	\$ 2,150.00		\$ -		s -	5	8	
11	F&I 12" GV	1.000	EA	\$ 3,500.00	\$ 3,500.00		s -		s -	s	S	

Company:	TRAVERSE GROUP, INC		_					PROJECT:	US.	27 Utility Rela	ocation Phas	e s Li	721		JOB NO.:	100
Address:	PO BOX 121754	Part and and		-									APPL	CATION FOR P	AYMENT NO.	2
City:	CLERMONT	State:	FL		Zip:	2	34712							PER	OD ENDING:	2.29.16
Phone:	352.409.6630	Fax:	877.5	532.8	247								su	BCONTRACTOR	S INVOICE #:	2015UI20
12	F&I 12" Cap	1.000	EA	5	250.00	\$	250.00		\$			\$		\$		
13	Directional Bore 12" RWM	900.000	LF	\$	140.00	5	126,000.00		\$			\$		\$		-
DEMO						\$			5			\$	5×	\$	-	
1	Adjust and Relocate ARV	9.000	EA	\$	5,750.00	5	51,750.00	-22.2	5			s		s		
2	Adjust Valve Collar	34.000	EA	\$	350.00	\$	11,900.00		\$	-		\$		\$		-
3	Relocate Valve	1.000	EA	s	6,500.00	\$	6,500.00		\$	-	0.500	\$	3,250.00	0.500 \$	3,250.0	1
4	Remove 30" Steel Casing		LF	\$	350.00	s	200	and and	5			5		\$		
5	Concrete Cap	20.000	LF	\$	225.00	s	4,500.00		\$			\$		\$	. Sa	-
6	Open Cut and Restore Roadway	924.000	SY	5	40.00	\$	36,960.00	and the second	\$			\$		5		
			1	150		\$	£1.	110000	\$			\$		5	2	2
			1			s	+0		5		1927	\$		\$		
		and the second sec		1		\$	÷.		\$			\$		5		
		ORIGINAL	CONT	RACT	TOTALS	\$	1,706,668.50		\$	154,975.00		\$	588,899.65	\$	743,874.6	5 100.0%

	Authorized	Change Orders					Previou	is Payr	ments	Pay Requ	est thi	is Period	Tota	l to D	ate	
Item Number	Description	Quantity	U/M	Unit Price		Total	Quantity	10.0	Total	Quantity		Total	Quantity		Total	% Complete
Searchard Internet					\$		121-1-1	\$	-	1.00	\$			\$	575	
70 Sec. 24 6.52	Potential Contraction				\$			\$			5			\$	19471	
			1.5		\$		45	\$	-		5			\$	1.000	
					\$			\$			\$	547.1		\$	(a)	
		CHA	NGE OR	DER TOTALS	\$	2.60		\$	-		\$			\$		
	KCTOR certifies that: (1) all items and amounts sho terms and conditions of the Subcontract Documer and conditions of the Subcontract Documer		-	ned and materials				W M To Re	/ork Performe laterials Store otal Complete etainage To B	ed & Stored	rders	10%	-	\$ \$ \$ \$ \$ \$ \$	743,874.65 - - 743,874.65 70,964.85 139,477.49	-
Alicía Rochn			2/24/20					Pa	ayment Amou	unt Due This Ap	plicatio	on		\$	533,432.30	1
	SUBCONTRACTOR SIGNITURE			DATE	1			_								

+						SUE	BCONTRA	ACTOR A	PPLICATIO	ON FOR P.	AYMENT	
Company:	TRAVERSE GROUP, INC	273.111		144.00		PROJECT:	US 27 Utility R	elocation Phase	e 3 LUSI	and the second	JOB NO .:	
Address:	PO BOX 121754	THE REAL PROPERTY.	-						A	PLICATION FOR P	AYMENT NO.	3
City:	CLERMONT	State:	FL	Zip:	34712					PER	RIOD ENDING:	3.31.16
Phone:	352.409.6630	Fax:	877.5	32.8247						SUBCONTRACTO	RS INVOICE #:	2015UI2D3
-	Contract Pay I	tems				Previous	Payments	Work Perform	med this Period	Total to	o Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	LS	\$ 195,000.00	\$ 195,000.00	0.800	\$ 156,000.00	0.150	\$ 29,250.00	0.950	185,250.00	95%
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00	1.000	\$ 10,000.00		\$ -	1.000 \$	10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00	0.800	\$ 127,160.00	0.150	\$ 23,842.50	0.950	151,002.50	95%
4	Utility Maintenance of Traffic	1.000	IS	\$ 35,000.00	\$ 35,000.00	0.400	\$ 14,000.00	0.400	\$ 14,000.00	0.800	28,000.00	80%
WM					s		\$ -			s		
1	R&R S" WM	142.000	LF	\$ 75.00	\$ 10,650.00		s -		\$	5	5	
2	R&R 16" WM	2,750.000	LF	\$ 142.63	\$ 392,232.50	1,500.000	\$ 213,945.00	1,100.000	\$ 156,893.00	2,600.000 \$	370,838.00	95%
3	Lower 16" WM	1,500.000	LF	\$ 105.00	\$ 157,500.00	1,725.349	\$ 181,161.65		\$ -	1,725.349 \$	181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.00	\$ 19,600.00		s -	28.000	\$ 19,600.00	28.000	19,600.00	100%
5	F&I 8" 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00		s -	5.000	\$ 2,100.00	5.000 \$	2,100.00	45%
6	F&I 16" 22 Bend	5.000	EA	\$ 650.00	\$ 3,250.00		s -	5.000	\$ 3,250.00	5.000 \$	3,250.00	100%
7	F&I 16" 45 Bend	24.000	EA	\$ 650.00	\$ 15,600.00	14.000	\$ 9,100.00	10.000	\$ 6,500.00	24.000	15,600.00	100%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.00	\$ 1,300.00		5 -		\$ -	4		
9	F&I 15" Long Sleeve	0.5	EA	\$ 650.00	5 -		s -		5 -	4		
10	F&I 8" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00		s -		\$ -	4	5	
11	F&I 8" Line Stop	1.000	EA	\$ 12,500.00	\$ 12,500.00		\$ -		\$			
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00		s -		s -	4	-	
13	F&I 16x8 Tee	1.000	EA	\$ 750.00	\$ 750.00		s -		5 -			
14	Directional Bore 16" WM	900.000	LF	\$ 165.00	\$ 148,500.00		\$ -	850.000	\$ 140,250.00	850.000	140,250.00	94%
FM					s -		\$		\$	4		
1	F&I 6" FM	5.000	LF	\$ 150.00	\$ 750.00		5 -		5 -			
2	R&R 12" FM		LF	\$ 146.29	s .		5		\$			
3	Lower 12" FM	1,050.000	LF	\$ 146.29	\$ 153,604.50	200.000	\$ 29,258.00		\$ -		29,258.00	19%
4	12" Joint Restraints	10.000	EA	\$ 550.00	\$ 5,500.00		\$ .	10.000	\$ 5,500.00	10.000		100%
5	F&I 6" 45 Bend		EA	\$ 400.00	s -		5 -		5 -			
6	F&I 12" Long Sleeve		EA	\$ 700.00	\$ .		5 -		s -	4		
7	F&I 12" 45 Bend		EA	\$ 700.00	5 -		\$ .		5 -			
8	F&I 5" Plug Valve	(a) (a)	EA	\$ 2,000.00	s -		s -	A CONTRACTOR	5 -			
9	F&I 12" Dual Line Stop Bypass		LF	\$ 75.00	s -	A CONTRACTOR	5	1	\$			
RWM			-		s .		s -		s -		-	
1	F&I 8" RWM	40.000	LF	\$ 110.00	\$ 4,400.00		s -		s	-		
2	R&R 12" RWM	602.000	LF	\$ 125.75	\$ 75,701.50	and the second second	s -		5 -	-		
3	12" Joint Restraints		EA	\$ 550.00	\$ -		s -		5 -			
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00	\$ 1,000.00		5		\$ -			
5	F&I 12" 45 Bend	20.000	and the second	\$ 400.00	-		s -		\$ -		5	
6	F&I 12" Long Sleeve		EA	\$ 400.00			s -		\$ -			
7	F&I 12" 90 Bend	1.000		\$ 400.00			s -	The second second	s .		3	
8	F&I 12x8 Tee	1.000	1	\$ 500.00			s -		\$ -		;	
9	F&I 12x12 Tee	2.000		\$ 600.00			5 -		s -			
10	F&I 8" GV	1.000		\$ 2,150.00			s .		5			
10	F&I 12" GV	1.000		\$ 3,500.00			s .		s -	3		

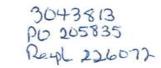
	TRAVERSE GROUP, INC		-			1		PROJECT:	-	5 27 Utility Relo						2
Address:	PO BOX 121754	and the second sec	-	-		2							APPL	ICATION FOR I	PAYMENT NO.	3
City:	CLERMONT	State:	FL		Zip:	2	34712							PE	RIOD ENDING:	3.31.10
Phone:	352.409.6630	Fax:	877.5	532.8	247	<u>(</u>							SU	BCONTRACTO	RS INVOICE #:	2015UI2
12	F&I 12" Cap	1.000	EA	\$	250.00	\$	250.00	1.2000	5		The start	\$	042.0		\$ -	
13	Directional Bore 12" RWM	900.000	UF	\$	140.00	\$	126,000.00		\$		850.000	\$	119,000.00	850.000	\$ 119,000.00	94%
DEMO		and the second second				\$	21	Ser	\$	-		5	50001		s -	
1	Adjust and Relocate ARV	9.000	EA	\$	5,750.00	\$	51,750.00	124	5	-	2.000	5	11,500.00	2.000	\$ 11,500.00	22%
2	Adjust Valve Collar	34.000	EA	\$	350,00	\$	11,900.00	Cares.	\$			5	1943		s -	
3	Relocate Valve	1.000	EA	\$	6,500.00	\$	6,500.00	0.50	00 \$	3,250.00	0.500	\$	3,250.00	1.000	\$ 6,500.00	
4	Remove 30" Steel Casing		LF	\$	350.00	\$		1. 1. 1. 1. 1. 1.	\$	-		\$			\$-	
5	Concrete Cap	20.000	LF	\$	225.00	\$	4,500.00	100	\$			\$	141		\$ -	
6	Open Cut and Restore Roadway	924.000	SY	5	40.00	\$	36,960.00		\$	-	14 C 11	5	<ul> <li>•</li> </ul>		s -	
				1.15	1	\$			\$			\$	140 L		\$-	
			12			\$	×.		5	~		5			s -	
214 B.				1	1000	\$			5	-		\$			ş -	-
		ORIGINAL	CONTR	RACT	TOTALS	\$ :	1,706,668.50		\$	743,874.65		\$	534,935.50		\$ 1,278,810.15	

	Authorized (	Change Orders				Previou	us Pay	yments	Pay Reque	st th	is Period	Total	to Date	10-11-11-
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity		Total	Quantity		Total	Quantity	Total	% Complete
1	Change Order 1 - Relocate Addt. Valves	3.000	EA	\$ 6,500.00	\$ 19,500.00		s		3.000	\$	19,500.00	3.000	\$ 19,500.00	100%
	and the second				s - s -		\$	-		5	-		s -	
		The second second		1000	\$ -		\$	· · ·		\$	1.1	_	\$ -	
		CHAI	NGE OF	DER TOTALS	\$ 19,500.00		\$			\$	19,500.00		\$ 19,500.00	
supplied fully co	5 SUBCONTRACTOR certifies that: (1) all items and amounts sho imply with the terms and conditions of the Subcontract Documer							Work Performe Materials Store Total Complete Retainage To B Less Previous P	ed & Stored e Withheld Payments / Appli	ders	10% ns (Less Retaina	nt - -	\$ 1,278,810.15 \$ 19,500.00 \$ - \$ 1,298,310.15 \$ 1,298,310.15 \$ 126,408.40 \$ 672,909.80 \$ 409.001.05	
Alicia Rochn			2/24/2		1		1.3	Payment Amou	unt Due This App	licatio	on		\$ 498,991.95	
	SUBCONTRACTOR SIGNITURE			DATE			_							

+						SU	BCONTRA	ACTOR A	PPLICATIO	ON FOR I	PAYMENT	0
Company:	TRAVERSE GROUP, INC					PROJECT:	US 27 Utility R	elocation Phas	e 3 LUSI		JOB NO.:	
Address:	PO BOX 121754	A COLUMN		1 - 2 - 2					A	PPLICATION FOR	PAYMENT NO.	4
City:	CLERMONT	State:	FL	Zip:	34712					P	ERIOD ENDING:	4.30.16
Phone:	352.409.6630	Fax:	877.5	32.8247						SUBCONTRACT	ORS INVOICE #:	2015UI2D4
	Contract Pay I	tems	5			Previou	s Payments	Work Perfor	med this Period	Total	to Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	LS	\$ 195,000.00	\$ 195,000.00	0.950				1.000	\$ 195,000.00	100%
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00	1.000			\$ .	1.000	\$ 10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00	0.950				1.000	\$ 158,950.00	100%
4	Utility Maintenance of Traffic	1.000	IS	\$ 35,000.00	\$ 35,000.00	0.800		0.150		0.950	\$ 33,250.00	95%
WM		1.000		5 55,000.00	s -	0.000	5 -		5,250.00	0.020	\$ -	
1	R&R 8" WM	142.000	UF	\$ 75.00	\$ 10,650.00		5		4		5 -	
2	R&R 16" WM	2,750.000	UF	\$ 142.63	\$ 392,232.50	2,600.000	\$ 370,838.00	150.000	\$ 21,394.50	2,750.000	\$ 392,232.50	100%
3	Lower 16" WM	1,500.000	LF	\$ 105.00	\$ 157,500.00	1,725.349			\$ -	1,725.349	\$ 181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.00	\$ 19,600.00	28.000			s -	28.000	\$ 19,600.00	100%
5	F&I 8" 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00	5.000			27	11.000	\$ 4,620.00	100%
6	F&I 16" 22 Bend	5.000	EA	\$ 650.00	\$ 3,250.00	5.000			s -	5.000	\$ 3,250.00	100%
7	F&I 16" 45 Bend	24.000	EA	\$ 650.00	\$ 15,600.00	24.000			\$ .	24.000	\$ 15,600.00	100%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.00	\$ 1,300.00	24.000	s -		\$ -	24.000	5	100.0
9	F&I 16" Long Sleeve	2.000	EA	\$ 650.00	s -		5 -	1000	s -		5	
10	F&I 8" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00	In the second	s -	1	s -		5 -	
10	F&I 8" Line Stop	1.000	EA	\$ 12,500.00	\$ 12,500.00		s -		s -		5 -	
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00	1	s -		\$ -		5	
12	F&I 16x8 Tee	1.000	EA	\$ 750.00	\$ 750.00				· ·		5	
13	Directional Bore 16" WM	900.000	LF	\$ 165.00	\$ 148,500.00	850.000	\$ 140,250.00	50.000	\$ 8,250.00	900.000	\$ 148,500.00	100%
FM	Directional pore 10 WW	500.000	u	\$ 105.00	s 146,500.00	830,000	e 140,230.00	50.000	6	500.000	5 148,300.00	100%
1	F&I 6" FM	5.000	LF	\$ 150.00	\$ 750.00		s -		5		5 -	
2	R&R 12" FM	5.000	LF	\$ 146.29	s -		s .		5 -		5 .	
3		1 050 000				202.000				202.000		270
	Lower 12" FM	1,050.000	UF			200.000		80.000	\$ 11,703.20 \$ -	280.000	\$ 40,961.20	27%
4	12" Joint Restraints	10.000	EA		\$ 5,500.00	10.000			s -	10.000	\$ 5,500.00	100%
	F&i 6* 45 Bend		EA		s .		5 -				s -	
6 7	F&I 12" Long Sleeve	1000	EA		s -		\$ - \$ -				5 -	
-	F&I 12" 45 Bend		EA	\$ 700.00	s -	-	1					
8	F&I 6" Plug Valve	-	EA	\$ 2,000.00		-			\$ -			
9	F&I 12" Dual Line Stop Bypass		LF	\$ 75.00	s . s .		5 -		5 -		s -	
RWM							5 -		5		s -	
1	F&I 8" RWM	40.000	UF	\$ 110.00			s -		S		s -	
2	R&R 12" RWM	602.000	UF	\$ 125.75			\$ -		\$ -		5 -	
3	12" Joint Restraints		EA	\$ 550.00		-	5 -		\$		5 -	
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00	\$ 1,000.00	1	\$ -		S Sala		5 -	
5	F&I 12" 45 Bend	20.000	EA	\$ 400.00			s -		\$ -		5 -	
6	F&I 12" Long Sleeve	-	EA	\$ 400.00	s -		5 -		\$		s -	
7	F&I 12" 90 Bend	1.000	EA	\$ 400.00			5 -		\$ -		\$ -	-
8	F&I 12x8 Tee	1.000	EA	\$ 500.00	\$ 500.00	-	\$ -		5		5 -	
9	F&I 12x12 Tee	2.000	EA	\$ 600.00	\$ 1,200.00	-	\$ -		5		\$	
10	F&I 8" GV	1.000	EA	\$ 2,150.00	\$ 2,150.00		\$ -		\$		\$ -	
11	F&I 12" GV	1.000	EA	\$ 3,500.00	\$ 3,500.00		\$ -		\$ 20		\$ -	

Address	PO BOX 121754	And a second second	-										A00	LICATION FOR	PAYM	ENT NO	4
	CLERMONT	State:	FI	-	Zip:		34712									ENDING:	4.30.16
	352.409.6630	Fax:		532.8			34/12						S	UBCONTRACTO			2015UI2D
12	F&I 12" Cap	1.000	EA	\$	250.00	\$	250.00		\$	-		\$	6.00		\$		
13	Directional Bore 12" RWM	900.000	LF	5	140.00	5	126,000.00	850.000	\$	119,000.00	50.000	5	7,000.00	900.000	\$	126,000.00	100%
DEMO				1		\$			\$	-		\$			\$	(1983)	
1	Adjust and Relocate ARV	9.000	EA	s	5,750.00	s	51,750.00	2.000	\$	11,500.00	1.000	\$	5,750.00	3.000	\$	17,250.00	33%
2	Adjust Valve Collar	34.000	EA	\$	350.00	\$	11,900.00		\$	-		\$	1.00		\$	1.00	
3	Relocate Valve	1.000	EA	\$	6,500.00	\$	6,500.00	1.000	\$	6,500.00		s	1.000	1.000	\$	6,500.00	
4	Remove 30" Steel Casing		LF	\$	350.00	5		24	5	-		\$	7.45		\$		
5	Concrete Cap	20.000	LF	\$	225.00	\$	4,500.00		\$	-		\$	1.00		\$	1.000	
6	Open Cut and Restore Roadway	924.000	SY	s	40.00	\$	36,960.00		5			\$	1.4		5	1.82	
						\$			\$	-		5	1253		\$		
						\$			\$			5	2.412		\$		
		No. of the second	-	-		\$	×.,		5	~		s	1.0		\$	-	
		ORIGINAL	CONTR	RACT	TOTALS	\$ 1	,706,668.50		\$	1,278,810.15		\$	79,565.20		\$ 1,3	358,375.35	

	Authorized Cha	ange Orders	-	27.15			Previous	Pay	ments	Pay Reque	st th	nis Period	Total	to [	Date	
Item Number	Description	Quantity	U/M	Unit Price	Тс	otal	Quantity		Total	Quantity		Total	Quantity		Total	% Complete
1	Change Order 1 - Relocate Addt. Valves	3.000	EA	\$ 6,500.0	\$	19,500.00	3.000	\$	19,500.00		\$		3.000	\$	19,500.00	100%
2	Change Order 2 - Adjust & Relocate Addt ARV	1.000	EA	\$ 5,750.0	s	5,750.00		5		1.000	\$	5,750.00	1.000	\$	5,750.00	100%
				10.0	s	-		\$	~		\$			\$	20	
		1		1	5	-		\$	-		\$			\$		
		CHAI	NGE OF	RDER TOTALS	\$ 2	5,250.00		\$	19,500.00		\$	5,750.00		\$	25,250.00	
								M T F	Materials Store Fotal Complete Retainage To B Less Previous P	d & Stored	12	10%	-	\$	25,250.00 - 1,383,625.35 134,939.92 1,171,901.75	
								L						-		
Alicia Rochn	SUBCONTRACTOR SIGNITURE		4/25/1	6 DATE	4			×	Payment Amou	int Due This App	licati	ion		\$	76,783.68	



PROJECT: US 27 Utility Relocation Phase 3 LUSI

JOB NO .:

5

5.30.16

2015UI2D5

Company: TRAVERSE GROUP, INC Address: PO BOX 121754

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City: CLERMONT

Phone: 352.409.6630

State: FL Fax: 877.532.8247

Zip:

34712

PERIOD ENDING:

APPLICATION FOR PAYMENT NO.

SUBCONTRACTORS INVOICE #:

	Contract	Pay Items				Previous	Payments	Work Perform	med this Period	Total to	o Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	LS	\$ 195,000.0	\$ 195,000.00	1.000	\$ 195,000.00		s .	1.000	\$ 195,000.00	100%
2	Preconstruction Video	1.000	LS	\$ 10,000.0	\$ 10,000.00	1.000	\$ 10,000.00		s .	1.000	\$ 10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.0	\$ 158,950.00	1,000	\$ 158,950.00		s .	1.000	\$ 158,950.00	100%
4	Utility Maintenance of Traffic	- 1.000	LS	\$ 35,000.0	\$ 35,000.00	0.950	\$ 33,250.00		5 -	0.950	\$ 33,250.00	95%
WM					s -		s -				s -	
1	R&R 8" WM	142,000	LF	\$ 75.0	\$ 10,650.00	0	s -		5		s -	
2	R&R 16" WM	2,750.000	LF	\$ 142.6	\$ 392,232.50	2,750.000	\$ 392,232.50		s -	2,750.000	\$ 392,232.50	100%
3	Lower 15" WM	1,500.000	LF	\$ 105.0	\$ 157,500.00	1,725.349	\$ 181,161.65		s .	1,725.349	\$ 181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.0	\$ 19,600.00	28.000	\$ 19,600.00		s -	28.000	\$ 19,600.00	100%
5	F&18" 45 Bend	11.000	EA	\$ 420.0	\$ 4,620.00	11.000	\$ 4,620.00		\$ -	11.000	\$ 4,620.00	100%
6	F&I 16" 22 Bend	5.000	EA	\$ 650.0	\$ 3,250.00	5.000	\$ 3,250.00		s -	5.000	\$ 3,250.00	100%
7	F&I 16" 45 Bend	24.000	EA	\$ 650.0	\$ 15,600.00	24.000	\$ 15,600.00		\$ -	24.000	\$ 15,600.00	100%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.0	\$ 1,300.00		s -		5		s -	
9	F&I 16" Long Sleeve	1	EA	\$ 650.0	5 -		s -		s -		\$ .	
10	F&18" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00		s -		s -		\$	
11	F&18" Line Stop	1,000	EA	\$ 12,500.00	\$ 12,500.00	100 - 10 - 10 - 10 - 10 - 10 - 10 - 10	s -	1 - 1	\$ -		\$ -	
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00		s -		s .		s	
13	F&I 16x8 Tee	1.000	EA	\$ 750.0	\$ 750.00		s -		5 -		s -	
14	Directional Bore 16" WM	900.000	UF	\$ 165.00	\$ 148,500.00	900,000	5 148,500.00		5 -	900.000	\$ 148,500.00	100%
FM		1			s -	1	s .	100 million (1	s .		\$ -	
1	F&16" FM	5.000	LF	\$ 150.00	\$ 750.00		s .	Second.	5 -		\$	
2	R&R 12" FM	and a summer	UF	\$ 146.2	s -	2004 1 200	5 -	Stores at 1 1	\$ .		\$ .	
3	Lower 12" FM	1,050.000	UF	\$ 145.2	\$ 153,604.50	280.000	5 40,961.20	PAR A	\$ .	280.000	\$ 40,961.20	27%
4	12" Joint Restraints	10.000	EA	\$ 550.00	\$ 5,500.00	10.000	\$ 5,500.00	1 Contra	5 -	10.000	\$ 5,500.00	100%
5	F&16" 45 Bend		EA	\$ 400.00	s .	4-1	5 -	E letter	s -		s .	
6	F&I 12" Long Sleeve	1415 778-23	EA	\$ 700.0	s .	0.000	s -		s -		s .	
7	F&I 12" 45 Bend	all all a series	EA	\$ 700.00	s .	unger a	s -	Sec. 1	\$ .		\$ -	
8	F&I 6" Plug Valve		EA	\$ 2,000.00	5 .		s -		s .		s -	
9	F&I 12" Dual Line Stop Bypass		LF	\$ 75.00	s .	Con Linda	5 -	1-3-by la	s .		\$	1
RWM		CONTRACTOR	Se P	Property and	s .	a satisfies of	s -	TO POT SHOW	s .		s -	
1	F&I 8" RWM	40.000	LF	\$ 110.00	\$ 4,400.00	10 2 Ser 52	s -	1000 2000	s -		s -	
2	R&R 12" RWM	602.000	LF	\$ 125.7		No.	s .	500.000	\$ 62,875.00	500.000	\$ 62,875.00	83%
- 3 -	12" Joint Restraints	112 12	EA	\$ 550.00	s -	1. 1. 1.	s -	Construction of	s .		s .	
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00		1	s -		\$ .		s -	
5	F&I 12" 45 Bend	20,000	EA	\$ 400.00	110	-	s -	10.000	\$ 4,000.00	10.000	\$ 4,000.00	50%
6	F&I 12" Long Sleeve		EA	\$ 400.00		2.5.5.5	5 -		s -		5 -	
7	F&I 12" 90 Bend	1.000	EA	\$ 400.00			s -	1.000	\$ -		5	
8	F&I 12x8 Tee	1.000	EA	\$ 500.00	Contraction of the second second		\$ .		\$ +		s .	
9	F&I 12x12 Tee	2.000	EA	\$ 600.00			s		s .		\$	
10	F&18" GV	1.000	EA	\$ 2,150.00			s -		s .		s .	
11	F&I 12" GV	1.000	EA	\$ 3,500.00			\$ .		e		¢	

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Company:	TRAVERSE GROUP, INC					PROJECT:	US 27 Utility R	elocation Phas	e 3 1	LUSI		JOB NO.:	
Address:	PO BOX 121754									A	PPLICATION FOR	PAYMENT NO.	5
City:	CLERMONT	State:	FL	Zip:	34712						P	ERIOD ENDING:	5.30.16
Phone:	352.409.6630	Fax:	877.5	32.8247							SUBCONTRACT	ORS INVOICE #:	2015UI2D5
12	F&i 12" Cap	1.000	EA	\$ 250.00	\$ 250.00		s .		s	•		s .	
13	Directional Bore 12" RWM	900.000	J.	\$ 140.00	\$ 126,000.00	900.000	\$ 126,000.00		s	•	900.000	\$ 126,000.00	100%
DEMO			L		<u>s</u>		s .		s			s .	
1	Adjust and Relocate ARV	9.000	EA	\$ 5,750.00	\$ \$1,750.00	3.000	\$ 17,250.00		\$		3.000	\$ 17,250.00	33%
2	Adjust Valve Collar	34.000	EA	\$ 350.00	\$ 11,900.00		<u>s</u> .		5			s .	
3	Relocate Valve	1.000	EA	\$ 6,500.00	\$ 6,500.00	1.000	\$ 6,500.00		\$		1.000	\$ 6,500,00	100%
4	Remove 30" Steel Casing		ម	\$ 350.00	s .		s .		5			s .	
5	Concrete Cap	20.000	ur	\$ 225.00	\$ 4,500.00		<u>s</u> .		\$			s -	
6	Open Cut and Restore Roadway	924.000	SY	\$ 40.00	\$ 36,960.00		<u>s</u> .		5	-		s -	
					s .		s .		s			s -	
					s -		s.		5			s -	
					s .		\$ .		5	-		\$ -	
		ORIGINAL	CONTR	ACT TOTALS	\$ 1,706,668.50		\$ 1,358,375.35		\$	66,875.00		\$ 1,425,250.35	
													1
	Authorized Chang	e Orders				Previous	Payments	Pay Reque	est t	his Period	Total	to Date	
item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity		Total	Quantity	Total	% Complete
1	Change Order 1 - Relocate Addt. Valves	3.000	EA	\$ 6,500.00	\$ 19,500.00	3.000	\$ 19,500.00		\$		3.000	\$ 19,500.00	100%
							i		1				I

item Number	Description	Quantity	U/M	Unit Price	Tota	al	Quantity		Total	Quantity		Total	Quantity		Total	% Complete
1	Change Order 1 - Relocate Addt. Valves	3.000	EA	\$ 6,500.00	\$ 1	19,500.00	3.000	\$	19,500.00		\$	-	3.000	\$	19,500.00	100%
2	Change Order 2 - Adjust & Relocate Addt ARV	1.000	EA	\$ 5,750.00	\$	5,750.00	1.000	\$	5,750.00		\$	-	1.000	5	5,750.00	100%
3	Change Order 3 - 12RWM Relocate, 12 GV R&R, ARV Install	1.000	LS .	\$ 34,000.00	\$ 3	34,000.00		s		0.400	\$	13,600.00	0.400	5	13,600.00	40%
					\$			5	•		\$	•		\$		
		CHAI	NGE OF	DER TOTALS	\$ 59,	,250.00		\$	25,250.00		\$	13,600.00		\$	38,850.00	
supplied fully con	SUBCONTRACTOR certifies that: (1) all items and amounts shown above a nply with the terms and conditions of the Subcontract Documents.	re correct: (2) all Wo	xk perfo	med and materials					Work Perform Materials Store Total Complete Retainage To B Less Previous F	ed & Stored	ders	10%	unt 	\$ \$ \$	1,425,250.35 38,850.00 - 1,464,100.35 142,987.42 1,248,685.43	
Alicis Rochn			5/30/16						Payment Amou	unt Due This App	licat	lion		\$	72,427.50	
	SUBCONTRACTOR SIGNITURE	•		DATE				1								

# 3043813 PD 205835 Regt. 233072

## SUBCONTRACTOR APPLICATION FOR PAYMENT

1.000

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1,200.00

2,150.00

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PROJECT: US 27 Utility Relocation Phase 3 LUSI

JOB NO .:

Address: PO BOX 121754

Company: TRAVERSE GROUP, INC

F&I 12" Long Sleeve

F&I 12" 90 Bend

F&I 12x8 Tee

F&I 12x12 Tee

F&18" GV

F&1 12" GV

6

7

8

9

10

11

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APPLICATION FOR PAYMENT NO. 6 PERIOD ENDING:

PERIOD ENDING.	
CONTRACTORS INVOICE #:	20

	CLERMONT 352.409.6630	State: Fax:		Zip: 32.8247	34712					SUBCONTRACTO	RIOD ENDING: DRS INVOICE #:	8.26.16 2015UID6
	Contract	Pay Items				Previous I	Payments	Work Perform	med this Period	Total t	o Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	15	\$ 195,000.00	\$ 195,000.00	1.000	\$ 195,000.00		s -	1.000	\$ 195,000.00	100%
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00	1.000	\$ 10,000.00		5	1.000	\$ 10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00	1.000	\$ 158,950.00		5 -	1.000	\$ 158,950.00	100%
4	Utility Maintenance of Traffic	1.000	LS	\$ 35,000.00	\$ 35,000.00	0.950	\$ 33,250.00	0.050	\$ 1,750.00	1.000	\$ 35,000.00	100%
WM			-		\$	-	\$				\$ -	
1	R&R S" WM	142.000	LF	\$ 75.00	\$ 10,650.00		s -		s .		5 -	
2	RER 16" WM	2,750.000	LF	\$ 142.63	\$ 392,232.50	2,750.000	\$ 392,232.50		s -	2,750.000	\$ 392,232.50	100%
3	Lower 15" WM	1,500.000	LF	\$ 105.00	\$ 157,500.00	1,725.349	\$ 181,161.65		\$ .	1,725.349	\$ 181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.00	\$ 19,600.00	28.000	\$ 19,600.00		\$ +	28.000	\$ 19,600.00	100%
5	F&I 8" 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00	11.000	\$ 4,620.00		s -	11.000	\$ 4,620.00	100%
6	F&I 16" 22 Bend	5.000	EA	\$ 650.00	\$ 3,250.00	5.000	\$ 3,250.00		\$ -	5.000	\$ 3,250.00	100%
7	F&I 16" 45 Bend	24,000	EA	\$ 650.00	\$ 15,600.00	24.000	\$ 15,600.00	(contraction)	\$	24.000	\$ 15,600.00	100%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.00	5 1,300.00		\$		\$ -		\$ -	
9	F&i 16" Long Sleeve	1 1 1 1 1 1 1 1 1 1 1 1	EA	\$ 650.00	s -	1 1 1 A	\$	1-10-11-0	\$ -		\$ -	
10	F&I 8" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00	12012/19	\$	and the second	s .		s -	
11	F&I 8" Line Stop	1.000	EA	\$ 12,500.00	\$ 12,500.00	200 C - 195	\$ -	March 20	s -		\$ -	
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00		\$ -	The state of the	\$ -		\$ -	
13	F&I 16x8 Tee	1.000	EA	\$ 750.00	\$ 750.00	200 C	s -	The states	\$ -		\$ -	
14	Directional Bore 16" WM	900.000	LF	\$ 165.00	\$ 148,500.00	900.000	\$ 148,500.00	1	\$ -	900.000	\$ 148,500.00	100%
FM		a state of the state of the state	1	1	\$	Carrier All	\$	Bar Star	s .		\$ -	
1	F&I 6" FM	5.000	UF	\$ 150.00	\$ 750.00	Constant of the	5 -	5.000	\$ 750.00	5.000	\$ 750.00	100%
2	R&R 12" FM		LF	\$ 145.29	s	a (1) (2).	\$ -		s -		5 -	
3	Lower 12" FM	1,050.000	LF	\$ 146.29	\$ 153,604.50	280.000	\$ 40,961.20	770,000	\$ 112,643.30	1,050.000	\$ 153,604.50	100%
4	12" Joint Restraints	10.000	EA	\$ 550.00	\$ 5,500.00	10.000	\$ 5,500.00		s -	10.000	\$ 5,500.00	100%
5	F&I 6" 45 Bend	IN A CALLER	EA	\$ 400.00	s -	and the set	s -	a the Second	\$ -		5 -	
6	F&I 12" Long Sleeve		EA	\$ 700.00	s	The Party of	\$ -	H MARKES	\$ -		s -	
7	F&I 12" 45 Bend	No-Alexand	EA	\$ 700.00	\$ .	STR INST	\$ -		s -		\$ -	
8	F&I 6" Plug Valve	and the second	EA	\$ 2,000.00	\$ .		\$ -	the set	\$		s -	
9	F&I 12" Dual Line Stop Bypass	Sel Sel Con	UF	\$ 75.00	s -	140-21	\$ -	The said states	s -		5 -	_
RWM	The state of the s	a	AF61	Parties	\$	Action of	s .	1. Care and	s -		\$ -	
1	F&I 8" RWM	40.000	LF	\$ 110.00	\$ 4,400.00	a new lite	s -	40.000	\$ 4,400.00	40.000	\$ 4,400.00	100%
2	R&R 12" RWM	602.000	LF	\$ 125.75	\$ 75,701.50	500.000	\$ 62,875.00	102.000	\$ 12,826.50	602.000	\$ 75,701.50	100%
3	12" Joint Restraints	Solve Sales all	EA	\$ \$50.00	\$	a service and	\$ .	1000000000	s -		5 -	
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00	\$ 1,000.00	The second second	s -	4.000	\$ 1,000.00	4.000	\$ 1,000.00	100%
5	F&I 12" 45 Bend	20.000	EA	\$ 400.00	\$ 8,000.00	10.000	\$ 4,000.00	10.000	\$ 4,000.00	20.000	\$ 8,000.00	100%

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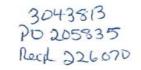
2,150.00

3,500.00

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Company: TRAVERSE GROUP, INC PROJECT: US 27 Utility Relocation Phase 3 LUSI JOB NO .: Address: PO BOX 121754 APPLICATION FOR PAYMENT NO. 6 City: CLERMONT State: FL Zip: 34712 PERIOD ENDING: 8.26.16 Phone: 352.409.6630 Fax: 877.532.8247 SUBCONTRACTORS INVOICE #: 2015UID6 12 F&I 12" Cap 1.000 EA 250.00 250.00 1.000 250.00 1.000 5 250.00 100% 13 Directional Bore 12" RWM 900.000 LF 140.00 125,000.00 900.000 126,000.00 900.000 \$ 126,000.00 100% 5 DEMO 17,250.00 17,250.00 1 Adjust and Relocate ARV 9.000 EA 5,750.00 51,750.00 3.000 3.000 \$ 33% Adjust Valve Collar 34,000 EA 350.00 11,900.00 2 Relocate Valve EA 6,500.00 6,500.00 1.000 6,500.00 1.000 \$ 6,500.00 100% 3 1.000 4 Remove 30" Steel Casing LF 350,00 \$ 5 LF 225,00 4,500.00 20.000 4,500.00 20.000 \$ 4,500.00 5 Concrete Cap 20.000 5 36,960.00 6 Open Cut and Restore Roadway 924.000 SY 40.00 36,960.00 924.000 924.000 \$ 36,960.00 100% ۰. 14 5 0 ORIGINAL CONTRACT TOTALS \$ 1,706,668.50 \$ 1,425,250.35 \$ 1,612,080.15 \$ 186,829.80 Authorized Ch Orde Total to Date т

	Authorized Chan	ge Orders					Previous	Payments	Pay Reque	st this Period	Total	to Date	
Item Number	Description	Quantity	U/M	Unit Price		Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	Change Order 1 - Relocate Addt. Valves	3.000	EA	\$ 6,500.	00 5	19,500.00	3.000	\$ 19,500.0		\$ .	3.000	\$ 19,500.00	100%
2	Change Order 2 - Adjust & Relocate Addt ARV	1.000	EA	\$ 5,750.	00 5	5,750.00	1.000	\$ \$,750.0		5 -	1.000	\$ 5,750.00	100%
3	Change Order 3 - 12RWM Relocate, 12 GV R&R, ARV Install	1.000	LS	\$ 34,000.	00 5	34,000.00	0,400	\$ 13,600.0	0.600	\$ 20,400.00	1.000	\$ 34,000.00	100%
1000			10-1		5		V.C. 00%	s .	1.	s .		\$ -	
		CHAI	NGE OF	DER TOTALS	S	59,250.00		\$ 38,850.00		\$ 20,400.00		\$ 59,250.00	
							_	Materials Sto Total Comple Retainage To reduced to Si	ted & Stored Be Withheld is	\$ 20,000.00	-	\$ 59,250.00 \$ - \$ 1,671,330.15 \$ 20,000.00	
							- 1	Retainage for	previous draws)			\$ 1,444,100.35	
licia Rochn	SUBCONTRACTOR SIGNITURE	-	8.26.16		_			Payment Am	ount Due This App	lication		\$ 207,229.80	
	20 BOOM AND TOR DIGHT UPIL			DATE									



PROJECT: US 27 Utility Relocation Phase 3 LUSI

JOB NO .:

Partial Retainage

5.30.16

Company: TRAVERSE GROUP, INC

Address: PO BOX 121754

City: CLERMONT Phone: 352.409.6630

PERIOD ENDING:

APPLICATION FOR PAYMENT NO.

Fax: 877.532.8247

State: FL

Zip:

34712

SUBCONTRACTORS INVOICE #: 2015UI2PRET

	Contrac	t Pay Items				Previous	Payments	Work Perfor	med this Period	Total to	Date	
Item Number	Description	Quantity	U/M	Unit Price	Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	General Conditions	1.000	LS	\$ 195,000.00	\$ 195,000.00	1.000	\$ 195,000.00		s .	1.000 \$	195,000.00	100%
2	Preconstruction Video	1.000	LS	\$ 10,000.00	\$ 10,000.00	1.000	\$ 10,000.00		s -	1.000 \$	10,000.00	100%
3	Project Layout and Utility Locates	1.000	LS	\$ 158,950.00	\$ 158,950.00	1.000	\$ 158,950.00		s .	1.000 \$	158,950.00	100%
4	Utility Maintenance of Traffic	1.000	LS	\$ 35,000.00		0.950	\$ 33,250.00		5 -	0.950 \$	33,250.00	95%
WM					5 -		5 -			s	-	
1	R&R.S" WM	142.000	LF	\$ 75.00	\$ 10,650.00		s .		5 -	s	-	
2	R&R 16" WM	2,750.000	LF	\$ 142.63	\$ 392,232.50	2,750.000	\$ 392,232.50		s .	2,750.000 \$	392,232.50	100%
3	Lower 16" WM	1,500.000	LF	\$ 105.00	\$ 157,500.00	1,725.349	\$ 181,161.65		\$ -	1,725.349 \$	181,161.65	115%
4	16" Joint Restraints	28.000	EA	\$ 700.00	\$ 19,600.00	28.000	\$ 19,600.00		\$ -	28.000 \$	19,600.00	100%
5	F&I 8* 45 Bend	11.000	EA	\$ 420.00	\$ 4,620.00	11.000	\$ 4,620.00		5 -	11.000 \$	4,620.00	100%
6	F&I 16* 22 Bend	5.000	EA	\$ 650.00	\$ 3,250.00	5.000	\$ 3,250.00	A 14 14	s -	5.000 \$	3,250.00	100%
7	F&I 16" 45 Bend	24.000	EA	\$ 650.00	\$ 15,600.00	24.000	\$ 15,600.00		s	24.000 \$	15,600.00	100%
8	F&I 16" 90 Bend	2.000	EA	\$ 650.00	5 1,300.00		5 -		\$ -	5	4	
9	F&I 16* Long Sleeve		EA	\$ 650.00	s -		5 .		5 -	s		
10	F&1 8" GV	1.000	EA	\$ 1,500.00	\$ 1,500.00	12.2	s -	1	s -	s	*	
11	F&I 8" Line Stop	1.000	EA	\$ 12,500.00	\$ 12,500.00	a the second	s -		\$	s	6	
12	F&I 16" Line Stop	2.000	EA	\$ 22,575.00	\$ 45,150.00		s -		s .	5	( <del>-</del>	
13	F&I 16x8 Tee	1.000	EA	\$ 750.00	\$ 750.00	140 - 27 - 24	\$ .	1	s -	s		
14	Directional Bore 16" WM	900.000	LF	\$ 165.00	\$ 148,500.00	900.000	\$ 148,500.00	a Based and	5 -	900.000 \$	148,500.00	100%
FM	With the second second second		15 1	15-1-25	s .	1	s -	and and the	s -	\$	8	
1	F&I 6" FM	5.000	LF	\$ 150.00	\$ 750,00	1000000000	s -	A STATE OF THE STA	5 -	s		
2	R&R 12" FM	and the second	UF	\$ 146.25	5 -	1200 233	s -	in the second second	5 -	5	6	
3	Lower 12" FM	1,050.000	UF	\$ 146.25	\$ 153,604.50	280.000	\$ 40,961.20	Bar Carles	5 -	280.000 \$	40,961.20	27%
4	12" Joint Restraints	10.000	EA	\$ 550.00		10.000	\$ 5,500.00	112223	\$ -	10.000 \$	5,500.00	100%
5	F&I 6" 45 Bend	ALC: NUMBER OF	EA	\$ 400.00	s -		\$ -	C SARA	s .	\$		
6	F&I 12" Long Sleeve	25 57	EA	\$ 700.00	s -		\$ -	12550,05	s -	\$	8 - J	
7	F&I 12" 45 Bend		EA	\$ 700.00	5 -	tab Inter	s -	in the second	s	\$		
8	F&I 6" Plug Valve	1 × 15 × 1	EA	\$ 2,000.00	5 -	15410	s .	and the star	s .	s	e e	
9	F&I 12" Dual Line Stop Bypass	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	LF	\$ 75.00	s -	and the second	s -	1.1.1	5 -	5	6	
RWM	A REAL PROPERTY AND A REAL PROPERTY AND	and Franker	14	A 114 2.210	s .	2 - C-071	s .	and the second	s -	5	-	
1	F&I 8" RWM	40.000	LF	\$ 110.00	\$ 4,400.00	1.	s .	or il a cas	5 -	5	2	
2	R&R 12* RWM	602.000	LF	\$ 125.75	\$ 75,701.50	500.000	\$ 62,875.00	13 1 22 M 14	s -	500.000 \$	62,875.00	83%
3	12" Joint Restraints	100 100-040	EA	\$ 550.00	s -		s .	- S - 14.43	\$ -	\$	6 ·	
4	F&I 8" 45 Bend	4.000	EA	\$ 250.00	\$ 1,000.00	A CONTRACTOR	s -	20 248	s -	5	š – ×	
5	F&I 12" 45 Bend	20.000	EA	\$ 400.00	\$ 8,000.00	10.000	\$ 4,000.00	1. 1. 1. 1.	s .	10.000 \$	4,000.00	50%
6	F&I 12" Long Sleeve		EA	\$ 400.00			s -		s -	5		
7	F&I 12" 90 Bend	1.000	EA	\$ 400.00	\$ 400.00		s .		s -	\$	8	
8	F&I 12x8 Tee	1.000	EA	\$ 500.00			5		s .	5		
9	F&I 12x12 Tee	2.000	EA	\$ 600.00			s -		s -	s		
10	F&18" GV	1.000	EA	\$ 2,150.00			s -		5 -	5		
11	F&112" GV	1.000		\$ 3,500.00			c	-				

Company: TRAVERSE GROUP, INC

PROJECT: US 27 Utility Relocation Phase 3 LUSI

JOB NO .:

company.	TRAVENSE GROOF, INC						inoreer.								
Address:	PO BOX 121754										4	APPLICATION FOR	PAYN	IENT NO.	Partial Retain
City:	CLERMONT	State:	FL		Zip:	34712						PI	ERIOD	ENDING:	5.30.16
Phone:	352.409.6630	Fax:	877.5	532.8247								SUBCONTRACT	ORSIN	VOICE #:	2015UI2PR
12	F&I 12" Cap	1,000	EA	\$	250.00	\$ 250.00		5	+	5			s	24	
13	Directional Bore 12" RWM	900.000	UF	5	140.00	\$ 126,000.00	900.000	5	126,000.00	s		900.000	5	126,000.00	100%
DEMO						s -		5		5			5		
1	Adjust and Relocate ARV	9.000	EA	\$ 5,	750.00	\$ 51,750.00	3.000	5	17,250.00	\$	<u>.</u>	3.000	5	17,250.00	33%
2	Adjust Valve Collar	34.000	EA	s	350.00	\$ 11,900.00		5		\$	- G.		5		
3	Relocate Valve	1.000	EA	\$ 6,	500.00	\$ 6,500.00	1.000	\$	6,500.00	\$		1.000	\$	6,500.00	100%
4	Remove 30" Steel Casing		UF.	5	350.00	s -		\$	•	5			5		
5	Concrete Cap	20.000	LF	\$	225.00	\$ 4,500.00		5	-	\$			5	38	
6	Open Cut and Restore Roadway	924.000	SY	5	40.00	\$ 36,960.00	_	5	-	\$	- 14		5		
			-			s -		5		\$	- 2		5	(÷	
				1		s -		\$	×:	\$			5	58	
						s .		5		5			S		
		ORIGINAL	CONTR	RACT TOTA	LS	\$ 1,706,668.50		\$	1,425,250.35	\$	-		\$ 1	425,250.35	

	Authorized Chan	ge Orders					Previous	Payments	Pay Requ	est this Period	Total	to Date	
Item Number	Description	Quantity	U/M	Unit Price		Total	Quantity	Total	Quantity	Total	Quantity	Total	% Complete
1	Change Order 1 - Relocate Addt, Valves	3.000	EA	\$ 6,500.0	s	19,500.00	3.000	\$ 19,500.00		5 -	3.000	\$ 19,500,00	100%
2	Change Order 2 - Adjust & Relocate Addt ARV	1.000	EA	\$ 5,750.0	5	5,750.00	1.000	\$ 5,750.00		s -	1.000	\$ 5,750.00	100%
3	Change Order 3 - 12RWM Relocate, 12 GV R&R, ARV Install	1.000	15	\$ 34,000.0	s	34,000.00	0.400	\$ 13,600.00		\$ .	0.400	\$ 13,600.00	40%
		1			s	~		\$ -		\$ -		\$ -	
		CHAI	NGE OF	RDER TOTALS	\$	59,250.00		\$ 38,850.00		\$ -		\$ 38,850.00	
								Materials Store Total Complete Retainage To Bi reduced to \$20, Less Previous P Retainage for p	d & Stored e Withheld is ,000 per BG ayments / App		-	\$ 1,464,100.35 \$ 20,000.00 \$ 1,321,112.93	
					1			Previous Retaina	ge held Less \$2	20,000		\$ 122,987.42	
Dicis Rochn		_	5/30/1					Payment Amou	nt Due This Ap	plication		\$ 122,987.42	
	SUBCONTRACTOR SIGNITURE			DATE									

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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)

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-11**

### OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida



#### ADD-CHANGE FORM

Requested by:			Assigned Project #		
	Bryan K. Gong Project Manager / A		Date:	8/16/2016	
Project Name:	Church Avenue	e FM Relocations			
Company:	246	Utilities Inc of Longwood			
Business Unit:	246100	Utilities Inc of Longwood	BU Type:	SP	
Project Owner:	Bryan K. Gong	re			5
Project Manager:	Bryan K. Gong	re	Budget Owner / RVP:	John Hoy	
Start Date:	8/29/2016	Q3 2016	Region:	Florida	
Estimated End Date:	9/30/2016	Q3 2016	State:	FL	
Project Type:	EH&S Cor	mpliance			
Will project replace/reti	re any assets:	Yes			
Previously Requested:					
This Request:	\$193,880				
Still to be Requested:					
Total Project Budget:	\$193,880				
scription: move and relocate 1,885 LF igwood's stormwater improv		415 LF of 4" force main on Church A	venue that is in conflict with th	e City of	
move and relocate 1,885 LF		415 LF of 4" force main on Church A	venue that is in conflict with th	e City of	
neline Considerations: r facilities must be relocated	d prior to the City's cor tor soon, perhaps as e	415 LF of 4" force main on Church A 415 LF of 4" force main on Church A and the storm of the storm water imparty as the end of September 2016. T	provements. The project is to	be awarded by	
neline Considerations: r facilities must be relocated City to its selected contract	d prior to the City's cor tor soon, perhaps as e	ntractor performing the stormwater im	provements. The project is to	be awarded by	



## JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

Our existing force main is located within the City of Longwood's right-of-way, and as such, must be relocated under the terms and conditions of the existing right-of-way permit. The existing PVC force main must be removed after the new HDPE force main is placed in service; it cannot be abandoned in place. The existing pipe will be removed by the City's contractor during the City's stormwater improvements project.

#### **Risk Evaluation**

The existing force main is in direct conflict with the city's new stormwater pipe. This project will relocate the force main away from the stormwater excavation so that the FM is not damaged during construction and thus avoid a sanitary sewer spill.

#### Alternatives Considered:

The existing force mains to be removed and replaced as part of this project is located within the city's right-of-way and subject to the conditions of the city's permit conditions. Refusal to relocate and remove the pipe would cause the city to issue a Notice to Vacate the right-of-way. Directional drilling is the most feasible approach to construct this project as the right-of-way is narrow and congested.

## **Technical Review Summary:**

Project was reviewed with CPRT on 8/18/2016. No changes were suggested.



**Financial and Regulatory Implications** 

Project Spend in Current Plan           Variance	93,880	Yr 2	Yr 3	Yr 4	Yr 5	
Variance CIAC Collected	02 000					
CIAC Collected	93,880					
	14					
Net Rate Base 1						(if applicable)
	93,880	193,880	193,880	193,880	193,880	
O&M Cost Impact B/(W)	1	Т				
			10.000	Case I wante	-	
Financial Justification	110					
		-		Rate Payers		
Estimated Revenue Impact per Cus	tomer:		(13.41)	(13.41)		
Number of Customers Impacted:		L	1,726	1,726		
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)	Г	-			-	-
Depreciation Impact on EBIT B/(W)		(4,847)	(9,694)	(9,694)	(9,694)	(9,694)
Under-recovery on capital B/(W)		(3,544)	(13,450)	(12,723)	(11,996)	(11,269)
Net EBIT Impact B/(W)		(8,391)	(23,144)	(22,417)	(21,690)	(20,963)
Timing and Supporting Information	on Pate P	acover.				
Timing and Supporting Information This is a pro forma project identified in			ation filing	THE PARTY		
Regulatory Plan Implications						



Bid	Company			Amount	Selected
1	Trisure Corporation			\$144,770	Yes
2	Traverse Group			\$168,505	No
3	CFT			\$169,450	No
component:		Amount			
/alue Bid Elements ingineering Direct Purchase of Parts / M andscaping / Site Restorati Other Components (specify)	on	144,770.00		ded bid(s) above	
Cap Time					
imley Horn - Design/Permit	ting	24,000.00			
CFE - Pipe Removal		25,110.00			
otal Project Budget Object Account(s) to wi	nich project will be closed:		hould match Tota 1345	Budget on General In Sewer Force M select from dro select from dro select from dro	Main/Srvc Lines opdown list opdown list
				select from dro	
					erence List
General Comments:					
Most of the 4" and all of the 6 Searcy Shores. Therefore, it i the developer of the Sandalw	" FM was installed in 1972 by t s about 44 years old and devel ood subdivision.	loper contributed	Longwood Grov	4" FM was also ins	italled in 1972 by



Approvals

Review Completed by	Nate Carver	Date:	8/19/2016	
	plan and meet technical require	ments? Ye	es 🗹 No 🗌	
Comments				
This project aligns well with the	ne utility's asset management pl	an and meets all	technical requirer	nents.
Delais I Des Design				
Technical Peer Review Review Sponsored by	Datriak Ekma	Date Held	8/18/2016	
De seas de la contra	Patrick Flynn Yes 🗹 No 🗌	Date Held	0/10/2010	
Approval to proceed	received in review incorporated)			
No suggestions were receive				
to suggestions were receive	a. Approve as reviewed.			
FP&A Review				
Review Completed by	John Hoy	Date:	8/23/2016	
	rent Utility Rate and Regulatory		s No	
Comments				
Approvals				Applicable?
Approvals				Applicable?
	Bryan K. Gongre	Date:	8/19/2016	Applicable?
Regional Manager:				
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	8/19/2016 8/24/2016	
Regional Manager: VP Operations:	Patrick C. Flynn	Date:	8/24/2016	
Regional Manager: VP Operations:				
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
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Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	
Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b> o	Patrick C. Flynn John P. Hoy	Date:	8/24/2016	

## Kimley »Horn

April 4, 2016

Bryan Gongre Utilities Inc., of Florida 200 Weathersfield Ave. Altamonte Springs, FL 32714

Re: Church Ave. Utility Relocations Longwood Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the force main relocations necessary along Church Avenue associated with the City of Longwood's proposed street improvements.

## **Project Understanding**

It is our understanding that the design of the roadway and drainage improvements is complete. This completed design with the Utility's field locates will be used as the basis for the design of the proposed force main relocations. The force main is in apparent conflict for approximately 1,600 – 1,800 linear feet of the route. This force main needs to be relocated to allow the continuous operation of the sanitary sewer system and to allow the City's roadway improvement project to be completed.

#### Scope of Services

Kimley-Horn will provide the services specifically set forth below.

#### Task 1 - Force Main Relocation Design.

This task will use the roadway improvement plans as provided by CPWG as the basis for the force main relocations. The CPWG plans already have a survey and the proposed roadway and drainage improvements completed. Six utility adjustment sheets will be prepared to directly coordinate with the prepared sheets which show the conflicts with the proposed drainage improvements. The plans will be prepared in plan and profile. Additional detail sheets will include the Utility's standard construction details and notes.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors including the roadway contractor selected by the City of Longwood for the roadway portion of the project. Bid documents will be electronically distributed to bidders. Any questions during the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and tabulated for consideration.

#### Task 2 - Permitting.

FDEP permitting is not anticipated for this project since the project is a relocation along the same route. However, a permit determination will be submitted to FDEP to confirm. A right of way utilization permit will likely be required by the City. Since this work is associated with a City project we do not anticipate

3660 Maguire Blvd, Suite 200, Orlando, FL 32803

## **Kimley**»Horn

any problems.

Task 3 – Construction Services.

This task will include any shop drawing review, responses to contractor questions, inspection of progress (as requested), review of final testing and clearance, and record drawing preparation.

## Services Not Included

Any other services, including but not limited to the following, are not included in this Agreement:

- Surveying
- Geotechnical
- Lift Station Analysis

### Additional Services

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates.

### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

## Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 3 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1	Force Main Relocation Design		\$19,000
Task 2	Permitting		\$1,500
Task 3	Construction Services		\$3,500
Total Lu	Imp Sum Fee	X	\$24,000

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

#### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

Kimley-Horn, in an effort to expedite invoices and reduce paper waste, submits invoices via email in an Adobe PDF format. We can also provide a paper copy via regular mail if requested. Please include the invoice number and Kimley-Horn project number with all payments.

kimley-horn.com

3660 Maguire Blvd, Suite 200, Orlando, FL 32803

## **Kimley**»Horn

If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy, and return the other to us. We will commence services only after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for ninety (90) days after the date of this letter.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours, KIMLEY-HORN AND ASSOCIATES, INC.

Steve Romano, PE

Sr. Project Manager

Authorized By Title: V.C.

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Bryn X. B

4/11/16 Date

Attachment - Standard Provisions

kimley-horn.com

3660 Maguire Blvd, Suite 200, Orlando, FL 32803

407-898-1511

## KIMLEY-HORN AND ASSOCIATES, INC.

#### STANDARD PROVISIONS

(1) Consultant's Scope of Services and Additional Services. The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform Additional Services, which shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.15 times cost.

(2) Client's Responsibilities. In addition to other responsibilities described herein or imposed by law, the Client shall:
 (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.

(b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.

(c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, upon all of which the Consultant may rely.

(d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.

(e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.

(f) Furnish approvals and permits from governmental authonties having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.

(g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require.

(h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope, timing, or payment of the Consultant's services or any defect or noncompliance in any aspect of the project.
 (i) Bear all costs incidental to the responsibilities of the Client.

(3) Period of Services. Unless otherwise stated herein, the Consultant will begin work timely after receipt of a properly executed copy of this Agreement and any required retainer amount. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

(4) Method of Payment. Compensation shall be paid to the Consultant in accordance with the following provisions: (a) Invoices will be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due to the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services and withhold deliverables until all amounts due are paid in full and may commence proceedings, including filing liens, to secure its right to payment under this Agreement.

(b) If the Client relies on payment or proceeds from a third party to pay Consultant and Client does not pay Consultant's invoice within 60 days of receipt, Consultant may communicate directly with such third party to secure payment.

(c) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing. If the Client objects to only a portion of the invoice, payment for all other portions remains due within 25 days of receipt.
(d) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) Use of Documents. All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from

all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall gover. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) Opinions of Cost. Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, blds or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) Termination. The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) Insurance. The Consultant carries Workers' Compensation insurance, professional liability insurance in the amount of \$2,000,000 per claim, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) Standard of Care. The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by consultants performing the same or similar services in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) LIMITATION OF LIABILITY. In recognition of the relative risks and benefits of the Project to the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or \$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) Mutual Waiver of Consequential Damages. In no event shall either party be liable to the other for any consequential, incidental, punitive, or indirect damages including but not limited to loss of income or loss of profits.

(12) Certifications. The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(13) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Procedures of the American Arbitration Association as a condition precedent to litigation.

(14) Hazardous Substances and Conditions. In no event shall Consultant be a custodian, transporter, handler,

arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated.

#### (15) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiarles; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) Confidentiality. The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(18) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision.

## (19) PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

## Kimley »Horn \_\_\_\_

Invoice for Professional Services

3008141 PO# 208249 214483 Rov##224180

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7722053 Invoice Date: Apr 30, 2016 Invoice Amount: \$3,800.00

Project No: 149685005.1 Project Name: CHURCH AVE UTILITY RELOC Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Apr 30, 2016

Federal Tax Id: 56-0885615

## LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	19,000.00	20.00%	3,800.00	0.00	3,800.00
TASK 2 - PERMITTING	1,500.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	3,500.00	0.00%	0.00	0.00	0.00
Subtotal	24,000.00	15.83%	3,800.00	0.00	3,800.00
Total LUMP SUM					3,800.00

DESCRIPTION OF SERVICES PERFORMED: DESIGN OVERVIEW AND LAYOUT

## Total Invoice: \$3,800.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

# Kimley »Horn.

3008141 Pb# 217462 Recept# 227096

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7930108 Invoice Date: May 31, 2016 Invoice Amount: \$11,400.00

Project No: 149685005.1 Project Name: CHURCH AVE UTILITY RELOC Project Manager: ROMANO, STEVE

Client Reference:

For Services Rendered through May 31, 2016

Federal Tax Id: 56-0885615

## LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	19,000.00	80.00%	15,200.00	3,800.00	11,400.00
TASK 2 - PERMITTING	1,500.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	3,500.00	0.00%	0.00	0.00	0.00
Subtotal	24,000.00	63.33%	15,200.00	3,800.00	11,400.00
Total LUMP SUM					11,400.00

DESCRIPTION OF SERVICES PERFORMED: FORCE MAIN DESIGN

Total Invoice: \$11,400.00

Invoice for Professional Services

## Kimley »Horn

Invoice for Professional Services

3008141 PO# 219504 Rept. # 229137

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 8010370 Invoice Date: Jun 30, 2016 Invoice Amount: \$5,650.00

Project No: 149685005.1 Project Name: CHURCH AVE UTILITY RELOC Project Manager: ROMANO, STEVE

Client Reference:

For Services Rendered through Jun 30, 2016

Federal Tax Id: 56-0885615

## LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	19,000.00	100.00%	19,000.00	15,200.00	3,800.00
TASK 2 - PERMITTING	1,500.00	100.00%	1,500.00	0.00	1,500.00
TASK 3 - CONSTRUCTION SERVICES	3,500.00	10.00%	350.00	0.00	350.00
Subtotal	24,000.00	86.88%	20,850.00	15,200.00	5,650.00
Total LUMP SUM					5,650.00

Total Invoice: \$5,650.00

# CHURCH AVENUE FORCEMAIN RELOCATION - BASE BID SCHEDULE OF VALUES

		FOR	CEMAIN	URCH AVENUE RELOCATION - DULE OF VALU	BASE BID				
				Tri-S	ure	Tra	iverse	Central Flor	ida Tapping
ITEM	DESCRIPTION	QUAN	TITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	1	LS	25,000.00	25,000.00	5,500.00	5,500.00	7,500.00	7,500.00
2	Preconstruction Video	1	LS	2,000.00	2,000.00	1,900.00	1,900.00	750.00	750.00
3	4" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	415	LF	26.00	10,790.00	45.00	18,675.00	55.00	22,825.00
4	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	1,885	LF	48.00	90,480.00	68.00	128,180.00	65.00	122,525.00
5	4"x4" Tapping Sleeve and Valve	3	EA	4,000.00	12,000.00	2,750.00	8,250.00	3,200.00	9,600.00
6	Testing, Disinfection, and Startup	1	LS	1,500.00	1,500.00	2,500.00	2,500.00	2,500.00	2,500.00
7	Project Closeout/Record Drawings	1	LS	3,000.00	3,000.00	3,500.00	3,500.00	3,750.00	3,750.00
		TOT	AL LUMF	SUM BASE BID	144,770.00		168,505.00		169, <u>450.00</u>



PO Box 121754 Clermont, FL 34712 O: (352) 409.6630 F: (877) 532.8247

	CHURCH AVENUE FORCEMAIN RELOCATION - BASE BID SCHEDULE OF VALUES									
ITEM	DESCRIPTION	QUAN	ТІТҮ	UNITPRICE	AMOUNT					
1	Mobilization/General Conditions	1	LS	5,500.00	5,500.00					
2	Preconstruction Video	1	LS	1,900.00	1,900.00					
3	4" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	415	LF	45.00	18,675.00					
4	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	1,885	LF	68.00	128,180.00					
5	4"x4" Tapping Sleeve and Valve	3	EA	2,750.00	8,250.00					
6	Testing, Disinfection, and Startup	1	LS	2,500.00	2,500.00					
7	Project Closeout/Record Drawings	1	LS	3,500.00	3,500.00					
		TC	DTAL LUI	MP SUM BASE BID	\$ 168,505					



P.O. Box 521279 Longwood, FL 32752-1279 Phone: 407-834-8271 Fax: 407-834-3859

CU C055705 CB C045652 CONT. V 13942900011997

June 30, 2016

Nicole Quinby, P.E. Kimley-Horn 3660 Maguire Blvd., Suite 200 Orlando, Fl. 32803

## **Re: Church Ave. Force Main Relocation**

Dear Ms. Quinby,

We propose the following,

Item No.	Description	Quantity	Unit	U	nit Price	Total
1	Mob./General Conditions	1	LS	\$	7,500.00	\$ 7,500.00
2	Preconstruction Video	1	LS	\$	750.00	\$ 750.00
3	4" DR-11 Directional Drill	415	LF	\$	55.00	\$ 22,825.00
4	6" DR-11 Directional Drill	1885	LF	\$	65.00	\$ 122,525.00
5	4"X4" Tapping Sleeve & Valve	3	EA	\$	3,200.00	\$ 9,600.00
6	Testing	1	LS	\$	2,500.00	\$ 2,500.00
7	Close out/Record Dwgs.	1	LS	\$	3,750.00	\$ 3,750.00
	Total					\$ 169,450.00

If you have any questions please call.

Sincerely,

**Rick Bullington** 

		TO:	Bryan Gong	re, Regiona	l Manager				revised	8/16/201
			Utilities Ind	. of Florida	3					
			200 Weath	ersfield Av	enue		prepered by Da	ivid Stalowy,	CFE Corp.	
		-	Altamonte	Springs, Flo	orida 32714			stalzz@ac	ol.com	
	CFE							407 947 5	712 cell	
		RE:	CHURC	H AVEN	UE PIPE F	REMOVA	AL			
<b>۰ 4</b> ۳	force main is confilciting with i	installatio	on of future s	torm drainag	ge on Church	Ave. in Longv	vood.			
SCOP	E: The plan is for Utiltiies Inc.								!	
	removed by CFE, Corp. The								ed off site	
	during installation of future	storm dra	ainage.	FM remova	al i/a/w Plans	by Kimley &	Horn dated May 2	2016		
							70/ 1			
Pay					Adjusted	Unit	7% tax		<b>T</b> N - 1	
tem		Unit	Quantity	Unit Price	Unit Price	Price			Total	
*1	Excavation & pipe removal	LF	2140	\$7.48		\$7.48			\$16,007.20	
^2	Haul off	EA	6.12	\$400.00		\$400.00 \$4.50	\$0.32		\$2,448.00 \$530.98	
#3	Dump Fee	CY	110.16	\$4.50		\$4.50	•		-	
			0.70	<i>to 00</i>	<u> </u>	ća 00	SUB TOTAL	50/	\$18,986.18 \$949.31	
4	CFE General Conditions	ED	9.73	\$0.00	\$0.00	\$0.00		5%	\$949.31	
5	Mobilization	LS	1	\$0.00	\$0.00	\$0.00		5%	\$949.31	
6	MOT	LS	1	\$0.00	\$0.00	\$0.00		5%		
							SUB TOTAL		\$21,834.11	
							15% OH/P		\$3,275.12	
							TOTAL		\$25,109.22	
					CENTRAL FLOP	RIDA ENVIRON	WILIWIAL, CORF.			
						lle Avenue Sui				
					910 Be		ite 1040			

	CHURCH FORCEMAIN RELO SCHEDULE		SE BID		
ITEM	DESCRIPTION	QUAN	тіту	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	1	LS	25,000.00	25,000.00
2	Preconstruction Video	1	LS	2,000.00	2,000.00
3	4" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	415	LF	26.00	10,790.00
4	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	1,885	LF	48.00	90,480.00
5	4"x4" Tapping Sleeve and Valve	3	EA	4,000.00	12,000.00
6	Testing, Disinfection, and Startup	1	LS	1,500.00	1,500.00
7	Project Closeout/Record Drawings	1	LS	3,000.00	3,000.00
		TO	TAL LUN	1P SUM BASE BID	144,770.00

\*\*Price does not include Boring in any rock or rock-like material

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## EXHIBIT PCF-14

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida



## ADD-CHANGE FORM

	Change?	New Project	Assigned Project #	2016085
Requested by:	Michael Wilson Project Manager / Are	ea Manager	Date:	8/15/2016
Project Name:	Mid-Co Electrica	al Improvements		
Company:	lities Inc. of Flori	Mid-County Services Inc		
Business Unit:	250100	Mid-County Services Inc		
Project Owner:	Patrick Flynn		BU Type:	SP
Project Manager:	Michael Wilson		Budget Owner / RVP:	John Hoy
Start Date:	2/1/2016	Q1 2016	Region:	Florida
Estimated End Date:	6/30/2017	Q2 2017	State:	FL
Project Type:	EH&S Com	pliance		
Will project replace/ret	ire any assets:	Yes		
Previously Requested:				
This Request:	\$140,000			
Still to be Requested:	\$140,000			
t the Mid-County WWTP:				
Description: at the Mid-County WWTP: scope of first phase of proje provide for electrical engineeri scope of second phase of pl	ing design, permitting, a <b>roject:</b>	and construction inspection services.		1.
escription: t the Mid-County WWTP: cope of first phase of proje rovide for electrical engineeri cope of second phase of pi Remove and replace main e Install 480V pad-mounted tr Convert all 230V 3-phase lo Replace and upgrade on-sit Remove and replace the exi puble-walled fuel tank with ini Remove (3) auto transfer sv	ing design, permitting, a roject: electrical feed from Duk, ansformer; remove exis bads to 480V throughout te power distribution pan isting 500Kw emergenc; terstitial monitoring. witches; install a single A	e Energy Florida. sting overhead pole-mounted 230V tr t the plant site. hels and conduits. y generator and separate fuel tank w ATS sized for all of the plant load.	ansformers.	
escription: t the Mid-County WWTP: cope of first phase of proje rovide for electrical engineeri cope of second phase of pi Remove and replace main e Install 480V pad-mounted tr Convert all 230V 3-phase lo Replace and upgrade on-sit Remove and replace the exi ouble-walled fuel tank with int	ing design, permitting, a roject: electrical feed from Duke ansformer; remove exis ads to 480V throughout te power distribution par isting 500Kw emergency terstitial monitoring. witches; install a single A wer cables throughout th	e Energy Florida. sting overhead pole-mounted 230V tr the plant site. nels and conduits. y generator and separate fuel tank w ATS sized for all of the plant load. ne plant site.	ansformers.	
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## JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

Mid County WWTP is a 0.900 mgd treatment facility built in the early 1970's (North Plant) and expanded thereafter by the addition of the South Plant. The facility discharges to Curlew Creek after nutrient removal, disinfection, and dechlorination. The facility is required to have standby generator power to meet permit limits during power outages. The existing 1978 generator and primary transfer switch were bought used and installed in January 1993. This equipment is frequently under repair, parts are difficult to obtain on short notice, and it has reached the end of its service life. A new generator must meet Class 4 emissions limits in order to comply with Clean Air Act requirements so as to continue qualifying for Duke Energy's interruptible power tariff.

The design engineer determined that the existing electrical distribution equipment fails to meet current electrical code. In order to obtain a Pinellas Co. electrical permit, all of the deficient components of the electrical system must be replaced and upgraded with new transfer switches, motor controls, distribution panels, conduits, cables, and ancilary equipment.

The project includes a change from 230V service to 480V service in order to provide cleaner incoming power with fewer outages and negative impacts to motors and pumps caused by the current service.

The initial project budget encompasses the cost of electrical engineering services including an evaluation of current conditions, design of the necessary improvements, permitting, bidding, and construction inspection services. Once DEP issues a construction permit, the project will be bid out. The project bids will then be technically reviewed by the review team before proceeding with the construction phase.

#### **Risk Evaluation**

In 2015 the facility experienced a power failure that required the generator to run over a 48 hour period. During this period the generator experienced an overheating issue which resulted in a shutdown of the unit. We were very fortunate to get the unit back on line. After approximately 12 hours we experienced another shut down. The power company then returned normal power to the facility. The current unit's performance history indicates that it could fail at any time, which would result in the cost of renting a 500Kw unit on short notice with very high daily/weekly rental charges. This would put the facility at risk of not meeting effluent water guality limits, which could lead to FDEP enforcement action.

The Mid-County Plant is located adjacent to Curlew Creek, which historically has flooded parts of the plant site during and after heavy rains. The project will mitigate against power failure duration and frequency caused by flooding conditions.

#### Alternatives Considered:

- 1. Renting and connecting a large generator on a temporary basis if the existing unit fails.
- 2. Delay the project until the generator fails utterly, then incur heavy costs to reestablish power during emergency conditions.

#### **Technical Review Summary:**

We have enlisted the services of APG Engineering to define the current condition of the facility and the improvements required to bring the facility into compliance with current NEC requirements.



**Financial and Regulatory Implications** 

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5		
Proposed Project Spend	140,000						
Project Spend in Current Plan	900,000 760,000	-	-				
Variance CIAC Collected	760,000	-		-	-	(if one	olicable)
Net Rate Base	140,000	140,000	140,000	140,000	140,000	(ii ap)	incapie)
					,		
O&M Cost Impact B/(W)							
Financial Justification							
The preliminary engineering estir	mate to constru	uct the describ	ed facilities is	approximately	\$760,000.		200
,							
	1. 19 State		The Rent Marine		18 - 3 -	1.40 (A. 1.40)	(C) 200
				Rate Payers			
Estimated Revenue Impact per	r Customer:		(7.60)				
Number of Customers Impact		E-21-1	2,200	2,200			
runnor or ousioners impact			-,200				
Utility Financial Impact		Yr1	Yr 2	Yr 3	Yr 4	Yr 5	
O&M Impact on EBITDA B/(W)	L L	1		- 1	- 1		
Depreciation Impact on EBIT B/(	(W)	(3,500)	(7,000)	(7,000)	(7,000)	(7,000)	
Under-recovery on capital B/(W)		(2,559)	(9,713)	(9,188)	(8,663)	(8,138)	
Net EBIT Impact B/(W)		(6,059)	(16,713)	(16,188)	(15,663)	(15,138)	
		1.1.1					
	ation on Rate	Recovery					
Timing and Supporting Inform			a project It -	auet be compl	eted no later t	nan 12/31/17 to bo	included
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Bid	Company			Amount	Selected
1	TBD				
2	TBD				
3	TBD				
Component:		Amount			
/alue Bid Elements Engineering Direct Purchase of Parts / Ma andscaping / Site Restoratio Dther Components (specify):	on	28,100.00			
Cap Time					
Project Management		98,400.00			
Site Survey (Kimley Horn)		13,500.00			
Elect. Upgrades and Genset	AIS	TBD			
Fotal Project Budget		140,000.00	nould match Tob		
Object Account(s) to wh	ich project will be	closed:	1095	Power General select from dru select from dru select from dru select from dru	opdown list opdown list opdown list
					erence List
General Comments: This project includes the dem	o of existing substans	lard electrical transforme	re overhead a	ower poles, undergr	und nower cables
conduits and structures include transformers, underground po existing electric from 230V to	ing the existing 500 K wer cables, conduits a	w genset and 3 transfer s	switches. The i	nstallation of new ele	ectrical
APG was selected to provide construction management & in facilities, the length of the con project to completion.	nspection services over	er the construction period	due to their ex	pertise, their familia	rity with the
At least three bids will be solid	ited from qualified util	ity contractors before the	project moves	to the construction	phase.



Approvals

Review Completed by Does project align with utility pl Comments	Nate Carver an and meet technical requirer	Date: ments? Yo	8/23/2016 es 🗹 No 🗌	
This project aligns with the utili	tiy plan and meets UI technical	requirements.		
Technical Peer Review Review Sponsored by	Patrick C. Flynn	Date Held	8/18/2016	
Approval to proceed Comments (note if feedback re Clarify in the project description	Yes Vo ceived in review incorporated)			vices Once the
project is bid out and bids rece beginning construction.	ived, the revised project budge	t will be present	ed for technical re	eview before
FP&A Review				
Review Completed by Does Project comply with curre Comments	nt Utility Rate and Regulatory	Date: Plan? Ye	es 🗌 No 🗌	
Approvals				Applicable?
Regional Manager:	Michael Wilson	Date:	8/18/2016	V
VP Operations:	Patrick C. Flynn	Date:	8/18/2016	7
President:	John P. Hoy	Date:	8/25/2016	
Approval or Re-Direction Cor	nments	ant an		



MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION TELECOMMUNICATIONS

August 23, 2016

Mid-County Services, Inc. 200 Wethersfield Ave. Altamonte Springs, Florida 32714-4027 Attn: Michael Wilson

RE: Mid County Services, Inc. - 480 Volt Service Replacement Dunedin, Florida

Dear Michael,

Regarding your e-mail last week we have provide our fee schedule for specific construction management services to this proposal in connection with the above referenced project.

## Scope of Services for Construction Management Services

APG Engineering will provide the following construction management services based upon a 28 week on-site project for the referenced project:

- 1. Develop and maintain the schedule and phasing for the project.
- 2. Conduct Pre-construction meeting with contractors:
  - a. Provide site requirements and responsibilities.
    - b. Identify and track long lead equipment items.
    - c. Demolition requirements and disposals.
- 3. Conduct weekly construction meetings (28 weeks), and maintain meeting documents.
- 4. Provide necessary restroom facilities for construction duration (28 weeks).
- 5. Coordination with Duke Energy.
- Coordination of shut downs with owners and contractors.
- 7. Obtain and maintain document management for the project to include:
  - a. Contractor qualifications, licensing, and insurance.
    - b. Obtain and maintain MSDS safety data sheets.
  - c. Weekly Safety Meetings.
  - d. Daily Logs.
  - e. Pre-task Forms.
  - f. RFI's and Change Orders.
  - g. Hot Permits.
  - h. Confine Space Permits.
  - i. Monthly Pay Application Review.
  - j. Testing and Final Approvals witness and review.
  - k. Develop punch List and manage completion of the work.
  - I. Close-out Documents.
  - m. Owner Training
  - n. Final Pay Application and Review.

August 23, 2016 Page 2 of 3

## 8. On-Site Monitoring:

- a. On-site 2 days a week for project duration (28 weeks).
- b. Material Verification with specifications and submittals.
- c. Fields QA/QC, Job Observation Reports.
- d. Field Safety Review, Job Safety Reports.

## Fee

Based on the scope of the project, as described above, APG Engineering's Construction Management fee not to exceed Ninety Eight Thousand Four Hundred Eighty Dollars \$98,400.00. This lump sum shall be adjusted upward pro rata if the scope increases from the above.

Refer to Table 2 below for a breakdown of the services listed above.

Proposal Fee	Responsibility
\$3,040.00	APG Engineering
\$1,520.00	APG Engineering
\$4,620.00	APG Engineering
\$2,700.00	APG Engineering
\$5,600.00	APG Engineering
\$7,000.00	APG Engineering
\$73,920.00	APG Engineering
\$98,400.00	
	\$3,040.00 \$1,520.00 \$4,620.00 \$2,700.00 \$5,600.00 \$7,000.00 \$73,920.00

## Options

1.	On-site Monitoring for 3 days a week for 28 weeks	ADD	\$ 32,340.00
2.	On-site monitoring for 5 days a week for 28 weeks		\$ 99,260.00

## Assumptions

- 1. The construction management service fees provided for this proposal are based upon:
  - a. The construction management service to be provide as an owner representative advisory role for this project.
  - b. This service is not intended to be provided as a construction management at risk agreement.
  - c. The construction management service cannot and does not warrant or represent that bids or negotiated prices will not vary from the project construction budget.
- 2. 3<sup>rd</sup> Party commissioning is not included as part of this proposal.
- 3. The awarded contractors shall provide all necessary permits and inspections.
- 4. The owner will issue contracts to the contractor directly.
- 5. APG Engineering Design Services are covered under a separate proposal/contract.
- 6. APG Engineering Request for Proposal (RFP) Process is covered under a separate proposal/contract.
- 7. APG Electrical Services are covered under a separate proposal/contract.
- 8. Construction Management Services of mechanical equipment replacement, such as pumps, is not included in this fee.

APG Electric, Inc. | 4825 140<sup>m</sup> Avenue North, Suite K | Clearwater, FL 33762-3822 | Telephone (727) 530-0077 | Fax (727) 530-0045 | www.aprelectric.com

Mr. Michael Wilson Project: Mid-County Services, Inc. APG Engineering

August 23, 2016 Page 3 of 3

For services described as "Change in Services," APG Engineering will be reimbursed on an hourly basis at the rates below:

- Principal- \$230
- Construction Project Manager/Senior Engineer- \$185
- Engineer/Senior Designer- \$165
- Designer- \$125
- CAD Operator- \$95
- Administrative- \$75

Reimbursable expenses include travel-related costs, mileage, meals, plotting and printing (except as required for in-house coordination), courier services, shipping and express mail. Such additional reimbursable expenses will be billed at 1.1 times actual cost to account for handling. Reimbursable expenses shall not exceed \$1,500.00.

During our review of this project, we have three areas of concern that may increase the cost and subject the project to schedule delays: 1) requirements of the control system to operate the electrical equipment, 2) replacement and or service of existing mechanical equipment do to maintenance and/or the power conversion, and 3) 3<sup>rd</sup> party commissioning of the project (if required). We recommend that funding for these items be included with the budget pricing for this project.

We appreciate the opportunity to provide you with this proposal. If all of this is satisfactory with you, please provide us a purchase order or a letter of intent to proceed. Authorized to begin work will assume the terms and conditions of this proposal are accepted and referenced in the purchase order or letter of intent.

We are looking forward to working with you on this project.

Sincerely, APG Engineering

Michael Millard, CFPS, SET Project Manager/Designer

ACCEPTED:

[X] Base Bid Price
[] Option # 1
[] Option # 2

ice \$98,400.00 \$32,340.00 \$99,260.00

8/23/16 Date:

**Owner Representative:** 414765 INC . Patrick C. Flynn, Vice-President, Mid

Date:

Consultant: <sup>L</sup> Michael Dobbs, Principal, APG Engineering

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MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION TELECOMMUNICATIONS

August 23, 2016

Mid-County Services, Inc. 200 Wethersfield Ave. Altamonte Springs, Florida 32714-4027 Attn: Michael Wilson

RE:

Mid County Services, Inc. 480 Volt Service Replacement Dunedin, Florida

Dear Michael,

Regarding your e-mail last week we have provided a proposal for the Request for Proposal (RFP) process in connection with the above referenced project.

## Scope of Services for the Request for Proposal (RFP) Process

APG Engineering will provide the following development and administrative services:

- 1. Develop the Request for Proposal (RFP) for the referenced project to include:
  - a. The owner contractual requirements, insurance requirements.
  - b. The project construction management requirements.
  - c. Construction documents and specifications.
- 2. Review the Request for Proposal (RFP) documents with the owner.
- 3. Implement the Request for Proposal (RFP) process, consult with the owner on the contractors to send the Request for Proposal (RFP).
- Conduct pre-bid meeting (if necessary), obtain contractor bids, review all bids with the owner and make recommendations based upon compliance with contract documents, bid specifications, and contractor qualifications.

## Fee

Based on the scope of the project, as described above, APG Engineering's Construction Management fee not to exceed Four Thousand Nine Hundred and Ten Dollars \$4,910.00. This lump sum shall be adjusted upward pro rata if the scope increases from the above.

Refer to Table 1 below for a breakdown of the services listed above.

Service	Proposal Fee	Responsibility
Develop RFP	\$2,400.00	APG Engineering
RFP Review	\$600.00	APG Engineering/Owner
Implement RFP Process	\$600.00	APG Engineering
Pre-bid meeting, Bid review Process	\$1,310.00	APG Engineering
Issue Prime Contractor contracts	N/A	Owner
Close out documents	\$400.00	APG Engineering
Total	\$4,910.00	

Table 1: Fee Breakdown

## Options

1. Provide Prime Contractor contract services

ADD \$ 1,200.00

## Assumptions

- 1. The owner will provide the required insurance and legal requirements for the RFP.
- 2. The owner will issue contracts to the contractor directly.
- 3. APG Engineering Design Services are covered under a separate proposal/contract.
- 4. APG Engineering Construction Management Services are covered under a separate proposal/contract as provided below.
- 5. APG Electrical Services are covered under a separate proposal/contract.

For services described as "Change in Services," APG Engineering will be reimbursed on an hourly basis at the rates below:

- Principal- \$230
- Construction Project Manager/Senior Engineer- \$185
- Engineer/Senior Designer- \$165
- Designer- \$125
- CAD Operator- \$95
- Administrative- \$75

Reimbursable expenses include travel-related costs, mileage, meals, plotting and printing (except as required for in-house coordination), courier services, shipping and express mail. Such additional reimbursable expenses will be billed at 1.1 times actual cost to account for handling. Reimbursable expenses shall not exceed \$500.00.

During our review of this project, we have three areas of concern that may increase the cost and subject the project to schedule delays: 1) requirements of the control system to operate the electrical equipment, 2) replacement and or service of existing mechanical equipment do to maintenance and/or the power conversion, and 3) 3<sup>rd</sup> party commissioning of the project (if required). We recommend that funding for these items be included with the budget pricing for this project.

We appreciate the opportunity to provide you with this proposal. If all of this is satisfactory with you, please provide us a purchase order or a letter of intent to proceed. Authorized to begin work will assume the terms and conditions of this proposal are accepted and referenced in the purchase order or letter of intent.

We are looking forward to working with you on this project.

Sincerely, APG Engineering

Michael Millard, CFPS, SET Project Manager/Designer Mr. Michael Wilson Project: Mid-County Services, Inc. APG Engineering

August 23, 2016 Page 3 of 3

Cc: Accounting MD, MH

ACCEPTED: [X] Base Bid Price [X] Option #1

\$4,910.00 \$1,200.00

Date: 8/23/16

Owner Representative: Patrick C. Flynn, Vice-President, Mid-County Services Inc. ()

Consultant: Michael Dobbs, Principal, APG Engineering

APG Electric, Inc. | 4825 140th Avenue North, Suite K | Clearwater, FL 33762-3822 | Telephone (727) 530-0077 | Fax (727) 530-0045 | www.aprelectric.com

# Kimley »Horn\_

Invoice for Professional Services

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: MIKE WILSON 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 
 Invoice No:
 7627310

 Invoice Date:
 Mar 31, 2016

 Invoice Amount:
 \$1,530.00

Project No: 140056002.1 Project Name: MID COUNTY WWTP MAPPING Project Manager: WOOD, WADE

**Client Reference:** 

For Services Rendered through Mar 31, 2016

Federal Tax Id: 56-0885615

## LUMP SUM

Description TOTAL AUTHORIZED FEE	Contract Value 15,300.00	Complete 10.00%	to Date 1,530.00	Billed 0.00	Due 1,530.00
Subtotal	15,300.00	10.00%	1,530.00	0.00	1,530.00

Total Invoice: \$1,530.00



ELECTRIC ENGINEERING TECHNOLOGY AUTOMATION LIFE SAFETY

December 7, 2015

Mid-County Services, Inc. 200 Weathersfield Ave. Altamonte Springs, FL 32714-4027

Attn: Michael Wilson

(via email: mawilson@uiwater.com)

RE: Mid-County Generator and Service Replacement Dunedin, FL

Dear Michael,

The following is our **<u>Revised Preliminary Budget (Order of Magnitude)</u>** cost proposal for electrical work as shown on preliminary (not for construction) drawings dated November 12, 2015:

## SCOPE OF WORK

TEMPORARY ELECTRICAL\$	67,500.00
DEMOLITION	
EXISTING GENERATOR BUILDING\$	6,000.00
ELECTRICAL WORK\$	24,000.00
ELECTRICAL WORK	
SUB STATION	
15KV GEAR/TRANSFORMER\$	17,000.00
MATERIALS\$	27,000.00
LABOR\$	15,000.00
EMERGENCY GENERATOR	
GENERATOR/GEAR/HOUSE/RIGGING\$	297,000.00
SLAB (ADD TO EXISTING)\$	4,000.00
MATERIALS\$	14,000.00
LABOR\$	23,000.00
FUEL PIPING\$	3,500.00
INTERCEPT EXISTING ELECTRICAL FEEDERS/LOADS	
MATERIALS\$	145,000.00
LABOR\$	70,000.00
TOTAL BUDGET AMOUNT \$	713,000.00

## ALTERNATE (FOR TEMPORARY POWER)

1) Provide new outside 800-amp panel (replacing existing panel 'PPA') for temporary power.

ADD (BUDGET) .....\$ 5,000.00

Note: This alternate is offered in case the existing panel <u>cannot</u> be used.

## **CLARIFICATIONS**

The following costs are **EXCLUDED** from our bid proposal:

- 1) Payment and Performance Bond.
- 2) Utility company service charges for permanent and/or temporary electrical service.
- 3) Utility company energy consumption charges.
- 4) Off-site parking and lay down areas for material storage.
- 5) Electrical engineering. <u>Note</u>: This contract is direct with APG Engineering and Mid-County Services.
- Diesel fuel for temporary generator.
   <u>Note</u>: Possible transfer fuel from existing diesel fuel tank to temporary tank.
- New slab for new generator house.
   <u>Note</u>: Budget assumes being able to re-use existing slab with extension.
- 8) Demolition of existing carport.

The following costs are **INCLUDED** in our bid proposal in addition to what is shown on bid documents:

- 1) Electrical permit.
- 2) Removal of trash from site.
- 3) State and County sales tax on all materials.
- 4) Sub-Station.

<u>Note</u>: Duke Energy is unable to provide new service drop at required voltage (120/240, 3-phase, Delta) 2,000 amps. Project design will show new sub-station.

We want to thank you for the opportunity to present our proposal, and look forward to working with you on this project.

Sincerely, APG Electric, Inc.

Ont

Terry Ryan Preconstruction Special Projects

cc: Michael Dobbs Rolando Martiatus (via email: mike.dobbs@apg.company) (via email: rolando.martiatus@apg.company)



MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION TELECOMMUNICATIONS

March 7, 2016

Michael Wilson Mid-County Services, Inc. 200 Weathersfield Ave Altamonte Springs, FL 32714-4027

RE: Mid-County Services, Inc. – 480V Electrical Service Dunedin, FL

Dear Mike:

We appreciate the opportunity to provide this proposal and are looking forward to working with Mid-County Services, Inc. We propose to furnish you those electrical engineering services described in AIA Document C141 (1997 Edition) as "Scope of Consultant's Services" for this project.

#### **Proposal Basis**

We understand the scope of this project to be the redesign of the completed construction documents for the electrical service and generator replacement located at your wastewater treatment facility located at 2299 Spanish Vista Dr., Dunedin, Florida. We will redesign the project coordinated with a new utility voltage of 480V/3-phase system in lieu of utilizing the existing 240V/3-phase utility system. Specifically, this new scope of work will require the following:

1. Identification and documentation of nameplate data for each existing load (HP, voltage, amperage, VFD, disconnect type.

2. Identify control voltages associated with each load.

3. We will work with Mid County Services to fully understand which pieces of equipment will have to be changed to 480V and which ones can remain at 240V. Additionally, coordinate which controls can remain at 120V.

4. Develop revised drawings for the plant for the new 480/240/120 voltages.

## Scope of Services

APG Engineering will provide the following engineering and design services:

- 1. As necessary, review prior design documents and perform site surveys as needed to obtain approximate size, location, and routing of existing electrical equipment and services.
- Generate electrical drawings indicating the required demolition and new construction work. As needed, this shall include; coversheets, floor plans, schedules, details, and risers.
- Supplementary support documents will be provided with final construction documents. As needed, these shall include: specifications.
- 4. Construction administration services shall be included. This shall consist of reviewing shop drawings and submittals, providing responses to requests for information, and performing a final punch list inspection.

APG Engineering | 4825 140<sup>th</sup> Avenue North, Suite K | Clearwater, FL 33762-3822 | Telephone (727) 530-0077 | Fax (727) 530-0045 | www.apg.engineering

Excluded services:

- 1. Record Drawings at the conclusion of the construction phase.
- 2. Utility design for specialty use spaces such as Data Centers, Kitchens, Event Centers, Auditoriums, etc.
- 3. Electric load metering of branch panels and service entrance.
- 4. Cost estimating.

## **Existing Services**

Unless specifically identified and quantified in writing by others, it is assumed that existing building utilities (including but not limited to mechanical, electrical, plumbing, fire protection and telecommunications systems) will be available and provide sufficient capacity in the immediate vicinity of the project area, and are currently code compliant. Should we be required to perform extensive research (primarily the determination of information not available to us on existing plans or specifications provided by the owner) in order to design the necessary connections and interfaces with existing systems and services, the additional work would be considered a Change in Service.

APG Engineering will identify testing required to confirm or determine capacities and performance of existing systems we believe appropriate and necessary for the scope of this project, including, but not limited to test and balance reports for HVAC systems and ampacity and circuit identification for electrical equipment. We understand the Owner will retain the necessary independent agencies to obtain this information, and report it in a timely manner during the design process.

## **Client Provided Information**

At the start of the project APG Engineering shall be provided with all available existing condition documents applicable to the project's scope of work.

## Fee

Based on the scope of the project, as described above, additional services for this scope of work is a lump sum of **Seven Thousand Five Hundred Ten Dollars (\$7,510)**. This lump sum shall be adjusted upward pro rata if the scope increases from the above. Our fee was assembled in the following manner:

For services described in C141 as "Change in Services," APG Engineering will be reimbursed on an hourly basis at the rates below:

- Principal- \$230
- Project Manager/Senior Engineer- \$185
- Engineer/Senior Designer- \$165
- Designer- \$125
- CAD Operator- \$95
- Administrative- \$75

## Billing

Billing will be monthly based on the percentage of services completed. A phase of work percentage guideline is provided below.

Construction Documents 100%

## Limitation of Liability:

APG Engineering | 4825 140th Avenue North, Suite K | Clearwater, FL 33762-3822 | Telephone (727) 530-0077 | Fax (727) 530-0045 | www.apg.engineering

March 7, 2016 Page 3 of 3

To the fullest extent permitted by law, the total liability or claims levied against APG Engineering (in aggregate) shall not exceed \$50,000. This shall be inclusive of any and all injuries, losses, damages and expenses whatsoever arising out of, resulting from, or in any way related to, but not limited to, negligence, professional errors or omissions, strict liability, breach of contract or warranty, either expressed or implied, of APG Engineering. APG Engineering shall not be responsible for acts, errors, or omissions of the Architect, Architect's other consultants, Contractors, Subcontractors, their agents or employees, or other persons performing work.

This proposal letter shall be referred to herein as "Agreement." The Agreement represents the entire agreement between the parties and supersedes all prior and contemporaneous agreements. This Agreement may only be amended in writing agreed to by the parties. The Agreement shall be governed and construed under the laws of the State of Florida.

We appreciate the opportunity to provide you with this proposal. If all of this is satisfactory with you, please sign one copy of this letter and return it to us. In the event we do not receive a signed copy of this letter, and we are authorized to begin work, we will assume the terms and conditions of this proposal have been accepted by you.

We are looking forward to working with you.

Sincerely,

Michael Dobbs Principal

C: Accounting MD, MH

ACCEPTED:

Agent - Mid County Services, Inc.

31 Date:

APG Engineering | 4825 140th Avenue North, Suite K | Clearwater, FL 33762-3822 | Telephone (727) 530-0077 | Fax (727) 530-0045 | www.apg.engineering

3076769

# RECEIVED

MAR 0 1 2016



INVOICE

ELECTRIC ENGINEERING TECHNOLOGY AUTOMATION LIFE SAFETY

Remit To:

4825 140th Avenue North Clearwater, FL 33762

Bill To: Utilites Inc 2335 Sanders Road

> Attn: Accounts Payable Northbrook, IL 60062

Project: 2126.

Mid-County Utilities 2299 Spanish Vistas Drive Dunedin, FL 34698

Batch

Doc

INVOICE #	INVOICE DATE	PAYMENT TERMS		CUSTOMER
105456	02/25/16	Net 30 days	·	10604

CONTRAC	TITEM	CONTRACT AMOUNT	% COMPLETE	TOTAL TO DATE
100	Engineering Services	6,400.00	100.00%	6,400.00
· · ·		6,400.00		6,400.00
				· .
	-			
	·		Total To Date :	6,400.00 0.00
			Plus Sales Tax : Less Retainage :	0.00
			ious Applications :	5,760.00
		Total	Due This Invoice :	640.00

Contractors EC0000486 | Engineers CA5947 | 4825 140th Avenue North | Clearwater, Florida 33762 | T 727.530.0077 | 727.530.0045 | www.apg.company

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Page 1 of 1

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-15**

# OF

# PATRICK C. FLYNN

## on behalf of

# Utilities, Inc. of Florida



#### ADD-CHANGE FORM

New Project or Budget	Change?	New Project	Assigned Project #	None
Requested by:	Michael Wilsor	n	Date:	11/15/2015
	Project Manager / A	Area Manager		
Project Name:	MC Field Office	e Trailer		
Company:	250	Mid-County Services Inc		
Business Unit:	250100	Mid-County Services Inc		SP
Project Owner:	Patrick Flynn		BU Type:	
Project Manager:	Michael Wilson	n	Budget Owner / RVP:	John Hoy
			Region:	Florida
Start Date:	11/16/2015	Q4 2015	State:	FL
Estimated End Date:	5/31/2016	Q2 2016		
Project Type:	Oth	ner		
Will project replace/retin	re any assets:	Yes		
Previously Requested:				
This Request:	\$65,000			
Still to be Requested: Total Project Budget:	\$65,000			
Total Troject Dudget.				
escription: emove and replace Mid-Coun	ty field office trailer in	ncluding:		
site prep and tree trimming andscaping to county code olumbing and electrical hookup permitting, Pinellas County office furniture elocation of communication an		ture.		
lisposal of existing field office	trailer.			
imeline Considerations:				
o be included as a pro forma i	n the July 2016 cons	olidated rate case.		
nter-dependant Project	Project Number:	Project Name		(If applicable)
ave engineering evaluations b	een performed?	Engineering project	number	(If applicable)
are engineering evaluations L				



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The existing office trailer has exceeded its expected service life. The unit has been in service since 1996, approximately 20 years. The facility is in need of replacement due to structural degradation and general wear and tear over many years of use.

The new facility will provide additional room to support the requirements of the Area Manager, plant operators and field staff at the Mid-County WWTP as well as house the treatment plant's SCADA system, the process control lab facilities, storage lockers, offices, and storage space for files, plans and drawings. The new facility will also provide adequate meeting space to conduct safety training activities, which are currently lacking.

#### **Risk Evaluation**

Existing facility has experienced frequent repairs to its HVAC, the roof leaks, the electrical service is undersized for current operational needs, the floor is failing and the wear and tear after many years of use indicate the trailer will require a major investment in order to extend its useful life. However, the trailer footprint and the layout of the rooms within the trailer are inadequate in meeting the current and future needs of the operations staff.

#### Alternatives Considered:

Build a block structure designed to withstand 160 mph winds that meets current building requirements, which would far exceed the cost of the proposed modular office space.

#### **Technical Review Summary:**

None required as the project budget does not exceed the minimum threshold required for technical review.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	65,000					
Project Spend in Current Plan	65,000					
Variance	-	100	-			
CIAC Collected	65 000	05 000	05 000	05 000	05 000	(if applicable)
Net Rate Base	65,000	65,000	65,000	65,000	65,000	
D&M Cost Impact B/(W)			-	T		
				11120		
Financial Justification	147.5 1	1.1.1		- Aller	The second second	
Estimated Revenue Impact per Number of Customers Impact Utility Financial Impact D&M Impact on EBITDA B/(W)	ed:	Yr 1	Served 1 2,200 Yr 2 -	Rate Payers 3,100.00 Yr 3	Yr 4	fr 5
Depreciation Impact on EBIT B/(	W)					185.83 N
Under-recovery on capital B/(W) Net EBIT Impact B/(W)						
ter con impact o/(w)	L					
Timing and Supporting Information	ation on Rate	Recovery				
Regulatory Plan Implications						
Assumptions						

Utilities, Inc. BID INFORMATION AND BUDGET BREAKDOWN

Value Bid Elements       43,800.00         Engineering       1         Direct Purchase of Parts / Materials       1         Landscaping / Site Restoration       17,200.00         Other Components (specify):       2,100.00         Furniture, process lab cabinets       1,900.00         Furniture, process lab cabinets       1175         Object Account(s) to which project will be closed:       1175       Office Struct & Imprv select from dropdown list select from dropdo
3         Component:       Amount         Value Bid Elements       43,800.00         Engineering       Direct Purchase of Parts / Materials         Landscaping / Site Restoration       Other Components (specify):         Cap Time       Site work         Site work       17,200.00         Demo of old trailer       2,100.00         Furniture, process lab cabinets       1,900.00         Site work       1175         Object Account(s) to which project will be closed:       1175         Office Struct & Imprv select from dropdown list select from dropdown
Component:     Amount       Value Bid Elements     43,800.00       Engineering     Direct Purchase of Parts / Materials       Landscaping / Site Restoration     Other Components (specify):       Cap Time     Site work       Site work     17,200.00       Demo of old trailer     2,100.00       Furniture, process lab cabinets     1,900.00
Value Bid Elements       43,800.00         Engineering       Direct Purchase of Parts / Materials         Landscaping / Site Restoration       Other Components (specify):         Cap Time       17,200.00         Bite work       17,200.00         Demo of old trailer       2,100.00         Furniture, process lab cabinets       1,900.00         Select from dropdown list       select from dropdown list         Select from dropdown list       select from dropdown lis
Engineering Direct Purchase of Parts / Materials Landscaping / Site Restoration Other Components (specify): Cap Time Site work 17,200.00 Demo of old trailer 2,100.00 Furniture, process lab cabinets 1,900.00 Furniture, process 1,900.00 Furnitu
Object Account(s) to which project will be closed:       1175       Office Struct & Imprv select from dropdown list select fr
General Comments:

Utilities, Inc. 

Approvals

Review Completed by Does project align with utility pl Comments	an and meet technical requireme	Date: ents? Ye	es 🗌 No 🗌	
Technical Peer Review Review Sponsored by Approval to proceed Comments (note if feedback re None, project budget does not	Yes No	Date Held equired for teo	chnical review.	
FP&A Review Review Completed by Does Project comply with curre Comments	ent Utility Rate and Regulatory Pl	Date: an? Yo	es 🗌 No 🗌	
Approvals				Applicable?
Regional Manager:	Michael A. Wilson	Date:	11/15/2015	
VP Operations:	Patrick C. Flynn	Date:	11/15/2015	
President:		Date:		
Approval or Re-Direction Co	mments		1	



MODSPACE 1200 SWEDESFORD RD. BERWYN, PA 19312

**Return Service Requested** 

# INVOICE

RECEIVED

NOV 2 4 2015

# Remittance Section

Customer Number Invoice Number Invoice Date **Due Date** Please Pay This Amount

1233023 501396421 11/19/2015 **Due Upon Receipt** \$ 10,500.00

\$

Amount Enclosed:

Make Checks payable to Modular Space Corporation

62200061E0 PRESORT 229 1 MB 0.436 P1C3 <B> այիկիկերը, անդերկիկիկ կերեսորել են հե

MID-COUNTY SERVICES, INC. 200 WEATHERSFIELD AVE 10

ALTAMONTE SPRINGS FL 32714-4027

Modular Space Corporation 12603 Collections Center Drive Chicago, IL 60693-0126

յուկըդվելիուկիլիկիդելինընդեղիկիվորիներին

# 0001050000012330230005013964210

Please return this portion with your payment. Do not enclose correspondence.

Important Messages

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Customer Name:	Mid-County Services, Inc.	Total Base Amount:	\$ 10,500.00
Customer Number:	1233023-0001	Total Taxes:	\$ 0.00
Invoice Number:	501396421	Total Due:	\$ 10,500.00
ModSpace Tax ID:	54-1375284		

DESCRIPTION	CONTRACT NUMBER	PO NUMBER	BILLING PERIOD	AMOUNT	TAX	TOTAL DUE
Project#: Project Name:	1411380	201170	11/19/2015 - 11/19/2015			
Contact:						1
Location:						
Asset(s): 0 s/n Custom Sale Upfront Deposit				10,500.00	0.00	10,500.00
Up deposit for sale # 1411513. PO # 201170				10 500 00		
Subtotal Total Tax				10,500.00	0.00	
Invoice Total						10,500.00
			PLEASE P	AY THIS AMO	UNT	\$ 10,500.00



INVOICE

MODSPACE 1200 SWEDESFORD RD. BERWYN, PA 19312

Return Service Requested

# RECEIVED May 0.2 2016

Remittance Section

Customer Number Invoice Number Invoice Date Due Date Please Pay This Amount

1233023 501578694 04/26/2016 Due Upon Receipt \$ 33,297.32

\$

Amount Enclosed:

Make Checks payable to Modular Space Corporation

MID-COUNTY SERVICES, INC. 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS FL 32714-4027 Modular Space Corporation 12603 Collections Center Drive Chicago, IL 60693-0126

սովբբիկիրվիկիկերերելիկիկոլութի

# 0003329732012330230005015786944

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Customer Name:	Mid-County Services, Inc.	Total Base Amount:	\$ 33.297.32
-			\$ 55,257.52
Customer Number:	1233023-0001	Total Taxes:	\$ 0.00
Invoice Number:	501578694	Total Due:	\$ 33,297.32
ModSpace Tax ID:	54-1375284		

DESCRIPTION	CONTRACT NUMBER	PO NUMBER	BILLING PERIOD	AMOUNT	ТАХ	TOTAL DUE
Project#:	1411380	201170	4/26/2016 -			
Project Name:			4/26/2016			
Contact:						
Location:						
Asset(s): 0 s/n						
Custom Sale Final Billing				30,699.50	0.00	30,699.50
CSC # 1411513						a anti-tra des
Asset(s): 0						
Custom Sale Sales Tax Billing				2,597.82	0.00	2,597.82
CSC # 1411513						
Subtotal				33,297.32		
Total Tax					0.00	
Invoice Total						33,297.32
						00,201.02
			PLEASE P	AY THIS AMO	UNT	\$ 33,297.32

Page 1 of 2



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731/EC13004251

> **INVOICE #79159** April 25, 2016

MID COUNTY UTILITIES, INC. 2335 Sanders Road Northbrook, IL 60062

RE: Office Trailer Site Work/Utilities/Permits – Mid County Wastewater Facility PO#

Ordered by: Michael Wilson Mid County Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

Work Completed from 2/1/16 through 4/18/16:

Obtain Building Permit from Pinellas County for new office trailer at wastewater facility.

Coordinate delivery and installation of trailer to site with ModSpace.

Supply and install new 4" gravity sewer from new office trailer and connect to existing manhole & test. Supply and install new <sup>3</sup>/<sub>4</sub>" water line from new office trailer and connect to existing water service & test. Supply and install new electrical wire and conduit from new office trailer to existing electrical service. Supply and install new 125amp circuit breaker in existing disconnect to match power in new trailer. Schedule and coordinate plumbing, electrical, mechanical, and habitat inspections with County.

Supervisor - 51.5 total manhours = \$3,455.68 Labor - 107 total manhours = \$2,097.05 Electrical - 77.5 total manhours = \$3,547.50 Equipment - Excavator, Crane Truck, Equipment = \$1,785.00 LABOR & EQUIPMENT: \$10,885.23 ADMINISTRATIVE: \$2,060.21 PERMIT FEES: \$1,523.66 MATERIALS: \$2,728.73

## TOTAL AMOUNT DUE THIS INVOICE: \$17,197.83 TERMS: Due Upon Receipt

# ENVIRONMENTAL EQUIPMENT SALES, INC.

Site Development/Water & Wastewater Systems/Underground Utilities/Industrial Construction

	Post Office Box 2459
	Riverview, FL 33568
ate Certified General Contractor #CG-C0617	731 (813) 677-6877 Phone

Page No. of Pages 1 PROPOSAL #1451

Sta State Certified Electrical Contractor #E13004251 (813) 677-2605 Fax

PROPOSAL SUBMITTED TO:	PHONE: 407-468-3268	DATE: April 7, 2016	
NAME: MID COUNTY UTILITIES INC. STREET:	JOB NAME: Demo/Removal of Existence STREET:		
11633 Paradise Point Way	2299 Spanish Vistas Drive		
New Port Richey, FL 34654	Dunedin	STATE:	
CONTACT NAME: Mike Wilson, Regional Manager	EMAIL: mawilson@uiwater.co	m	

We propose to provide all labor, material and equipment necessary to demo/remove existing office trailer remove from site.

Work to Proceed as Follows:

- Provide demo permit from Pinellas County.
- 2) Haul off and remove existing trailer from site. Trailer to become property of E.E.S.I. upon removal from site.

QUOTE-Work to be completed complete in accordance with the above specifications for the sum of: Two Thousand One Hundred Dollars and 00/100 (\$2,100.00) with Terms: Net 15 Days.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above and estimate. All agreements are contingent upon strikes, accidents or delays at beyond our control. This proposal subject to acceptance within 15 days and is void thereafter at the option of the undersigned. Delinquency charges of 11/2% per month will apply for all delinquent invoices. Collection fees for delinquent accounts, including attorney/collection agency fees and expenses incurred by Environmental Equipment Sales, Inc. are the responsibility of the customer.

#### ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

ACCEPTED 4/2/16 Date:

gnature:	Cottat Colym	
	PATRICK C. FLYNN, UP Print Name & Title	

Date:

Signature:

Si

Brian K. Spicher, President Environmental Equipment Sales Inc.

Pinellas County Notification Form DEMOLITION PROJECT Air Quality Division 509 East Avenue South, Ste. 138 Clearwater, Florida 33756 Phone: (727) 464-4422 Fax: (727) 453-3548 AirQualityAsbestos@pinellascounty.org	N# DEP#
I. Check at least one item for each type below, check additional items within a type if it applies:	
Notice Type: X Original Revision Revision # Cancellation On-hold	Courtesy
Project Type: RACM Removal Complete No RACM Detected After-the-Fact Notice (2)	Unsound Structure (1)
Facility Type: X NESHAP Applicable Residential Exempt Four or fewer Apt. Units	School/University/ College
11. Facility Name: Mid County Services - Wastewater Treatment Facility Office Trailer	
Address 2299 Via Dorado Parcel ID	b: 19/28/16/0000/240/0300
City: Dunedin County: Pinellas Zip:	33761
Bldg. Description: Metal Single Wide Trailer Bldg. Si	ize (Sq. Ft.): 480
Bldg. Details: # of Bldgs. 1 # of Floors 1 Age (Yrs): 15 Prior Use: Office	Trailer
III. Start Date: 5/25/16 Finish Date: 6/1/16 Daily Work Hours: 7:00am	-5:00pr Weekends
W. Emission Controls\\Procedures\\Amounts of Asbestos\\Fee (check or complete all items that apply):	
WATER BULLDOZER/HEAVY EQUIP. WRECKING BAII EXPLOSIVES FIRE TRAINING	RECYCLING OTHER
Procedures used if unexpected RACM is found or created: Stop/Wet RACM/Call Air Quality/Revise Notice	
Fee Schedule Bidg Size Square Feet     Actual Bidg. Size Square Feet     Actual Bidg. Size SqFt     Fee Schedule Amount     Fee Due	ke check payable to
See Fee Schedule On Page 2     480     1 Portable Structure     \$50	"PCBCC"
Cat I & II Asbestos Material CAT I SF CAT I LF CAT II SF CAT II LF	Describe Asbestos Material
* Cat I or II asbestos that will not be removed prior to demolition.	
Cat I or II asbestos that will be removed prior to demolition.	8
Please Note: For any Cat II asbestos that will not be removed prior to demolition, all provisions contained within the asbestos NESHAP reprocedures must be in place to control/abate any RACM, which will be created.	nust be addressed, and the required
V. Fee Receipt (check one) Mail To: X Demolition Contractor Facility Owner Other (Nat	me and Address attached)
VI. I certify that the above information is true and correct to the best of my knowledge.	
Signature and Date: 5/1	11/16
Print Full Name: Brian Spicher, President Environmental Equipment Sales, Inc.	
Signature made by: X Demolition Contractor Facility Owner Other (Name and Address attached)	
Contact Fax #: 813-677-2605 Contact Phone #: 813-677-687	7
Contact e-mail: colleen@enviroesinc.com Contact Name: Colleen Kleis	st
(1) UNSOUND STRUCTURE - If the facility is being demolished under an order of a State or local government agence structurally unsound and in danger of imminent collapse. A copy of the order shall be attached to the notification. The State or local government representative who has ordered the demolition, the date that the order was issued, and the ordered to begin must be included. (2) After-the-fact notifications are double the normal fee.	name, title, and authority of the

DEP#	Pinellas Cou	nty Notification For	m (Page	2) N#	
VII. Asbestos Consultant:	Air Quality Environme	ental Inc	Con	nsultant Lic.#: AX000	00043
Asbestos Detection/Analytical Procedures:	Thorough Asb. Insp./A	Asb. Survey PLM	Point Count	Other	
VIII. Facilty Owner: Mit	d County Services c	/o Utilities Inc			
Address: 2335 Sanders Ro	ad				
City: Northbrook		State: IL		Zip: 6006	2-6196
Contact Name: Mike Wilson				Phone: 407-468-3	268
IX. Demolition Contractor:	Environmenta	l Equipment Sales, Inc.			
Address: PO Box 2459					
City: Riverview		State: Florida		Zip: 3356	68
Contact Name: Brian Spiche	r or Colleen Kleist			Phone: 813-677-68	877
Contr. Lic.# CGC-06173	1 PCCLB #	I-CGC061731	Is this project 469.004(7) F.	et exempt from licensure u S.? Yes	inder section
X. Landfill: N/A				Class:	
City:		County:		State: Florid	da
Contact Name:			Ph	one:	
Transporter #1:			Ph	one:	
Transporter #2:			Ph	one:	
RECYCLING? : YES	If yes, then wher	re?:			
Fee Fee Requirements Fee - The notificat - A separate n - If in the cou determined, a - The Departm	e 25,000 - 49,999 so e 50,000 - 74,999 so e 75,000 - 99,999 so e 100,000 sq. ft. and gr ect notifications - <b>double</b> on to a notification is <b>\$2</b> an - Portable commercial s ructure. The intent is not a new location. (Public o es, portable buildings, and tion will not be accepted w rotification and fee are re- rese of a demolition or rem in owner or operator shall nent's fee requirements a	q. ft. \$600.00 q. ft. \$840.00 q. ft. \$1,080.00 q. ft. \$1,320.00 reater \$1,440.00 the normal fee	cture, but to tak structures inclue ucture litions. project belongs balance of the IAP demolition of	e out load stabilizing su de but are not limited to s in a higher fee category fee for the higher categ or asbestos removal proj	pports to re-support modular buildings, y than was initially lory.



Air Quality Environmental Job# 36391 Limited Asbestos Survey Report May 9, 2016

Report addressed to:

Ms. Candy LaTourette Environmental Equipment Sales Inc. PO Box 2459 Riverview, Florida 33568-2459

Dear Ms. LaTourette,

At your request, AQE AHERA accredited Building Inspector Erich Paltian conducted a site visit at the Mid County (trailer) facility located at 2299 Spanish Vista Drive, Dunedin, Florida 34698. This site inspection was performed on May 6, 2016. The purpose of the walkthrough was to evaluate the potential for asbestos issues potentially associated with a demo (relocation) of a manufactured home / trailer. The scope of work included the relocation of a 12x40 metal single wide trailer. At the time of AQE's arrival at the facility no suspect ACM materials were observed that would be impacted during relocation activities. The facility is atop steel I-beams and concrete masonry blocks. Based on the scope of work that was explained to this inspector, no suspect ACM materials were observed therefore, no sampling was performed.

If any potentially asbestos-containing building materials are observed during relocation activities that are likely to be disturbed as a result of the scheduled demolition (relocation), or if any future renovations/demolitions are to be performed, an additional inspection / asbestos survey would be required.

Sincerely,

Erich Paltian AHERA Asbestos Inspector / Supervisor

Steven A. Lipson, CIH, CSP FL Asbestos Consultant #AX-43

Member: National Environmental Health Association, American Industrial Hygiene Association, Pan American Aerobiology Association and the Indoor Air Quality Association Partner with the U.S. Environmental Protection Agency in establishing Indoor Air Quality guidelines and protocol

Additional information can be found on our website: www.AirQualityEnvironmental.com

Asbestos Online Training, LLC

1398794th Avenue N Semínole, FL 33776

727-593-3067

Asbestos Survey & Mechanical (AHERA Building Inspector) Refresher Training

This is to certify that

Erich Paltian

Training was in accordance with Title II of TSCA, 40 CFR Part 763. Appendix C to Subpart E as revised

Date of Course Examination 1/4/16

Date of Course Completion 1/4/16

Expiration Date 1/4/17

Certificate # 1416350

Course # FL-490006359 Provider # FL-490005406

INSTRUCTOR



# STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT 1940 NORTH MONROE STREET TALLAHASSEE FL 32399-0783

(850) 487-1395

LIPSON, STEVEN ANDREW AIR QUALITY CONSULTING INC 1713 SOUTH KINGS AVENUE BRANDON FL 33511

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IS LICENSED under the provisions of Ch.469 FS Expiration date NOV 30 2016 L1410150003012

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION ASBESTOS LICENSING UNIT

#### LICENSE NUMBER

AX0000043

The ASBESTOS CONSULTANT Named below IS LICENSED Under the provisions of Chapter 469 FS. Expiration date: NOV 30, 2016

> LIPSON, STEVEN ANDREW AIR QUALITY CONSULTING INC 1713 SOUTH KINGS AVENUE BRANDON FL 33511







# STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT 1940 NORTH MONROE STREET TALLAHASSEE FL 32399-0783

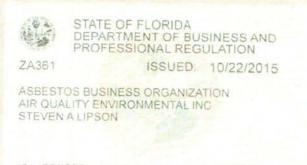
(850) 487-1395

AIR QUALITY ENVIRONMENTAL INC STEVEN A LIPSON 9325 SEMINOLE BOULEVARD SEMINOLE FL 33772

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IS LICENSED under the provisions of Ch 469 FS Expression data NGV/30 2011

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION ASBESTOS LICENSING UNIT

# LICENSE NUMBER

ZA361

The ASBESTOS BUSINESS ORGANIZATION Named below IS LICENSED Under the provisions of Chapter 469 FS Expiration date NOV 30, 2017

> AIR QUALITY ENVIRONMENTAL INC STEVEN A LIPSON 9325 SEMINOLE BOULEVARD SEMINOLE FL 33772



ISSUED 10/22/2015

DISPLAY AS REQUIRED BY LAW

SEQ # L1510220002836

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-16**

## OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida



#### ADD-CHANGE FORM

	Change?	New Project	Assigned Project #	:
Requested by:	Mike Wilson		Date:	9/9/2015
	Project Manager / A	rea Manager		
Project Name:	MC Collection	System Eval		
Company:	250	Mid-County Services Inc		
Business Unit:	250100	Mid-County Services Inc	BU Type:	SP
Project Owner:	Patrick Flynn			
Project Manager:	Mike Wilson		Budget Owner / RVP:	John Hoy
Start Date:	9/17/2015	Q3 2015	Region:	Florida
Estimated End Date:	12/31/2015	Q4 2015	State:	FL
Project Type:	EH&S Col	mpliance		
Will project replace/ret	ire any assets:	Yes		
Previously Requested:	\$0			
This Request:	\$60,379			
Still to be Requested:	TBD			
	\$60,379			
e project is designed to colle wo-month period. The MH s	ect gravity flow data at	16 discrete manhole locations encor where flow from mobile home parks e	enters the utility's collection sys	stem as well as
escription: le project is designed to colle wo-month period. The MH s easuring flow from discrete s stem due to stormwater rund the project consists of the follo 10 each Hach FloDar open 6 each Hach Sub AV open 1 each digital rain gauge, tw Installation, calibration and Customer support, equipment the flow and rainfall data will the end as minor rain events. It is	ect gravity flow data at ites include locations bub-basins in order to off, illegal connections owing elements: channel flow meters w channel flow meters w vo-month lease, instal extraction of flow meter ent and software traini be analyzed using the likely that additional e	where flow from mobile home parks e quantify dry and wet weather flow in r	enters the utility's collection system real time as rainfall events import on the lease ion confined space entry (equipped ing Hach software, technical su onse of the collection system t	stem as well as act the collection 4 & trained) upport to significant as
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### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The purpose of this project is to evaluate the Mid-County wastewater collection system to determine the location and severity of excess inflow and infiltration that occurs during severe wet weather conditions. The Mid-County customer base includes eight (8) MHP's whose sewer infrastructure is owned and maintained in whole or in part by those MHP's.

Locating and then fixing the sources of excess inflow and infiltration will allow for optimal use of existing permitted treatment capacity instead of investing capital to expand the plant's current capacity. By locating and documenting the source of excess I&I caused by poorly maintained privately owned collection systems in individual MHPs, the data will offer the information needed to impose surcharges on those properties contributing excess flow or to collect additional capacity fees commensurate to the flows generated from those MHPs in wet weather. In addition, it will also allow the utility to make timely and prudent improvements to the utility's facilities where appropriate and beneficial in order to maintain adequate level of service, avoid SSO's, and operate efficiently.

Mid-County WWTP's permitted capacity is 0.900 mgd. During recent major rain events, the plan'st flow exceeded 1.700 mgd reflecting the maximum pumping capacity of the master lift station that does not result in solids washing out of the facility. Heavy wet weather flows surcharge the collection system resulting in SSO's at certain locations.

#### **Risk Evaluation**

During the month of July there were 8 days where the ADF exceeded 1.2 mgd and the ADF for the month of July was 0.916 mgd, exceeding the Mid-County WWTP's permitted capacity of 0.900 mgd. This was a result of excessive I & I in the collection system. In August there were 28 days that exceeded 0.900 mgd with an average monthly flow of 1.097 mgd. These elevated flows caused by excess I & I overload the plant's treatment capacity and risk the potential (although low) for FDEP enforcement action at this facility if it was to continue for multiple months.

#### Alternatives Considered:

Cured in place repairs where required. Slip lining where required. RedZone camera deployment.

Technical Review Summary:



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend Project Spend in Current Plan	60,379					
Variance	(60,379)	-	-	1000	-	
CIAC Collected						(if applicable)
Net Rate Base	60,379	60,379	60,379	60,379	60,379	
O&M Cost Impact B/(W)		Î		Т		
			1000			
Financial Justification Deficiencies discovered as a rest						
Estimated Revenue Impact per	Customer:	Г	Served (3)	Rate Payers		
Number of Customers Impact		E	2,194	2,194		
Utility Financial Impact	3404	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
D&M Impact on EBITDA B/(W)				-	-	
Depreciation Impact on EBIT B/(		(503)	(2,013)	(2,013)	(2,013)	(2,013)
Under-recovery on capital B/(W)		(4,491) (4,994)	(4,340) (6,352)	(4,189) (6,201)	(4,038) (6,050)	(3,887) (5,900)
Net EBIT Impact B/(W)			(0,00-/1	(0)=0.1/1	(0,000)	(0,000)
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State State Caller	duled for a rate reafter, cost opt nal funds to fix t	filing in the ne tions would be he problems.	e evaluated an The combine	d then brough d cost of the c	nt before the Collection syste	PRT for consideration in m evaluation and the
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Bid	Company		Amount	Selected
1 2 3	Avanti - Hach - Water Resource Tee	chnologies	\$54,890	Yes
Component:	Amount		States-	Sure T
Value Bid Elements Engineering Direct Purchase of Parts / Mat Landscaping / Site Restoration Other Components (specify):		.00 should match set		
Cap Time Contingency 10%	5,489	.00		
Total Project Budget	60 379	00		
		1350		
Object Account(s) to whic	n project will be closed.	n/a	Not Applicable select from dro select from dro select from dro <u>Go to Refe</u>	opdown list opdown list opdown list
General Comments:	n the \$75,000 threshold that would oth	envise trigger the so	licition of three or mo	re hids
		en los algunario do		

Utilities, Inc. ((

Approvals

EAM Prime Review Review Completed by Does project align with utility pla Comments	an and meet technical requirem	Date: nents? Ye	es 🗌 No 🗌	
Technical Peer Review Review Sponsored by Approval to proceed Comments (note if feedback red	Yes No	Date Held		
FP&A Review Review Completed by Does Project comply with curren Comments	Christie Kincaid ht Utility Rate and Regulatory P	Date: /lan? Ye	9/10/2015 ss ⊻ No □	
Approvals				Applicable?
Regional Manager:	Mike Wilson	Date:	9/9/2015	
VP Operations:	Patrick C. Flynn	Date:	9/9/2015	
President:		Date:		
Approval or Re-Direction Con	iments			

# **TECHNICAL PROPOSAL # 090215-01**

# Hach Company DATA DELIVERY SERVICES (DDS) SELECT PROGRAM

Utilities, Inc. Project: Mid County Open Channel Flow Meter I&I Analysis

September 2, 2015



# DATA DELIVERY SERVICES

Service Order Form No. 090215-01 September 2, 2015

Customer: Utilities, Inc. Customer P.O.#:

#### Bill to

Customer contact: Mike Wilson 200 Weathersfield Ave Altamonte Springs, FL 32714

Phone: 407-468-3268 Mobile: Email: mawilson@uniwater.com Ship to Customer contact:

Phone: Mobile: Email:

**ORDER DESCRIPTION:** 

Qty	Service P/N	Instrument/ Description	Duration (months)	List Price	Unit	Selection (Initial)
10	DDS-SL3-UST	FloDar / FL904	2	\$1,260	Per Meter / Mo.	
6	DDS-SL3-UST	SubAV* / FL904	2	\$1,260	Per Meter / Mo.	
1	DDS-SL3-UST-RG	Rain Gauge	2	\$760	Per RG / Mo.	
						_

\* SubAV's require 8" mounting bands/clips.

DESCRIPTION OF SERVICES: Refer to Technical Proposal and Agreement 090215-01 dated September 2, 2015 TERMS AND CONDITIONS: As stated in the Subscriber License and Data Delivery Services Agreement

SPECIAL OR ADDITIONAL TERMS AND CONDITIONS:

- 1) Customer is responsible for installation, maintenance, and removal of all equipment.
- If equipment malfunctions during the deployment period, HACH COMPANY will send replacement equipment to the Customer. HACH COMPANY is not liable or obligated to reimburse Customer for labor expenses incurred as a result of equipment failure.
- 3) Customer is responsible for cleaning the equipment of any and all contaminants before returning the equipment to HACH COMPANY. Such cleaning should consist of removing all visible solid soils from the equipment and washing the equipment with a suitable cleaning agent such as "Simple Green" cleaning solution and water. Customer agrees to pay a cleaning fee to HACH COMPANY if the equipment is not returned in clean condition. Such cleaning fee will be proportional to the amount of labor required to clean the equipment of all contaminants.
- 4) All prices listed are in U.S. Dollars.



Page 2 of 19

Each person signing this Service Order Form represents that he/she intends to and has the authority to bind his/her respective party to this Agreement.

IN WITNESS WHEREOF, the parties by their authorized representatives have signed this Service Order Form No. 090215-01 as of September 2, 2015, (the "Effective Date").

#### HACH COMPANY CUSTOMER Signature: \_\_\_\_ Signature: 10 \_\_\_\_\_ Name: PATRICK C. FLYNN Name: \_\_\_\_ Title: UICE PRESIDENT Title: \_\_\_\_\_ Date: \_\_\_\_\_ 9 9 15 Date:



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# **TABLE OF CONTENTS**

DDS PROJECT SUMMARY

DETAILED TECHNICAL PROPOSAL

SPECIFICATIONS OF FLOWMETER EQUIPMENT

TERMS AND CONDITIONS FOR SUBSCRIBER LICENSE AND DATA DELIVERY SERVICES

APPENDIX A: CUSTOMER/PROJECT DETAILS



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# **DDS PROJECT SUMMARY**

#### Hach Deliverables:

- Delivery of factory calibrated flow instruments and communications equipment as specified
- Customer training on FSDATA software navigation and features, including report generation
- Secure 24/7 access to customer data on Hach's FSDATA software, viewable via standard web browsers (i.e., Internet Explorer)
- Technical support by phone (800-368-2723) as needed

#### **Customer Responsibilities:**

- Designate a shipping address to receive the meters
- Identify one individual as customer administrator, and up to 5 authorized users for access to secure flow data
- Supply computer and internet connectivity to access FSDATA software
- Generate reports utilizing FSDATA software as required by the project

When ready to move forward with your project, please scan and email or fax the signed Service Order form to:

dds@hach.com Fax: 970-619-5150

Alternatively, if you prefer hard copies, please mail two (2) copies of the signed Service Order form to:

Hach Company Attn: Hach Flow, DDS Orders 5600 Lindbergh Dr Loveland, CO 80503 800-368-2723

Hach Company will return a fully executed copy to you in the same manner by which yours was submitted.



Water Resource Technologies 11221 St. Johns Industrial Parkway North Jacksonville, FL 32246 (904) 928-0700



# Invoice

 Date
 Invoice #

 9/30/2015
 20151463

Bill To	Ship To
Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714	Job Name: HACH DDS Installations

S.O. No.	P.O. No.	Terms	Rep	Ship Date	Ship Via	Contact #
		C.O.D.	NAW	9/22/2015	WRT Truck	321-972-0374
Item	C	escription		Quantity	Rate	Amount
WRT-MISC	Installation & Removal of I	HACH Flo-Dar Equipm	ent	10	87	5.00 8,750.00
WRT-MISC	Installation & Removal of H	IACH Sub AV Equipm	ent	6	65	0.00 3,900.00
WRT-MISC	Installation & Removal of H	IACH Rain Gaugue		1	40	0.00 400.00
Diegee Remit Payment	To:11221 St. Johns Industria	al Parkway North				
Jacksonville, FL 32246	TO. TTZZT St. Johns Industria	ai Parkway North		Sub	total	\$13,050.00
				Sale	s Tax (7.0%	<b>%)</b> \$913.50
				Tota	ıl	\$13,963.50
Phone #	Fax #	V	Veb Site	Рау	ments/Cred	its \$0.00
( 877) 978-4286	( 904) -928-0790	140404	.wrtllc.com	Pal	ance Due	\$13,963.50



Water ReSource Technologies, LLC 11221 St. Johns Industrial Pkwy North Jacksonville, FL 32246 Toll free ph/fax (877)978-4286 nabbatiello@wrtllc.com Cell: 904-718-2003

Attention: Mike Wilson - Utilities, Inc. - Dunedin Job

Subject: Quotation for HACH Flow Product Installation & Removal

Date: 9/3/2015

# Flo-Dar installation & removal for (10) Sites

(1) Mobilization of technicians to complete the project.

(2) Technicians for installation of Hach Flo-Dar.

(1) Confined Space entry & supervision.

(1) Our blower, gas-meter, tri-pod and other equipment necessary for Confined Space entry

(1) Calibration of Hach Flo-Dar & confirmation while on site with Hach customer support.

(1) Materials required to fasten equipment within manhole & small section cutting & patching of concrete (directly adjacent to manhole)

(2) Technicians for removal of Hach Flo-Dar

### • Install & Removal: <u>\$875.00</u> per manhole/flo-dar

• Removal - Scheduled in advance based on duration of contract

# Sub-AV installation & removal for (6) Sites

(2) Technicians for installation of Hach Sub-AV Equipment.

(1) Confined Space entry & supervision.

(1) Our blower, gas-meter, tri-pod and other equipment necessary for Confined Space entry

(1) Calibration of Hach Sub AV & confirmation while on site with Hach customer support.

(1) Materials required to fasten equipment within manhole & small section cutting & patching of concrete (directly adjacent to manhole)

(2) Technicians for removal of Hach Flo-Dar

• Install & Removal: <u>\$650.00</u> per manhole/Sub-AV

# Rain Gauge installation & removal for (1) site

(1) Installation & Calibration of Hach Rain gauge w/ logger.

(1) Non-confined space entry. Pre-determined secure location required for proper installation of Rain Gauge. (Locked fenced area near lift station preferred)

• Install & Removal: <u>\$400.00</u> per site

# Price does not include:

- (1) Permit (if applicable)
- (2) Any permanent materials required for installation
- (3) Traffic control (if applicable) by others. If traffic control is required at an installation site, the site will be skipped and a separate proposal will be generated to accommodate for traffic control unless customer can provide.

# Note that price is dependent on the assumption that:

- a) Equipment can be installed during normal business hours, on consecutive business days until the scope of work is completed.
- b) All Hach equipment will be onsite prior to mobilization. A complete list of manholes with material list shall be provided prior to starting work. All Hach materials to be received and checked prior to starting work to ensure all correct equipment is on hand.
- c) The client will allow work to be completed rain or shine (no threat of lightning)
- d) A representative of the end user must accompany WRT during installations.
- e) WRT to be on site to complete the scope of work within 2-3 business days after receiving the complete DDS equipment from Hach.

# **Pricing Summary:**

Equipment	Quantity	Amount	Total
Flo-Dar	10	\$875.00	\$8,750.00
Sub A/V	6	\$650.00	\$3,900.00
Rain Gauge	1	\$400.00	\$400.00
22.24		Grand Total:	\$13,050.00

# Additional rates:

- Battery replacement (includes mobilization & labor)
  - Confined space rate \$350.00
  - Non-confined space \$250.00

#### o Batteries not included

- Labor rate(s) for troubleshooting & other request
  - Service call out charge (includes mobilization & arrival to site) \$150.00
  - Confined space <u>entrant</u> rate \$135.00 per hour
  - Confined space <u>supervisor</u> rate \$90.00 per hour
    - Confined space billed per tech (\$225 combined/hour)
  - Non Confined Space rate \$90.00 per hour

### Terms:

Terms of payment are cash, credit card, or company check upon delivery. Net 30 day terms are available with acceptable credit references. A 1.5% per month late charge will be assessed on all payments not made within agreed terms in writing. If this order is sent to collection, all legal and collection charges will be added to the responsibility of the buyer.

Please call with any questions; we look forward to working with you on this and future projects.

Nick Abbatiello Territory Manager Water Resource Technologies of Florida, LLC

# **FLO-DAR® AV SENSOR**

#### Applications

- Wastewater
- Collection Systems
- Industrial Water



The FLO-DAR® AV Sensor provides an ideal solution for non-contact, maintenance-free portable or permanent sewer flow monitoring.

The FLO-DAR AV Sensor provides a revolutionary approach to open channel flow monitoring. It combines advanced Digital Doppler Radar velocity sensing technology with ultrasonic pulse echo depth sensing to remotely measure open channel flow. Use with the Hach FL900 Series Flow Loggers (wireless or standard) for portable monitoring. For permanent power application sites the FLO-DAR can be connected to the FLO-STATION. Intrinsically safe models are available.

## **Accurate Flow Measurement**

FLO-DAR provides the user with highly accurate flow measurements under a wide range of flows and site conditions. By measuring the velocity of the fluid from above, FLO-DAR eliminates accuracy problems inherent with submerged sensors including sensor disturbances, high solids content and distribution of reflectors.

## **Non-Contact Sensor Eliminates Lost Data**

No lost data with non-contact, above the flow sensor that is unaffected by fouling due to debris and grease.

## **Easy Installation and Maintenance**

As the sensor is mounted above the flow, personnel have little or no contact with the flow during installation. Future sensor removal and replacement can be done without the need for confined space entry.

# Independent Accuracy / Long-Term Stability Verification

FLO-DAR sensor accuracy and long-term stability (up to 3 years without need for site calibration) from low flow depths up to surcharge conditions has been independently verified many times over the years including a formal evaluation by the Alden Research Laboratory, Inc. and recent field evaluations done by municipalities and consulting engineering firms.

# Perfect Solution for Difficult Flow Conditions

Operates in the most difficult conditions including flows with high solids content, high temperature, shallow and caustic flows, large man-made channels, and high velocities up to 20 ft/s.

# **Optional Surcharge Velocity Sensor (SVS)**

During surcharge events FLO-DAR's optional SVS electromagnetic sensor will continue to provide uninterrupted and accurate flow monitoring through dry and wet weather flows without the need for routine sensor cleaning or maintenance.



# Specifications\*

#### FLO-DAR AV Sensor

Enclosure	IP68 Waterproof rating, Polystyrene
Dimensions	160.5 W x 432.2 L x 297 D mm (6.32 x 16.66 x 11.7 in.), with SVS, D = 387 mm (15.2 in.)
Weight	4.8 kg (10.5 lbs.)
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-40 to 60°C (-40 to 140°F)
Power Requirements	Suppied by FL900 Flow Logger, Flo-Logger, or FLO-STATION

#### Interconnecting Cable–Disconnectable at both sensor and logger or FLO-STATION

Polyurethane, 0.400 (±0.015) in. diameter; IP68 Standard length 9M (30 ft), maximum 305 m (1000 ft)

Cables are available in two styles:

-connectors both ends

-connector from sensor with open leads to desiccant hub, desiccant hub with connector to logger. A potting/sealant kit will be included. This can be used to run the cable through conduit.

Important Note: The sensor cable assembly with desiccant hub is compatible with either the Marsh-McBirney Flo-Logger/Logger XT or the Hach FL900 Series Flow Loggers. When using this cable assembly with the Marsh-McBirney Flo-Logger, do not disconnect the desiccant cartridge that is attached to the Flo-Logger itself. It is important to keep the air tube plugged.

If using FLO-DAR cable with FLO-STATION, the cable will have bare leads to the FLO-STATION (30 to 1000 ft. lengths) and there will be no desiccant hub, as the air tube terminates inside of the FLO-STATION housing.

Warranty

#### 1 year

Set-up/Data Retrieval

FLO-WARE for Windows software is the user on-site set-up, data management, and report generation software. It is compatible with desktop/laptop computers utilizing Windows operating system.

#### Certification

FLO-DAR Sensor Model Numbers: 890004801, 890004901, 890004804, 890005201, 890004807, and 890005204 Frequency: 24.10GHz to 24.15GHz Category: Field Disturbance Sensor

Output Field Strength: < 2.5 V/m (128dBuV/m) @ 3m, measured per following standards

Certified to FCC Part 15.245: FCC ID: VIC-FLODAR24 Certified to Industry Canada Spec. RSS210, V7: IC No.: 6149A-FLODAR24

FLO-DAR Sensor Model Numbers: 890004802, 890004902, 890004805, 890005202, 890004808, and 890005205 Frequency: 24.16GHz to 24.19GHz Category: Short Range Device Output Power (EIRP): < 10mW (10dBm) @ 3m, measured per the following standard

Certified to ETSI EN 300 440-1 V1.6.1 (2010-08)

Use of this device is subject to the following conditions:

- 1. There are no used serviceable items inside this device.
- 2. The user must install this device in accordance with the supplied installation instructions and must not modify the device in any manner whatsoever.
- 3. Any service involving the transmitter must only be performed by Hach Company.
- 4. The user must ensure that no one is within 20 cm of the face of the transmitter when operating.

#### Surcharge Depth Measurement

Auto zero function maintains zero error below 0.5 cm (0.2 in.)

Method	Piezo-resistive pressure transducer with stainless steel diaphragm
Range	3.5 m (138 in.), overpressure rating 2.5 x full scale

#### **Velocity Measurement**

Method	Radar
Range	0.23 to 6.10 m/s (0.75 to 20 ft/s)
Accuracy	±0.5%; ±0.03 m/s (±0.1 ft/s)

Ultrasonic

#### **Depth Measurement**

Method Standard Operating Range from FLO-DAR Housing to Liquid

Level Operating Range

**Optional Extended** 

from Transducer

0 to 152.4 cm (0 to 60 in.)

0 to 6.1 m (0 to 20 ft.) with 43.18 cm (17 in.) dead band, temperature compensated.

Face to Liquid Accuracy

±1%; ±0.25 cm (±0.1 in.)

#### Flow Measurement

Based	on	Continuity	Equation
-------	----	------------	----------

Method Accuracy

±5% of reading typical where flow is in a channel with uniform flow conditions and is not surcharged,

±1% full scale max.

Continued on next page.

# **Specifications\* (continued)**

#### Surcharge Conditions Depth/Velocity

**DEPTH (Std with FLO-DAR Sensor)** Surcharge depth supplied by FLO-DAR sensor.

#### **VELOCITY (Optional Surcharge Velocity Sensor)**

Method	Electromagnetic
Range	±4.8 m/s (±16 ft/s)
Accuracy	±0.15 ft/s or 4% of reading, whichever is greater.
Zero Stability, Typical	$> \pm 0.05$ ft/s

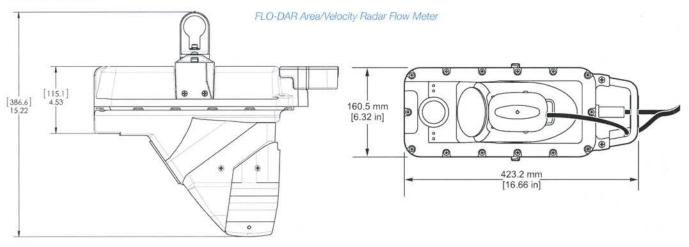
#### **Certification Intrinsically Safe (Optional)**

The optional FLO-DAR with a Surcharge Velocity Sensor (SVS) are certified to Class I, Zone 1 Standards. They conform to ANSI/UL 60079-11 and are certified to CAN/CSA E60079-11 and EN 60079-11 standards.

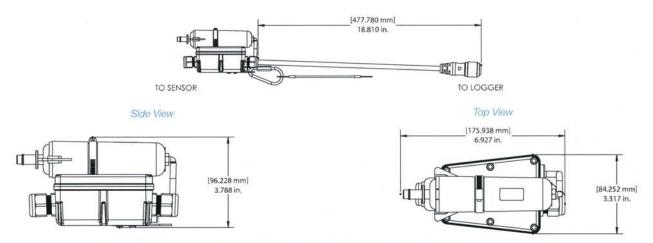
**(E** The FLO-DAR sensor meets CE requirements.

\*Subject to change without notice.

# Dimensions



The desiccant hub assembly includes a junction box to connect sensor cable to the desiccant and subsequently to the FL900 Logger. The desiccant can easily be replaced without need to purchase a separate desiccant module.



Desiccant Hub Assemblies for use with portable FL900 Series Loggers and Marsh-McBirney Flo-Logger. (Sensor cable for use with FLO-STATION will not contain a desiccant hub and will have bare wires on cable end.)

# **Ordering Information**

#### **Configure FLO-DAR Sensor to Logger (Portable)**

FLO-DAR Sensor	Model 4000	-	4	X	X
FLO-DAR Sensor with specified cable length (need to add cable as separate line item)			4		
Non Intrinsically Safe Surcharge Velocity Sensor Option (IMPORTANT NOTE: SVS cable length MUST MATCH FLO-DAR Sensor Cable length)				0 3	
Non Extended Range Extended Range Option–Allows use in flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60". SVS Option requires Remote Extended Range below. Remote Extended Range Option with 6' sensor cable–Flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60".					0 1 2

#### Configure FLO-DAR Sensor to FLO-STATION (Permanent)

FLO-DAR Sensor	Model 4000	-	9	X	X
FLO-DAR Sensor with specified cable length (need to add cable as separate line item)			9		
Non Intrinsically Safe Surcharge Velocity Sensor Option (IMPORTANT NOTE: SVS cable length MUST MATCH FLO-DAR Sensor Cable length)				0 3	
Non Extended Range Extended Range Option–Allows use in flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60". SVS Option requires Remote Extended Range below. Remote Extended Range Option with 6' sensor cable–Flow depths up to 18 feet, Allow for 18" deadband, Standard unit max depth is 60".		1			0 1 2

#### Cables

FD9000CBL-XXX*			Logger connec		-DAR sensor,
FDJCTBOXCBL-XXX*	* FL900 Series Logger to FLO-DAR sensor. Cable with connector to sensor, open end to desiccant hub, desiccant hub with connector to sensor. Includes finishing kit for potting/sealing desiccant hub. For use with conduit.				
6000062XX*			with co eries Lo		or for use
570011800-XXX* Model 4000-9					sensor Cable are leads.
6000059XX*	200131818181818		with ba		ds for use
*Contact customer serv	ice for	oroduc	t numb	pers.	
			ble Ler		n feet)
	30	125	225	400	700
	60	150	250	450	800

#### 170 200 500 000 70

15	175	300	500	900
100	200	350	600	1000
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See Lit. No. 2709 (standard models) and Lit. No. 2711 (wireless models) for FL900 Series Flow Logger ordering information. See Lit. No. 2616 for FLO-STATION ordering information.

#### | Mounting Hardware

800016701	Permanent Sensor Mount-Includes sensor frame & all mounting hardware. Portable Sensor Mounts Available (Sizes 34-107") Contact Sales.			
Accessories & Spares				
245000501	Sensor Retrieval Pole - Used to place and retrieve sensor from mounting bracket. Pole extends to 7.3 m (21 ft.)			
510012701	Sensor Retrieval Hook - Used with Sensor Retrieval Pole			
570011401	Grounding Strap (required with Retrieval Pole and Hook when used with IS units)			
8755500	Bulk desiccant beads (1.5 pounds)			

For additional information on products mentioned in this data sheet, request the following data sheets:

Hach FL900 Series Flow Logger -Wireless (LIT2711) Hach FL900 Series Flow Logger - Standard (LIT2709) **FLO-STATION Flow Monitor (LIT2616)** 

#### HACH COMPANY World Headquarters: Loveland, Colorado USA

United States: **Outside United States:** hachflow.com

LIT2708 Rev 5

800-368-2723 tel 970-622-7120 tel

970-619-5150 fax

hachflowsales@hach.com



K13 Printed in U.S.A. ©Hach Company, 2013. All rights reserved. In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.



# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-18

## OF

# PATRICK C. FLYNN

### on behalf of

# Utilities, Inc. of Florida8



## ADD-CHANGE FORM

New Project or Budget C	hange?	New Project	Assigned Project #	2016089
Requested by:	Michael Wilson Project Manager / A		Date:	8/24/2016
Project Name:	MC Methanol /	Instrumentation		
Company:	Mid County	Mid-County Services Inc		
Business Unit:	250100	Mid-County Services Inc		
Project Owner:	Patrick Flynn		BU Type:	SP
Project Manager:	Michael Wilson		Budget Owner / RVP:	John Hoy
Start Date:	8/1/2016	Q3 2016	Region:	Florida
Estimated End Date:	11/30/2016	Q4 2016	State:	FL
Project Type:	EH&S Cor	mpliance		
Will project replace/retire	e any assets:	Yes		
Previously Requested:				
This Request:	\$101,832			
ne scope of this project include Replace two existing methanc Replace discharge piping and	ol feed pumps, explo I vent piping with stai	inless steel.	Code	
Total Project Budget: escription: he scope of this project include Replace two existing methano Replace discharge piping and Replace and upgrade electric Install instrumentation to flow	es: of feed pumps, explo- l vent piping with stai al controls and condu- pace methanol feed	inless steel. uits to meet 2016 National Electrical 0 rates.	Code.	
Total Project Budget: escription: he scope of this project include Replace two existing methano Replace discharge piping and Replace and upgrade electrica Install instrumentation to flow Connect new equipment to the imeline Considerations: his project is a proforma includ	es: b) feed pumps, explose i vent piping with stain al controls and conduct pace methanol feed e Mid-County SCAD, ed in the 2016 UIF conduct	inless steel. uits to meet 2016 National Electrical ( rates. A system.		(familiashia)
Total Project Budget: escription: he scope of this project include Replace two existing methano Replace discharge piping and Replace and upgrade electrica Install instrumentation to flow Connect new equipment to the meline Considerations:	es: b) feed pumps, explosing t vent piping with stain al controls and condu- pace methanol feed e Mid-County SCAD, ed in the 2016 UIF conduct Project Number:	inless steel. uits to meet 2016 National Electrical ( rates. A system.		(If applicable)



### **JUSTIFICATION / ALTERNATIVES**

#### Justification and Benefits:

The Mid-County WWTF is a surface water discharge facility with stringent limits in its NPDES operating permit incliding deep bed denitrification filters that utilize methanol to reduce TN to <3.0 mg/L on an annual average basis. The existing methanol pumps, associated pump controls and piping components are at the end of their service life (24 years) and frequently are under repair with some of the pump parts now obsolete.

This project will update the pump controls by using current technology to optimize methanol feed rates. The pumps will be flow paced, driven by a PLC and output from an existing flow meter. In addition, the controls will tailor the feedrate using output from an in-line nitrogen and orthophosphate analyzer.

Also, the project will bring our electrical components into compliance with current NEC code. Methanol will be conveyed in a safer way to the deep bed denitrification filters after upgrading to stainless steel piping from PVC.

#### **Risk Evaluation**

With the current system utilizing obsolete pumping equipmen, which we have repaired many times over the past 24 years, the system could suffer catastrophic failure resulting in much higher costs for emergency procurement of scarce parts, shipping, and installation. Through planning and upgrading, those concerns will be eliminated. With automated controls, monitoring will be enhanced and improved through connectivity to the Mid-County SCADA system.

#### Alternatives Considered:

1. Do nothing, maintain the status quo. This will put the utility at risk of an unplanned failure of the methanol feed system that would impact effluent quality and increase the likelihood of exceeding permit limits and incurring penalities and enforcement actions.

2. Attempt to repair the current equipment when the pumps and/or controls fail. Since the pumps are obsolete, manufacturing or locating replacement parts on short notice is problematic.

Technical Review Summary:



**Financial and Regulatory Implications** 

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend Project Spend in Current Plan	99,633					
ariance	99,633			-		
CIAC Collected		-		-		(if applicable)
Net Rate Base	99,633	99,633	99,633	99,633	99,633	(ii applicable)
	La se antes					
D&M Cost Impact B/(W)						
Financial Justification						
mancial Justification			And a second second			
Estimated Revenue Impact per Number of Customers Impact		E	Served 1 2,199 2,199	Rate Payers		
Jtility Financial Impact D&M Impact on EBITDA B/(W)	Г	Yr 1	Yr 2	Yr 3	Yr 4 Yr	5
Depreciation Impact on EBIT B/(	w)				-	
Under-recovery on capital B/(W)						
Net EBIT Impact B/(W)						
Timing and Supporting Inform	ation on Pate	Pacovary				
This project is a proforma include			ed rate case t	o be filed in 3	016	
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Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						



Bid	Company			Amount	Selected
1	TriNova Methanol Pu	imp Skid		\$38,608	Yes
2	ChemScan - Denite F			\$41,467	Yes
3	EMS - Installation &	Telemetry		\$12,500	Yes
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mate Landscaping / Site Restoration Other Components (specify):		92,575.00			
Cap Time Contingency 10%		9,257.00			
Total Project Budget		101,832.00	should match Tota		
Object Account(s) to whic	h project will be clo	sed:	1380	Pumping Equip	oment Pump Plt
			1365	Flow Measure	Devices
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				select from dro	
				select from dro	puowinist
				Select from dro Go to Refe	a contraction of the second
		fuckisk here a series	had in lass that "	<u>Go to Refe</u>	erence List
The project is split into three bas	ic components, each o	f which has a cost t	hat is less than th	<u>Go to Refe</u>	erence List
The project is split into three bas bids:				Go to Refe	d to solicit three
The project is split into three bas	skid mounted Promine	ent explosion-proof	units that are pre-	<u>Go to Refe</u> ne minimum threshol packaged to meet th	d to solicit three ne requirements of
The project is split into three bas bids: 1. The twin methanol pumps are the application. This package wa pumps with great success. TriNo	skid mounted Promine is selected based on in iva represents the Pron	ent explosion-proof put from a site visit ninent pump line. C	units that are pre- to a nearby treat our experience wit	Go to Refe ne minimum threshol -packaged to meet th ment plant that has u th Pulsafeeder metha	d to solicit three the requirements of used Prominent anol pump options
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The project is split into three bas bids: 1. The twin methanol pumps are the application. This package wa pumps with great success. TriNo identified that they were not likel pumps or with as many features	skid mounted Promine as selected based on in ava represents the Prom y to perform at the leve and benefits.	ent explosion-proof put from a site visit ninent pump line. C I needed in this app	units that are pre- to a nearby treat Our experience wil plication over the	Go to Refe the minimum threshold packaged to meet the ment plant that has us th Pulsafeeder metha long term compared	d to solicit three ne requirements of used Prominent anol pump options to the Prominent
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bids: 1. The twin methanol pumps are the application. This package we pumps with great success. TriNo identified that they were not likel pumps or with as many features 2. Two vendors were solicited fo their responsiveness, the lower of 3. Installation costs were quoted familiarity with the existing SCAD	skid mounted Promine as selected based on in wa represents the Prom y to perform at the leve and benefits. r the chemical analyzer cost, anda a more polish by both TriNova and E DA system, long track re	ent explosion-proof put from a site visit ninent pump line. C I needed in this app r equipment with CP red and complete s MS with EMS select ecord of excellent p	units that are pre- to a nearby treat bur experience wit plication over the nemScan selected ubmittal. cted based on low erformance with i	Go to Refe the minimum threshol -packaged to meet th ment plant that has u th Pulsafeeder metha long term compared d over TriNova's equiver cost, simpler con	d to solicit three ne requirements of used Prominent anol pump options to the Prominent ipment based on trol scheme,
The project is split into three bas bids: 1. The twin methanol pumps are the application. This package wa pumps with great success. TriNo identified that they were not likel pumps or with as many features 2. Two vendors were solicited fo their responsiveness, the lower of 3. Installation costs were quoted	skid mounted Promine as selected based on in wa represents the Prom y to perform at the leve and benefits. r the chemical analyzer cost, anda a more polish by both TriNova and E DA system, long track re	ent explosion-proof put from a site visit ninent pump line. C I needed in this app r equipment with CP red and complete s MS with EMS select ecord of excellent p	units that are pre- to a nearby treat bur experience wit plication over the nemScan selected ubmittal. cted based on low erformance with i	Go to Refe the minimum threshol -packaged to meet th ment plant that has u th Pulsafeeder metha long term compared d over TriNova's equiver cost, simpler con	d to solicit three ne requirements of used Prominent anol pump options to the Prominent ipment based on trol scheme,



Approvals

Review Completed by Does project align with utility p	Nate Carver lan and meet technical requirem	Date:	8/26/2016 es ☑ No □	
Comments	nan and meet technical requirem	ients? I		
This project aligns with the util	ity pland and meets UI technical	requirements.		
Technical Peer Review				
Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No		The second second	
Comments (note if feedback re	eceived in review incorporated)			
FP&A Review		Deter		
Review Completed by Does Project comply with curre	ent Utility Rate and Regulatory P	Date:	es No	
Comments	ent ounty Nate and Negulatory P			
Approvals				Applicable?
	Michael Wilson	Date:	8/26/2016	Applicable?
Regional Manager:	Michael Wilson Patrick C. Flynn	Date: Date:	8/26/2016 8/26/2016	
Regional Manager: VP Operations:				
<b>Approvals</b> Regional Manager: VP Operations: President: <b>Approval or Re-Direction Co</b>	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
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Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
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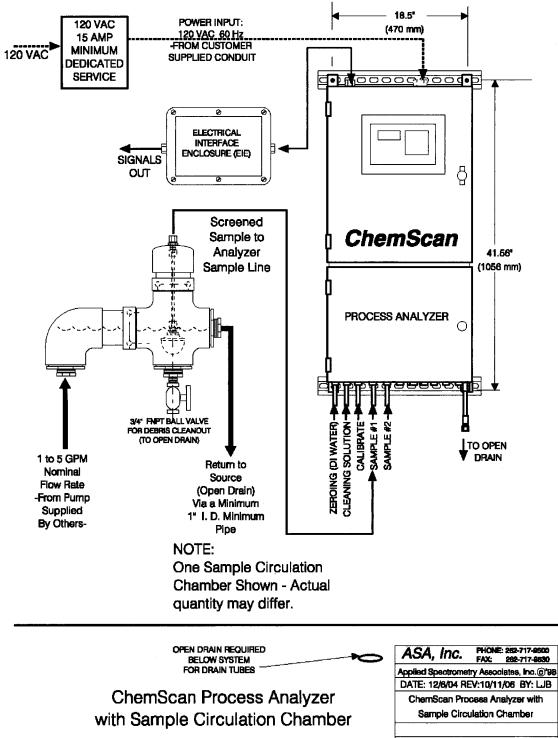
# ChemScan<sup>®</sup> Process Analyzer

## Formal Proposal

Applied Spectrometry Associates, Inc. (ASA Analytics, Inc.), agrees to sell and deliver to the purchaser and the purchaser agrees to buy and accept from the company the ChemScan<sup>®</sup> products and services as described in this proposal upon operation of the ChemScan system in accordance with a standard of performance during a trial period as defined herein.

Log No.:		Proposal Date:
130804.4		August 24th, 2016
Project Name:		Bid Date:
Utilities, Inc. of Florida Mid-County WWTP - Dur Denite Filters Nitrate + Orthophosphat		n/a
	Submit to:	Mr. Seyd J Matteson Utilities, Inc. of Florida Mid-County WWTP 2299 Spanish Vista Dr. Dunedin, FL 34698 Phone: (727) 787-7978 Email: <u>sjmatteson@uiwater.com</u>
×	ChemScan Representative:	Chuck Hlavach EnviroSales, Inc. 4125 Bee Ridge Road Sarasota, FL 34233 Phone (941) 915-4861 Email: <u>chuck@envirosalesofflorida.com</u>
	Factory:	Applied Spectrometry Associates, Inc. 2325 Parklawn Drive Waukesha, WI 53186 Phone (262) 717-9500 Fax (262) 717-9530
	Contact:	Bruce Stevens – Regional Manager Atlanta, Georgia Area Office Email: <u>bps@chemscan.com</u> Phone (207) 557-2789

Page 1 of 8



FILE # 41SCWLLA

## **Denite Filter System Analyzer with Sample pumps**

Item 1 One (1) Wall Mounted ChemScan <u>Model UV-2150/NoP</u> Process Analyzer, including NEMA-4X 316L stainless steel electronics module enclosure, main power connection, control circuit board, network communications board and associated software for instrument control, internal memory with lithium battery backup, light source module, spectrograph module with 256 element array detector, external keypad and cabinet mounted display. Flow cell module consisting of removable flow cell, internal manifold including auto zero and clean functions, calibration sample port and <u>two sample lines</u>, peristaltic analyzer pump, RS-232 serial port and NEMA-4X stainless steel enclosure.

Item 2 One (1) Wall Mounted ChemScan Electrical Interface Enclosure, including NEMA-4 fiberglass enclosure, system communication module with four (<u>4) analog (4-20 mA) outputs</u>.

Item 3 Applied Spectrometry Associates, Inc. single instrument software license for chemometric algorithm suitable for on-line analysis of the following parameters:

Dunedin, FL	Mid County Services WRF	Nitrate (mg/l as N)	Ortho-phosphate (mg/l as P)
Sample Location #1	Denitrification Filter Influent	0.1 – 20.0	0.1– 5.00
Sample Location #2	Denitrification Filter Effluent	0.1 – 20.0	0.1 – 5.00

Item 4 ASA furnishes a Sample Conditioning Chamber for the influent line and a 1/2 year supply of chemical reagents for start-up (DI water and muriatic acid by others). Recipes for future make-up of additional reagents onsite shall be given out during training exercises after the installation of the system

Item 5 Field Service -as follows: Initial on-site calibration - one (1) visit is included – onsite lab assistance is required Operation and Maintenance training – 1/2 day, included in above Includes travel expenses from Waukesha, WI

Notes:

1. Sample conditioning may not be necessary if TSS levels are below 150 ppm and no large chunks of algae or debris are present in the clarifier effluent.

2. Sample pumps are to be furnished by Client (existing)

3. Sheltered or indoor location is required to maintain the proper ambient temperature. Prevent direct or reflected sunlight from impacting the analyzer enclosure and allow for air flow across or around the unit to minimize adverse temperature effects.

4. Model 2150 is expandable to read other analytes in the future such as nitrite and ammonia; if desired, field service costs and license fees will apply at that time.

## **ChemScan Parts List**

Description	Part Number	Unit Price
1 Amp Fuse	AEF0001	10
4 Amp Fuse	AEF0002	10
Heater/Fan Assembly	AEH0000	325
DC Power Supply w/wiring- 5/12	EPS0001	335
Spectrograph Assembly	AOS0006	5,225
Flash Lamp Assembly without lamp	AOF0000	2,609
Flash Lamp High Voltage P.S.	EPS0002	1,260
Flash Lamp	OLX0000	628
Flash Lamp DC Power Supply-24 w/wiring	EPS0000	130
Instrument Control Board (ICB)	AEC0001	869
Battery	ECB0001	16
Network Interface Card	AEC0011	325
24 VAC Transformer	EPT0001	35
RF Line Filter	ELF0000	53
Control Panel Assembly	MPC0000	228
Flashlamp Module	AFM2008	1,418
Fiber Optic Cable (Qty. 1)	OFC2000	375
Valve/Pump Driver Card	AEC0012	434
Injector Pump	PFP0007	780
Reagent Injector Tube Assembly (Qty 3)	AIF0016	83
	FSC0005	24
Reagent Containers (Specify Color)		
Reagent Container Tube Assembly (Specify	ARI0016	107
Color)	DUGGQL	510
Manifold Valve	PVS0016	510
Manifold Block (4 station)	MAN0615	600
Manifold Block (2 station)	MAN0516	300
Peristaltic Pump Assembly	PSP0003	1,588
Peristaltic Pump Tube (50 ft)	TGT0007	192
Peristaltic Pump Tube Assy.(set of 4)	APT0022	136
Optrode Assembly (Lens Blocks only)	AFO0099	1,097
Flow Cell Assembly (injectable)	AFC0540	878
Flow Cell Body ( 50 mm, injectable )		520
Flow Cell Assembly (non-injectable)	AFC0535	550
O-rings	POX0001	8
Inlet Assembly	BFA0001	37
Inlet Strainer Screen	PFS0054	18
Flow Cell Windows (set)	AWP1175	384
Diaphragm Pump ( Cyclic)	PFP0014	478
Diaphragm Pump (UV2150/S)	PFP0015	610
Cyclic Valve on pump plate	PVS0018	526
C.I.M.	AEC2005	1,,022
Fuse (2 A)	EFF0001	10
PLC Backplane (4 slot) D2-04B	UPM0001	323
PLC Backplane (6 slot) D2-06B	UPM0002	398
4-20 mA Output Module F2-02DA-1	UPM0003	390
Input Module D2-08NA-1	UPM0005	173
Output Module D2-08TR	UPM0006	155
Pre-loaded CPU Module D2-240 CPU	UPM0008	698
4-20ma Output Module (8 channel)	UPM0008	748
Ethernet IP Module in box (4201-dfnt-mcm)	UPM0019 UPM0020	3,000
Filter Elements		

Cyclic Elements 12/ pkg

PFM1004

Page 4 of 8

800

UFM0003

500

## Denite Filter Sampling and analysis system

Price	Items 1 to 5 two sample point UV – 2150/NoP	\$38,230.00
	Spare parts highlighted in yellow, 3 items (P/N's AEC0001, PFP0007, PSP0003)	<u>\$ 3,237.00</u>
	Total Price for one analyzers and spare parts	\$41,467.00

<u>Taxes</u>: Any applicable Duties or Federal, State, County or City Sales, Use, Excise or similar taxes will be added to the price and invoiced separately (unless acceptable exemption certificate is furnished).

 Terms of Payment:
 20% upon presentation of submittal package for approval.

 (OEM/Municipal)
 70% upon shipment of ChemScan<sup>®</sup> instrument and accessories.

10% upon startup, not to exceed 60 days from date of shipment.

NOTE: WARRANTIES SHALL APPLY ONLY IF PAYMENT IS MADE IN FULL AND IN CONFORMANCE TO THE ABOVE SCHEDULE.

Unless other terms are specified, all payments shall be in United States dollars, and pro rata payments shall become due as deliveries are made. If delivery is delayed by Purchaser, date of readiness for delivery shall be deemed to be date of delivery for payment purposes. If manufacture is delayed by Purchaser, a payment shall be made based on purchase price and percentage of completion, balance payable in accordance with the terms as stated.

If payments are not made in conformance with the terms stated herein, the contract price, without prejudice to Company's right to immediate payment, shall be increased by 1% per month on the unpaid balance but not to exceed the maximum amount permitted by law.

If at any time in Company's judgment Purchaser may be or may become unable or unwilling to meet the terms specified, Company may require satisfactory assurances of full or partial payment as a condition to commencing or continuing manufacture of in advance of shipment, or if shipment has been made recover the product(s) from the carrier.

Shipping Date: price policy clause.	45 days or less after authorization to proceed with fabrication, subject to
Delivery Terms:	F.O.B., Waukesha, WI. Freight allowed in price quoted.
<u>Validity</u> : proposal shown above.	This proposal is valid for a period of 60 days from the date of the

## STANDARD CONDITIONS OF SALE

## 1. Terms

Delivery to the transporting carrier shall constitute delivery to the Purchaser and title shall pass at that point, except that a security interest in the product(s) shall remain in Applied Spectrometry Associates, Inc. (Company) regardless of mode of attachment to realty or other property, until the full price has been paid in cash. The Purchaser agrees to perform all acts necessary to perfect and maintain said security interest, and to protect Company's interest by adequately insuring the product(s) against loss or damage from any external cause with Company named as insured or co-insured.

Partial shipments may be made and proportionate payments shall become due and payable on partial shipments. Company shall select method of transportation and route. When delivery terms are FOB, destination or freight allowed to destination, "destination" means common carrier terminal point (within the continental United States, excluding Alaska and Hawaii) nearest the final destination.

The target shipment date is subject to change due to delay on the part of the Purchaser in supplying the Company with necessary data or any changes therein at the Purchaser's insistence, and to delays caused by fires, floods, strikes, accidents, civil or military authority, delays by suppliers of material and any other cause beyond the Company's reasonable control. Delay in delivery for any cause shall in no event subject the Company to any special or consequential damages.

If at any time in Company's judgment Purchaser may be or may become unable or unwilling to meet the payment terms specified, Company may require satisfactory assurances of full or partial payment as a condition to commencing or continuing manufacture or payment in advance of shipment, or may, if shipment has been made, recover the product(s) from the carrier.

If payments are not made in conformance with the terms specified herein, the contract price, without prejudice to the Company's right to immediate payment, shall be increased by 1% per month on the unpaid balance, but not to exceed the maximum amount permitted by law.

## 2. Warranty

The Company warrants the product(s) on date of delivery to Purchaser to be of the kind and quality described herein, merchantable, and free of defects in workmanship and material.

There are no warranties, express or implied, except the foregoing. The provisions in specifications hereto attached, if any, are descriptive. There is no warranty as to the performance of the product(s) except as may be set forth in a separate performance warranty attached to this proposal.

The foregoing warranties are expressly conditioned upon the ambient operating temperature at no time exceeding 120°F. If temperature at any time exceeds 120°F, all warranties shall be null and void and the Company shall have no responsibility or liability with respect to the product(s).

The Company shall not be responsible for the deterioration of any kind of the product(s) to corrosion, erosion, or any other cause, regardless of when such deterioration occurs after leaving the Company's premises.

Any item of the product(s) which has not been manufactured by the Company shall be covered only by the express warranty of the manufacturer thereof.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE EXPRESSLY STATED IN THIS CONTRACT. THE EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY OR CLAIM IN TORT OR CONTRACT IS AS STATED HEREINAFTER.

IF PAYMENTS ARE NOT MADE ON TIME AND IN FULL, ALL WARRANTIES SHALL BE NULL AND VOID AND THE COMPANY SHALL HAVE NO RESPONSIBILITY OR LIABILITY WITH RESPECT TO THE PRODUCTS.

IF THE PRODUCT(S) IS/ARE NOT INSTALLED, OPERATED AND MAINTAINED IN CONFORMANCE WITH THE COMPANY'S INSTRUCTIONS, ALL WARRANTIES SHALL BE NULL AND VOID AND THE COMPANY SHALL HAVE NO RESPONSIBILITY OR LIABILITY WITH RESPECT TO THE PRODUCTS.

If, within one year from the date of initial operation, but not more than 18 months from date of shipment by Company of any item of the product(s), Purchaser discovers that such item was not as warranted and that such defect interferes with the mechanical operation of the product(s), and promptly notifies the Company in writing thereof, the Company shall remedy such nonconformance (but only if the Company, in its sole judgment, determines that such item or product(s) was not as warranted and that such defect interferes with the mechanical operation of the item or product(s), and in the event of a dispute, the Company's decision shall be final) by, at Company's option, adjustment of the purchase price or furnishing or repairing, depending upon which alternative is most in accord with scientific or engineering principles, without charge, FOB origin, a similar part to replace any part of the product(s). Purchaser shall assume all responsibility and expense for removal, reinstallation, and freight in connection with the foregoing remedies. The Company shall have the option of requiring the return of the product(s), transportation prepaid by purchaser, to establish the claim, or to make repairs or replace parts, or both. No allowance will be made for repairs or alterations unless made with the Company's consent or approval. Company will not be responsible for work done, apparatus furnished or repairs made by others, without prior authorization by the Company.

Replacement parts furnished by the Company shall be warranted as new parts are herein warranted. The same conditions and limitations with respect to the repair or replacement of such replacement item or product(s), as apply to new product(s), shall apply to such replacement parts. Company shall have the right of disposal of parts replaced by it.

Company's liability to Purchaser relating to the product(s), whether in contract or in tort, arising out of warranties, representations, instructions, installations, or defects from any cause, shall be limited exclusively to adjusting the purchase price or correcting the product(s) and under the conditions as aforesaid. The Company shall not be liable for any special or consequential damages resulting in any manner from the furnishing or use of the product(s), whether in connection with any erosive or corrosive gases or liquid or otherwise.

## 3. Patents

Company shall pay costs and damages finally awarded in any suit against Purchaser or its vendees to the extent based upon a finding that the design or construction of the product(s) as furnished infringes a United States patent (except infringement occurring as a result or incorporating a design or modification at Purchaser's request) provided that Purchaser promptly notifies Company of any charge of such infringement, and Company is given the right at its expense to settle such charge and to defend or control the defense of any suit based upon such charge. This paragraph sets forth Company's exclusive liability with respects to patents.

## 4. Confidential Information and Improvements

Purchaser will keep confidential and will not use or reproduce any information received from Company in connection with the Proposal or the use, operation nor maintenance of the product(s) except with the written consent of Company. Purchaser will not copy or otherwise reproduce any written or printed material or drawings furnished to Purchaser by Company in connection with the product(s). Purchaser will return all such material to Company if the Proposal is not accepted. Purchaser will not copy the product(s) or make any design drawings of the product(s) and will not permit others to copy or make design drawings of the product(s) invented or suggested by Purchaser or its employees.

## 5. General

Company shall not in any event be liable for indirect, special, incidental, or consequential damages, or penalties, nor does it assume any liability of Purchaser or others for injury to persons or property.

The laws of the State of Wisconsin shall govern the validity, interpretation and enforcement of this contract.

This document and the other document specifically referred to as being a part thereof, constitute the entire contract on the subject matter, and it shall not be modified except in writing signed by both parties. Assignment may be made only with written consent to the other party.

Unused spare or replacement parts may be returned FOB factory for credit less a 25% handling and restocking charge.

**OFFER** The foregoing is hereby offered.

ChemScan<sup>®</sup> Process Analyzers Applied Spectrometry Associates, Inc. 2325 Parklawn Drive Waukesha, WI 53186

Buce P. Store

## ACCEPTANCE

The foregoing proposal is hereby accepted.

Utilities, Inc. of Florida Formerly Mid-County Services, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

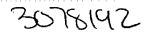
Satish C. Ilgun

By: Bruce P. Stevens – Regional Manager

Date: August 29th, 2016

By: Patrick C. Flynn, Vice President

Date: August 25, 2016



ENGINEERING-SALES-SERVICE

Bill To:

TriNova-Florida Formerly AMJ 4110 South Florida Ave, Suite 200 Lakeland, FL 33813 800-881-1487 Office | 863-687-0077 Fax FLSales@trinovainc.com

NEW

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Batch

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Page#: 1 Invoice#: 237444 Invoice Date: 07/22/16

UTILITIES INC 2299 SPANISH VISTAS DRIVE

UTILITIES INC 2335 SANDERS ROAD NSCHAEFER@UIWATER.COM NORTHBROOK IL 60062 Your PO#: 212716 Order Date: 04/29/16 Ship Date: 07/21/16 FOB: FACTORY SHIP POINT Ship Via: BEST WAY Tracking#:

DUNEDIN FL 34698 Terms: NET 30 DAYS SAOID#: 231790 Our Fed ID#: 63-0517031 Control#: 16-104132-Territory#: 41 49

Ship To:

LI#	Order	Ship	BO	Part#/Description	Net Each	Total
1	1	1	0	P2_EXBB_METHANOL_316SS Duplex primary/backup methanol feed skid package	13,783.00	13,783.00
				<pre>PP/PE skid for solenoid driven pumps, (42"W x 36"D x 72"H) 1/2" 316SS compression fittings and tubing Wye strainer 500ml SS/Glass calibration column Two pressure relief valves Pressure gauge with isolator Back pressure valve Plumbing and components rated at 150 PSI regardless of pump pressure.</pre>		
2	2	2	0	EXBBG0430SB10B612 Extronic version b	6,204.75	12,409.50
				ProMinent Extronic is a solenoid driven, diaphragm type metering pump used specifically in explosion proof applications. Factory Mutual approved for Class 1 Division 1, Groups B, C & D and intrinsically safe output connections for Class 1, Division 1, Groups A, C & D. CSA approved for Class 1, Division 1, Groups C & D. Manual stroke length is adjustable from 0% - 100% at a ratio of 10:1. Adjustable stroke frequency contro at a ratio of 25:1.		
				<pre>Selected options: type of protection: gas explosion proof pump type: 50.8 psi 7.13gph dosing head material: 316 SS with PTFE o-rings, R 1/4" internal thread valve spring: without valve spring electric connection: 115V 50/60Hz open end control system type: Analog 4-20 mA, intrinsically safe [ i,a] control operation: with push button for maximum frequency approval - country / language: FM - USA, English, 115 V, 230 V</pre>		
3	2	2	0	TB_NEMA 7 NEMA 7 TERMINAL BOX	4,548.00	9,096.00
				**************************************		
				· · · · · · · · · · · · · · · · · · ·	RE(	)CI\

AUG 0 3 ZUIG



TriNova-Florida Formerly AMJ 4110 South Florida Ave, Suite 200 Lakeland, FL 33813 800-881-1487 Office | 863-687-0077 Fax FLSales@trinovainc.com

## INVOICE

Page#: 2 Invoice#: 237444 Invoice Date: 07/22/16

LI#	Order	Ship	BO	Part#/Description	Net Each	. Total
6	1	0	1	ONSITE SERVICE ONSITE SERVICE FOR START-UP AND TRAINING ON PROMINENT METHANOL SKID (BOTH COMPLETED IN 1 DAY)	1,400.00	
					-Total: /Handle: Tax:	35,288.50 850.00 2,470.20
				Tot	tal Due:	======================================

## EMS of Central Florida, Inc.

7906 Clark Moody Boulevard Port Richey, FL 34668 Phone # 727-847-3722 Fax # 727-847-4063 EMS34668@gmail.com

## Name / Address

Utilities, Inc. Attn: Accounts Pay Mid County Unit #250100 2335 Sanders Road Northbrook, IL 60062

## Estimate

Project

Date	Estimate #
7/25/2016	17787

Qty	Description		Rate	Total
	**Estimate for EMS to install piping, electrical and S Duplex Primary/Backup Methanol Feed Skid Packag ChemScan Process Analyzer**	SCADA for ge and		
1	Methanol System - Labor & Materials to install, setu operational.		6,250.00	6,250.00
	ChemScan Process Analyzer - Labor & Materials to and make operational.	install, setup	6,250.00	6,250.00
	**Methanol Skid Package and ChemScan Process An supplied by others**	nalyzer to be	1 Contest 6 25 16	
ng Ang Pang				
		· · · · · · · · · · · · · · · · · · ·		
Interst c	f 1 1/2% per month on past due invoices. Customer agrees to pay all collection cost.	Subt	<b>iotal</b>	\$12,500.00
		Sale	s Tax (7.0%)	\$0.00
		Tot	al	\$12,500.00
Signature				
	www.emsofcentr	alflorida.com		

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## EXHIBIT PCF-19

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida8



## ADD-CHANGE FORM

	Change?	New Pro	oject	Assigned Project #	2016032
Requested by:	Mike Wilson Project Manager / A	rea Manager		Date:	3/8/2016
Project Name:	US 19 Utility Re	elocation			
Company:	250	Mid-County S	Services Inc		
Business Unit:	250100	Mid-County S	Services Inc		
Project Owner:	Patrick Flynn			BU Type:	SP
Project Manager:	Mike Wilson			Budget Owner / RVP:	John Hoy
Start Date:	3/15/2016	Q1 2016		Region: State:	Florida
Estimated End Date:	12/30/2016	Q4 2016		State.	FL.
Project Type:	EH&S Cor	mpliance			
Will project replace/retin	re any assets:	Yes			
Previously Requested:	1 \$220.000				
This Request:	\$230,000				
Still to be Requested: Total Project Budget:	\$230,000				
nis project will replace 525LF o oject will also replace 190LF o	of existing 8" gravity r				
escription: his project will replace 525LF of oject will also replace 190LF of art of the FDOT US 19 road will he project budget also include hd rehabilitation of the facilities	of existing 8" gravity r idening project. s the engineering des	main to include 1 e	each - 4' diamter doghoi	use manhole. Both lines w	ill be replaced as
his project will replace 525LF of oject will also replace 190LF of art of the FDOT US 19 road with the project budget also include and rehabilitation of the facilities meline Considerations: the force main relocation can be pordination and possibly under oject.	of existing 8" gravity r idening project. s the engineering des s.	tely. The open cut	each - 4' diamter doghoi d construction oversigh of the 8" cast iron gravi o possible lane closure	use manhole. Both lines w t activities in support of th ty main will require constr	ill be replaced as e construction uction in bad widening
nis project will replace 525LF o oject will also replace 190LF o art of the FDOT US 19 road wi he project budget also include ad rehabilitation of the facilities meline Considerations: ne force main relocation can b pordination and possibly under	of existing 8" gravity r idening project. s the engineering des s.	tely. The open cut	each - 4' diamter doghoi d construction oversigh	use manhole. Both lines w t activities in support of th ty main will require constr	ill be replaced as e construction



### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

This project is being scheduled in coordination with the widening of US19/SR19 from it's current 8 lanes to 10 lanes (major highway). This project will allow the utility to relocate an existing 6" force main by redirecting the flow from Lift Station #4 (Macaroni Grill) across US 19 south of the lift station, then discharge into another gravity artery that flows into the Mid-County WWTP. The current force main drops into a gravity manhole located about 1,200LF north of the lift station and in front of the Riviera MHP. Flow crosses US19/SR19 through an 8" cast iron pipe that is so tuberculated that it restricts flow during major rain events resulting in SSO's at that manhole. By redirecting the force main flow away from this manhole through an alternate path, the risk of future SSO's is significantly reduced. This project will also provide the opportunity to address the existing 8" gravity line crossing under US19/SR19 by lining with CIPP after removal of the tuberculation or by using pipe bursting methods. We are still evaluating the most cost effective way to address the gravity main.

The costs presented are the engineer's estimate of the GSM remediation and bids received for the FM relocation. This project is needed to reduce the SSO's generated by the tuberculated cast iron gravity main and in conjunction with the FDOT road project that will require relocation of our existing facilities due to conflicts with the road improvement project's design that includes storm conveyance, sidewalks, frontage roads, and flyover components.

#### **Risk Evaluation**

The utility has reviewed this project with the engineer to determine the optimum solution that addresses the following attributes and limitations posed by the highway project: constructability; long-term access to the facilities for maintenance and repair; hydraulic capacity of the collection system; peak and average day flow conditions; and the frequency of SSO's.

#### Alternatives Considered:

We are still in the process of determining the optimum solution for the rehabilitation of the gravity main crossing under the highway. We are evaluating pipe bursting, open cut construction, chain cleaning, and cured in place piping (CIPP). The current engineering estimate is the worst case scenario.

Technical Review Summary:



**Financial and Regulatory Implications** 

Capital Plan	Yr1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	230,000			_		
Project Spend in Current Plan	230,000					
Variance	-	-		-	14	11 P P P P P P P
CIAC Collected	000.000	020.000	220.000	220.000	220 000	(if applicable)
Net Rate Base	230,000	230,000	230,000	230,000	230,000	
O&M Cost Impact B/(W)		1	1			
	1.1.2.2				AL STAT	
Financial Justification			10000	and the second	A second second	
			Samuel	Pate Barras		
Estimated Povenue Impactor	Customer	r		Rate Payers		
Estimated Revenue Impact pe Number of Customers Impact			(4)	(4) 5,622		
Number of Customers impact	ieu.		5,022	0,022		
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)			-	н.	-	-
Depreciation Impact on EBIT B/	(W)		(5,750)	(5,750)	(5,750)	(5,750)
Under-recovery on capital B/(W)	)		(16,819)	(16,388)	(15,956)	(15,525)
Net EBIT Impact B/(W)	L		(22,569)	(22,138)	(21,706)	(21,275)
Timing and Supporting Inform	ation on Pata	Recovery				
This project is currently in our Pr			coming LIF Ju	ly 2016 rate o	ase	
	ta					
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications				1		
Regulatory Plan Implications				1		
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications Assumptions						



## BID INFORMATION AND BUDGET BREAKDOWN

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company			Amount	Selected
1	Rowland Inc.			\$127,650	No
2	Kamminga & Roody	oets, Inc.		\$122,900	No
3	Environmental Equi	pment Sales, Inc.		\$87,357	Yes
Component:		Amount			
/alue Bid Elements		87.357.00			
Engineering		27,954.00			
Direct Purchase of Parts /	Materials				
andscaping / Site Restor	ration				
Other Components (speci	ify):				
Cap Time					
525LF of 6" Force Main (r	eferenced above)				
190FL of 8" Gravity Main		98,841.00			
Preliminary engineering e	valuation (CPH Eng)	11,000.00			
Contingency		4,848.00			
Total Project Budget		230,000.00			
Object Account(s) to	which project will be clo	osed:	1345	Sewer Force M	
			1350	Sewer Gravity	
				select from dro	
				select from dro	
				select from dro Go to Refe	
				GO TO KETE	rence List
General Comments:					

Utilities, Inc. A

Approvals

Technical Peer Review Review Sponsored by	Patrick C. Flynn	Date Held	3/10/2016	
Approval to proceed Comments (note if feedback rece	Yes V No vincorporated)			
Reconcile the budget amount info			get amount and but	iget breakdown.
FP&A Review Review Completed by Does Project comply with current	Christie Kincaid t Utility Rate and Regulatory P	Date: lan? Ye	3/15/2016 s	
Comments The Budget amount in the Finance	cial tab is reconciled to the am	ount in the Bid	&Budget tab.	
Approvals				Applicable?
Regional Manager:	Michael Wilson	Date:	3/14/2016	
VP Operations:	Patrick C. Flynn	Date:	3/14/2016	
President:	John P. Hoy	Date:	3/15/2015	
Approval or Re-Direction Com				
8/8/16: Description, Justification, bids for the FM relocation work a				ect receipt of
				-

#### BID TABULATION FOR US-19 UTILITY RELOCATIONS

BID TABULATION			1 Kamminga & Roodvoets, Inc. 5219 Cone Road Tampa, FL 33610	2 Rowland, Inc. 6855 102 <sup>nd</sup> Ave N Pinellas Park, FL 33782	3 Environmental Equipment Sales, Inc. P.O. Box 2459 Riverview, FL 33568	
ITEM	DESCRIPTION	EST. QTY.	U/M	TOTAL BID PRICE	TOTAL BID PRICE	TOTAL BID PRICE
1	Mobilization (10%)	1	LS	\$ 18,000.00	\$ 9,050.00	\$ 8,735.00
2	Maintenance of Traffic	1	LS	\$ 2,500.00	S 28,500.00	\$ 4,900.00
3	Erosion and Sediment Control	1	LS	\$ 2,000.00	\$ 3,600.00	\$ 2,200.00
4	Miscellaneous Work and Clean Up	1	LS	\$ 19,500.00	S 3,400.00	\$ 4,900.00
5	6" PVC DR 18 (Durect Bury) Including Excavation, Restraints, Fittings, Dewatering	1	LS	\$ 28,000.00	S 19,400.00	\$ 9,000.00
6	8" DR 11 HDPE (HDD) Including Excavation, Restraints, Fittings, Dewatering	1	LS	\$ 15,000.00	\$ 19,500.00	\$ 29,122.00
7	Force Main Connection and Lift Station Shutdown	1	LS	S 5,600.00	\$ 7,300.00	\$ 3,900.00
8	Manhole Connection	ĩ	LS	\$ 11,500.00	S 7,850.00	\$ 3,500.00
9	Pipe Adapters (HDPE to PVC)	1	LS	S 300.00	\$ 600.00	\$ 1,500.00
10	Asphalt Repair (Base and Resurface)	1	LS	\$ 12,000.00	\$ 16,150.00	\$ 8,900.00
11	Restoration	1	LS	S 8,500.00	\$ 12,300.00	\$ 10,700.00
	TOTAL LUMP SUM PRICE PRICE (BASI	E BID)		\$ 122,900.00	\$ 127,650.00	\$ 87,357.00

## SECTION 00410

## **BID FORM**

## PART 1 GENERAL

1.1 Description

Utilities Inc - Mid County

of Florida, hereafter called the Owner. This Bld is submitted by (3) Environmental Equipment Sales, Inc. PO Box 2459, Riverview, FL 33568.

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

## 1.2 The Undersigned:

- A. Acknowledges receipt of:
  - Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number Number Number Number		Dated <u>7-18-16 ↔ 7-</u> 2c-16 Dated Dated
		Number	0	Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - To accomplish the work in accordance with the Contract Documents.

- 5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 120 calendar days of the date of the Notice to Proceed.
- 6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

## 1.3 Lump Sum Price

\_\_\_\_The undersigned will construct this project for the Base Bid Lump Sum Price of \$ Eighty - Seven Thousand Three Hundred Fifty-Seven Dollars (\$ 87,357.00).

## 1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization (10%)	LS	1	8,735.00
Maintenance of Traffic	LS	1	4,900.00
Erosion and Sediment Control	LS	1	2,200.00
Miscellaneous Work and Clean Up	LS	1	4,900.00
6" PVC DR 18 (Direct Bury) Including Excavation, Restraints, Fittings, Dewatering	LS	1	9,000.00
8" DR 11 HDPE (HDD) Including Excavation, Restraints, Fittings, Dewatering	LS	1	29,122.00
Force Main Connection and Lift Station Shutdown	LS	1	3,900.00
Manhole Connection	LS	1	3,500.00
Pipe Adapters (HDPE to PVC)	LS	1	1,500.00
Asphalt Repair (Base and Resurface)	LS	1	8,900,00
Restoration	LS	1	10,700.00
TOTAL LUMP SUM PRICE (BAS	E BID)		\$ 87,357.00

## SECTION 00410

## **BID FORM**

## PART 1 GENERAL

## 1.1 Description

of	The following Bid, for the (1) (15.19 Utility Relocations, is here Horida, hereafter called the Owner. This Bid is submitted by (3) kammin S218 Cone R1 Tence F1 33(10)	by made to (2) Utilities, Inc.
	<u>5219 Cone Rd. Tampo FL 33610</u> Phone- 813-623-3031	
	Phone- 813-623-3031	

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

(3) Name, address, and telephone number of Bidder

## 1.2 The Undersigned:

- A. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	#1	Dated 7-18-16: 7-20-16
		Number		Dated
		Number		Dated
		Number		Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - 2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - 3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - 4. To accomplish the work in accordance with the Contract Documents.

- 5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 120 calendar days of the date of the Notice to Proceed.
- 6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

## 1.3 Lump Sum Price

## 1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization (10%)	LS	1	18,000.00
Maintenance of Traffic	LS	1	2,500.00
Erosion and Sediment Control	LS	1	2,000.00
Miscellaneous Work and Clean Up	LS	1	19,500.00
6" PVC DR 18 (Direct Bury) Including Excavation, Restraints, Fittings, Dewatering	LS	1	28,000.00
8" DR 11 HDPE (HDD) Including Excavation, Restraints, Fittings, Dewatering	LS	1	
Force Main Connection and Lift Station Shutdown	LS	1	15,000.00 5,600.00 11,500.00
Manhole Connection	LS	1	11.500.00
Pipe Adapters (HDPE to PVC)	LS	1	300.00
Asphalt Repair (Base and Resurface)	LS	1	
Restoration	LS	1	12,000.00 8,500.00
TOTAL LUMP SUM PRICE (BA	SE BID)		\$ 122,900.00

## 00410-2

## SECTION 00410

## **BID FORM**

### PART 1 GENERAL

#### 1.1 Description

The following Bid, for the (1) US-19 Utility Relocations	_, is hereby made to (2) Utilities
Inc, hereafter called the Owner. This Bid is submitted by (3) Rowland Inc, (727) 545-3815	
Rowland Inc, (727) 545-3815	
6855 102nd. Ave. N.	
Pinellas Park FL. 33782	

(1) Name of Project as shown in the Invitation for Bids

15

(2) Owner (3) Name, address, and telephone number of Bidder

#### 1.2 The Undersigned:

- Α. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number Number	 Dated	
		Number Number	 Dated	

Has examined the site and all Bidding Documents and understands that in Β. submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

#### C. Agrees:

- 1. To hold this Bid open for 90 calendar days after the bid opening date.
- 2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
- 3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
- 4. To accomplish the work in accordance with the Contract Documents.

#### 00410-1

- 5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 120 calendar days of the date of the Notice to Proceed.
- 6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

## 1.3 Lump Sum Price

 The undersigned will construct this project for the Base Bid Lump Sum Price of \$One Hundred

 Twenty Seven Thousand, Six Hundred Fifty

 Dollars (\$127,650.00)

## 1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization (10%)	LS	1	\$9,050.00
Maintenance of Traffic	LS	1	\$28,500.00
Erosion and Sediment Control	LS	1	\$3,600.00
Miscellaneous Work and Clean Up	LS	1	\$3,400.00
6" PVC DR 18 (Direct Bury) Including Excavation, Restraints, Fittings, Dewatering	LS	1	\$19,400.00
8" DR 11 HDPE (HDD) Including Excavation, Restraints, Fittings, Dewatering	LS	1	\$19,500.00
Force Main Connection and Lift Station Shutdown	LS	1	\$7,300.00
Manhole Connection	LS	1	\$7,850.00
Pipe Adapters (HDPE to PVC)	LS	1	\$600.00
Asphalt Repair (Base and Resurface)	LS	1	\$16,150.00
Restoration	LS	1	\$12,300.00
TOTAL LUMP SUM PRICE (BA	\$ 127,650.00		

00410-2

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-21**

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida8



New Project Number =>

Requested by: \_\_\_\_\_ Date Requested: \_\_\_\_\_ Michael Wilson 7/22/2011

Capital Project Add/Change Form

		Character Count	
Company	256 - Utilities Inc of Sandalhaven	Co#	2
Business Unit	256100 - Util Inc of Sandalhaven	Co #	2
Project Owner	Michael Wilson		
	Michael Wilson		
	10/17/2011		
	A REAL PROPERTY AND A REAL		
and the second			
	Other		
where it is an approximation of the second second	No. of Accession of		
stimated Total Project Budget	\$225,000		
Justifications & Benefits equired relocation of utilities in co	nflict with county road improvement project.		
	inflict with county road improvement project.		
	inflict with county road improvement project.		
	inflict with county road improvement project.		
	nflict with county road improvement project.		
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	inflict with county road improvement project.		
	nflict with county road improvement project.		
equired relocation of utilities in co Bids Collected / Alternatives Cons		nstruction costs.	
	djustments in County ROW is required this road widening project. The a farch/April). The county is schedu 11 according to the project engine ugust 2016: Charlotte County staff aprovements will be let soon (estin	Project Manager       Michael Wilson         Project Start Date       10/17/2011         Estimated Project End Date       12/31/2017         Budget Owner/RVP       BU Type         BU Type       Region         State       Other         Project Type       Other         oject replace/retire any assets?       yes         stimated Total Project Budget       \$225,000         Description       ue to the widening of County Rd. 775 (Placida Rd.) Relocation of approximately 22 Ijustments in County ROW is required. Engineering/design and bid process is required. Engineering/design and bid process is required. In according to the project engineer.         ugust 2016: Charlotte County staff have indicated to the utility that the contract for	Project Manager Michael Wilson Project Start Date 10/17/2011 Estimated Project End Date 12/31/2017 Budget Owner/RVP BU Type Region State Project Type Other oject replace/retire any assets? yes stimated Total Project Budget \$225,000 Description ue to the widening of County Rd. 775 (Placida Rd.) Relocation of approximately 22 conflicts and 6 valve Bjustments in County ROW is required. Engineering/design and bid process is required to meet the deadlines this road widening project. The actual road widening construction is scheduled to start in early 2012 tarch/April). The county is scheduling their relocations for thier utilities for late October or early November 111 according to the project engineer. ugust 2016: Charlotte County staff have indicated to the utility that the contract for the drainage provements will be let soon (estimated 4Q16), which will require the utility to relocate segments of FM that

# Kimley »Horn

March 21, 2016

Mike Wilson Utilities Inc. of Florida aka Utilities Inc. of Florida – Sandalhaven 200 Weathersfield Avenue Altamonte Springs, FL 32714

Re: Professional Services Agreement for Placida Road Force Main Relocations Charlotte County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to <u>Utilities Inc. of Florida ("Client")</u> for completing the design and construction oversight services for Placida Road Force Main Relocations.

## Project Understanding

Charlotte County and their engineer are in the process of finalizing their design to modify the drainage and add sidewalks along Placida Road, through the Utilities Inc. of Florida – Sandalhaven (UIF – Sandalhaven) service area. The project was previously designed to the 90% completion level; however, the drainage design has changed requiring the plans (done by others) to be updated to accurately reflect the proposed improvements throughout the corridor. The drainage improvements along the eastern right-of-way of Placida Road are affecting the existing 4-inch, 6-inch, and 12-inch force mains owned and operated by UIF – Sandalhaven. There are segments of the force main that are required to be relocated do to conflicts with the proposed stormwater system or the loss of cover caused by new swales. Combined approximately 2,300 LF of force mains are required to be relocated; 500 LF of 4-inch, 1,600 LF of 6-inch, and 200 LF of 12-inch, including adjustments of 3 air release valves. Based on review of the available information, the opinion of probable construction cost is approximately \$250,000, which includes a 20% contingency.

## Scope of Services

## Task 1: Preparation of Construction Documents

- The Consultant will obtain the updated AutoCAD files from the County's engineer to be incorporated into new UIF – Sandlahaven Force Main Relocation Plans. The AutoCAD files will be used to develop the updated construction plans, to maintain a similar base survey and stationing. The construction plans will be prepared on 11"x17" plans. The construction plans will include plan and profiles views of the proposed force main relocations, details, and project specific notes.
- The Consultant will redesign the force main relocations for the areas where the drainage design has changed. Approximately 2,300 linear feet of force main will have to be redesigned based on the changes drainage improvements.
- The Consultant will prepare and submit 90% construction plans and specifications to the Client for review and comment. The 90% submittal will include an opinion of probable construction cost. Two (2) copies of 11"x17" plans and one electronic pdf version will be

# Kimley » Horn

provided for review.

 Following review and comment from the Client, the Consultant will meet with the Client in the field to review and discuss. Following the review meeting the Consultant will revised the plans as necessary and bring to the 100% level. Two (2) pdf copies of the 100% submittal, plans specifications, and opinion of probable cost will be submitted to the client.

## **Opinion of Probable Cost Disclaimer**

Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

## Task 2: Permitting

- The Consultant will assist the Client in applying for the FDEP General Permit. The
  assistance will consist of completing and submitting forms to FDEP, but does not include
  studies research, or meetings with the agency not normally required for this type of project.
  The Consultant makes no warranty that regulatory agencies will issue the permits or
  approvals required for the project.
- FDEP Permit application fees are included as part of this task.
- The Consultant will provide the Contractor two (2) signed and sealed sets of construction
  plans for their Charlotte County right-of-way submittal. It shall be the Contractors
  responsibility to handle all coordination with Charlotte County. The Consultant will address
  up to two (2) rounds of comments from the County.

## Task 3: Bidding and Construction Oversight

- CONSULTANT will prepare bid packages consisting of plans, permits, and specifications and will provide bid packages up to five (5) pre-selected contractors.
- Consultant will administer distribution of the bid packages and maintain a log of the issued bid packages.
- Consultant will respond to reasonable Requests for Information (RFIs) and prepare bid addenda as required.
- Consultant will review bid responses, tabulate results, and will provide the Client with a written bid tabulation record along with a selection recommendation.
- Consultant will conduct one (1) pre-construction meeting onsite and prepare meeting minutes.
- · Consultant will review required shop drawings in accordance with the Clients standards.
- Consultant will provide conduct four (4) project site visits at appropriate stages of work to
  observe the progress of the work and report observations to the Client.

## Kimley »Horn

March 21, 2016

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# Kimley » Horn

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- Consultant will provide conduct four (4) project site visits at appropriate stages of work to
  observe the progress of the work and report observations to the Client.

# Kimley **Horn**

- Consultant will prepare and furnish a final set of reproducible record drawings from the surveyed as-builts provided by the Contractor. The record drawings will be updated to the GIS standards currently being developed for UIF's Florida Region.
- Consultant will prepare final certification packages for FDEP.

#### Services Not Included

Any other services, including but not limited to the following, are not included in this Agreement:

- Survey
- Environmental
- Geotechnical
- Structural
- Public Involvement

#### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

#### **Responsibilities of Client**

In addition to other responsibilities set out in this Agreement, the Client shall provide access to the site.

### Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 3 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1	Construction Plans and Specifications		\$7,324.00
Task 2	Permitting (Includes \$500 Fee)		\$2,989.00
Task 3	Bidding and Construction Services	8	\$8,856.00
Total Lu	ump Sum Fee		\$19,244.00

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

#### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc. of Florida.

Kimley-Horn, in an effort to expedite invoices and reduce paper waste, submits invoices via email in an Adobe PDF format. We can also provide a paper copy via regular mail if requested. Include July 22, 2011

Mr. Mike Wilson Regional Manager Utilities Inc., of Sandalhaven 200 Weathersfield Ave. Altamonte Springs, FL 32714

### RE: Placida Road (CR-775) Force Main Relocation Proposal

Dear Mr. Wilson:

Thank you for the opportunity to present this proposal for the relocations associated with the force mains along CR-775. The County is planning on widening Placida Road from Rotonda Boulevard to just south of Cape Haze Drive. From my discussions with County staff they are currently in the right of way acquisition process and are intending on going out to bid and beginning construction within 6-9 months. Based on our preliminary engineering evaluation, which includes the data from the subsurface utility engineering, sixteen (16) conflicts have been identified as part of the roadway improvements project. In addition these conflicts, there are several ARV's that are recommended to be relocated outside of the proposed edge of pavement.

#### Scope of Services

We have reviewed the design plans for the Placida Road widening and made a preliminary evaluation of the impacts to your existing facilities in the County right of way. We cross referenced the plan sheets with the cross sections and the storm structure sheets, along with the record drawings for the Master Pump Station and associated 12-inch force main to determine where the relocations of your force mains would be necessary.

Based on our review, there appears to be vertical conflicts with the existing 4-inch, 6-inch, and 12-inch force mains. A majority of the conflicts occur at storm crossings. There are some conflicts between the existing force mains and new storm structures, FDEP does not have separation requirements between force mains and storm pipe/structures; however, for construction purposes, it is our recommendation to provide between 12-18-inches separation. Therefore, our engineering evaluation incorporated this separation into our analysis. Since this is a roadway project, it is also recommended to have the contractor identify and survey every crossing as part of his relocation work, to ensure that pipe elevations are known and does not crate any unexpected delays during the roadway improvements project.

Plans for these relocations will be developed using the County road widening plans, by converting their Microstation files into AutoCAD files, and using these as the base. The relocation plans will be prepared on 11x17 sheets. This scope of services includes generating the RGB's (red, green brown markups requested by the County's engineers), plans, specifications, and bidding services. The preparation of the necessary FDEP and County permits are also included in this scope, along with any coordination with these entities. This scope of services does include limited construction administration and inspection, certification, as-builts, and the preparation of clearance documents for the FDEP.

Permit fees, such as FDEP and County right-of-way are not included in this scope of services.

Surveying, geotechnical, and environmental services are not included in this scope of services.

#### Payment

Compensation paid Engineer for services described herein and rendered by principals and employees assigned to the project are computed by multiplying Standard Classification Billing Rates for all classifications of employees directly engaged on the project, times the number of hours worked on the project.

The engineering design and construction administration fee for the services, described herein is estimated to be \$29,000.00, including out-of-pocket expenses, without increase. This fee includes converting the roadway engineers Microstation files to AutoCAD, and incorporating the previously design 21-inch force main into these drawings. Based on our past experience with utility relocation projects, this is the most efficient and cost effective way to generate construction plans. Also included in our scope is the preparation of the RGB's, construction plans, permitting, specifications, and bidding services. CPH will provide limited construction administration services that include two (2) site visits, clearances, and preparation of record drawings.

A 10% markup will be applied to subconsultant services coordinated through CPH. Out-of-pocket expenses and subconsultant costs will be specifically identified in periodic invoicing, and include such items as transportation and subsistence of principals and employees when traveling in connection with the project, toll telephone calls, photocopies, blueprints and plots, etc. Invoices will be submitted periodically, indicating the hours expended during that billing cycle.

Progress invoices will be submitted based on the Engineer's estimate of the percent of work complete at the time of invoicing.

Expenses for items not specifically valued herein are to be reimbursed to the engineer at the actual cost thereof. Said expenses shall include transportation and subsistence of principals and employees, when traveling in connection with the Project, toll telephone calls, and similar project related items.

Charges for the services rendered by principals and employees as witnesses in any litigation, hearing or proceeding in accordance with this Contract will be computed at a rate of S600 per day or any portion thereof.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us.

### Terms and Agreement

The Terms and Agreement (Exhibit A - attached) made part of this contract shall apply for the professional services outlined above.

If you have any questions, please do not hesitate to call me at 321-299-2395.

Thank you.

Sincerely, CPH ENGINEERS, INC.

W. Wade Wood, P.E. Project Manager

ACCEPTED BY: Utilities Inc., of Florida ZHAVEN

# Invoice

Fee



CPH Engineers, Inc. P.O. Box 2808 Sanford, FL 32772-2808 Phone: 407.322.6841 Fax: 407.330.0639

Mike Wilson Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

November 1, 2011 Project No: U07701 Invoice No: 78157

## Engineering Services for Placida Road (CR 775) Force Main Relocation <u>Professional Services through October 16, 2011</u>

Total Fee	29,000.00			
Percent Complete	25.8621	Total Earned	7,500.01	
		Previous Fee Billing	5,000.01	
		Current Fee Billing	2,500.00	
		Total Fee		2,500.00
		Total this In	voice	\$2,500.00

## **Outstanding Invoices**

Number	Date	Balance
77784	10/03/11	2,000.02
Total		2,000.02

Services provided this period include:

Coordination with roadway engineer to receive plans and development of utility relocation plans.

CPH Engineers, Inc.

Pr# 97147 But 256100

RECEIVED

# Invoice

Fee



CPH Engineers, Inc. P.O. Box 2808 Sanford, FL 32772-2808 Phone: 407.322.6841 Fax: 407.330.0639

Mike Wilson Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

October 3, 2011 Project No: U07701 Invoice No: 77784

## Engineering Services for Placida Road (CR 775) Force Main Relocation Professional Services through September 18, 2011

		Total this In	voice	\$2,000.02
		Total Fee		2,000.02
		Current Fee Billing	2,000.02	
		Previous Fee Billing	2,999.99	
Percent Complete	17.2414	Total Earned	5,000.01	
Total Fee	29,000.00			

Services provided this period include:

Ccordination with roadway engineer to receive plans and development of utility relocation plans.

CPH Engineers, Inc.

Q0# 97147 Bu# 25600

RECEIVED OCT 0 6 2011

97147

## UTILITIES INC. OF SANDALHAVEN PLACIDA ROAD FORCE MAIN RELOCATIONS OPINION OF PROBABLE CONSTRUCTION COST

Item Description	Quantity	Unit	Unit Cost	Total Cost
General Requirements				
Mobilization	1	LS	\$13,475.00	\$13,475.00
Maintenance of Traffic	1	· LS	\$5,862.50	\$5,862.50
Force Main Relocations				
4-Inch PVC Force Main	410	LF	\$25.00	\$10,250.00
6-Inch PVC Force Main	1850	LF	\$35.00	\$64,750.00
6-Inch HDPE Force Main	325	LF	\$60.00	\$19,500.00
Lower Existing 12-Inch HDPE Force Main	180	LF	\$40.00	\$7,200.00
4-Inch Plug Valve	3	EA	\$1,850.00	\$5,550.00
6-Inch Plug Valve	2	EA	\$2,250.00	\$4,500.00
4-Inch Tapping Sleeve & Valve	1	EA	\$5,500.00	\$5,500.00
Valve Box Adjustment	5	EA	\$1,500.00	\$7,500.00
Restoration	1	LS	\$10,000.00	\$10,000.00
			Total	\$154,087.50
			Contingency	\$20,000.00
			Project Total	\$174,087.50

# Invoice



CPH Engineers, Inc. P.O. Box 2808 Sanford, FL 32772-2808 Phone: 407.322.6841 Fax: 407.330.0639

Mike Wilson				April 11, 2012		
Utilities, Inc.				Project No:	U07701	
200 Weathersf	ield Avenue			Invoice No:	80120	
Altamonte Spri	ngs, FL 32714					
Engineering Se	ervices for Placida Road (	CR 775) Force	Main Relocation			
Professional S	Services through March	18, 2012				
Fee						
Total Fee		29,000.00				
Percent Co	omplete	83.00	Total Earned		24,070.00	
			Previous Fee Billing		23,200.00	
			Current Fee Billing		870.00	
			Total Fee			870.00
				Total this Inv	oice	\$870.00
<u></u>						
Outstanding I						
	Number	Date	Balance			
	78940	1/6/2012	8,502.19			0
	Total		8,502.19		st. is	1217
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Services provid	led this period include:			4		100
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Design					ut di	56100
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<b>CPH Engineers</b>	s, Inc.	1/10/1	1 Peran			
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RECEIVED APR 1 7 2012

## Invoice



CPH Engineers, Inc. P.O. Box 2808 Sanford, FL 32772-2808 Phone: 407.322.6841 Fax: 407.330.0639

Mike Wilson			August 08, 20	12	
Utilities, Inc.			Project No:	U07701	
200 Weathersfield Avenue			Invoice No:	81331	
Altamonte Springs, FL 32714					
Engineering Services for Placida F	Road (CR 775) Force	Main Relocation			
Professional Services through.					
Fee					
Total Fee	29,000.00				
Percent Complete	100.00	Total Earned		29,000.00	
		Previous Fee Billing		27,069.99	
		Current Fee Billing		1,930.01	
		Total Fee			1,930.01
			Total this In	voice	\$1,930.01

light hand

CPH Engineers, Inc.

Po# 114999 But 256100 m 9/20/13

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Application for increase in water and)wastewater rates in Charlotte, Highlands,)Lake, Lee, Marion, Orange, Pasco, Pinellas,)Polk, and Seminole Counties by Utilities, Inc.)of Florida.)

Docket No. 160101-WS

## EXHIBIT PCF-30

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida8



### ADD-CHANGE FORM

New Project or Budget Change?		New	Project	Assigned Project	#: 2016058
Requested by:	Bryan K. Gong Project Manager / A	Contract and the second s		Date	: 4/12/2016
Project Name:	Wekiva WWT	F Rehab			
Company:	255	Sanlando	Utilities Corp		
Business Unit:	255101	Sanlando	Utilities Corp S		
Project Owner:	Bryan K. Gong	re		BU Type:	SP
Project Manager:	Bryan K. Gong	re		Budget Owner / RVP:	John Hoy
Start Date:	4/18/2016	Q2 2016		Region:	Florida
Estimated End Date:	6/30/2017	Q2 2017		State:	FL
Project Type:	EH&S Cor	mpliance			
Will project replace/retir	e any assets:	Yes			
Previously Requested:		1.0.0			
This Request:	\$1,802,790				
npty, clean and completely rel clude the replacement of two th air lift pipe assemblies, scu graded steel supports, chann iminum rails including toe pla	clarifier drives, all 2.5 m troughs with 304S els, I-beams and othe tes where necessary	5" diffusers and S materials, ner er corroded stru	drop pipe assemblies v w skimmer arm asseml uctural elements, lightin	with 304SS materials, WAS blies, splash plates, replacer ig, replacement of steel guar	and RAS boxes ment of all rd rails with
	habilitate each of the clarifier drives, all 2.5 m troughs with 304S els, I-beams and othe tes where necessary	5" diffusers and S materials, ner er corroded stru	drop pipe assemblies v w skimmer arm asseml uctural elements, lightin	with 304SS materials, WAS blies, splash plates, replacer ig, replacement of steel guar	and RAS boxes ment of all rd rails with
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Total Project Budget: escription: npty, clean and completely rel- clude the replacement of two of th air lift pipe assemblies, scu graded steel supports, chann iminum rails including toe plat Is epoxy and disposal of all us meline Considerations: using the recent operating per- tis pending and included in the is rehab project of all three tree	habilitate each of the clarifier drives, all 2.5 m troughs with 304S els, I-beams and oth tes where necessary sed piping. mit renewal FDEP po e Capital Plan. Under eatment trains will ne	" diffusers and S materials, never er corroded stru- , sandblast and sinted out areas a separate proj	drop pipe assemblies v w skimmer arm asseml actural elements, lightin paint interior with 16 m of the plant that need t ject, the Shadow Hills p	with 304SS materials, WAS a blies, splash plates, replacen g, replacement of steel guar ills of coal tar epoxy, exterior of coal tar epoxy, exterior	and RAS boxes ment of all rd rails with r painting with 5 sed that the work the Wekiva plant.



### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Wekiva WWTF is comprised of three (3) circular wastewater treatment trains that are rated at a combined 2.9 MGD. Each of the three plants have been in service for over twenty years without any comprehensive rehab work being performed. There are two baffle walls separating air bays from aerobic digesters that have become significantly deteriorated and are flexing under the hydrostatic pressure of the contents and are of concern. Repairing the baffle walls will prevent catastrophic failure and maintain the integrity of the structure. Debris in the way of sand, grit and rags have accummulated throughout each plant's airbays reducing the overall treatment efficiency. By removing the debris additional treatment capacity will be reestablished in the airbays and thus return each plant to its original design specifications. Thereafter, the diversion of flow from the Shadow Hills WWTF will occur without causing the plant effluent quality to degrade. Many areas near walk ways are significantly deteriorated and lighting atop each plant is inadequate creating a potential safety hazard. When diffusers fail, the replacement drop pipe must be shortened by two to three feet before they can be reinstalled due to the mass of grit and sand that has accumulated on the bottom of the tanks. he existing clarifier drives on two of the plants are past the end of their service life and repair parts are no longer available. By replacing the drives, future maintenance and repair activities can be performed in quickly and efficiently.

#### **Risk Evaluation**

It is critical that the three treatment trains are operating as designed in a routine, reliable manner in order to maximize the production of reclaimed water. Effluent that fails to meet reclaimed water limits is either discharged to on-site percolation ponds for short intervals or discharged to Sweetwater Creek after completing advanced treatment to meet stringent nutrient limits.

#### Alternatives Considered:

Doing nothing will ultimately lead to failure of several plant components possibly affecting the structural integrity and the treament process itself.

This type of project must be undertaken from time to time at most wastewater facilities depending upon the amount of use, weather conditions over time and type of facility. In this instance, run to fail is not an option.

#### **Technical Review Summary:**

CPRT review conducted on 4/14/16. Comment received regarding the need to evalute interior coating options. Stated that the same protocols used to rehabilitate the Lake Groves South WWTF would be used on this project.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	901,395	901,395				
Project Spend in Current Plan	901,395	901,395				
Variance			-		T Ball	
CIAC Collected		1 000 000	1000 700	1 000 700	1 000 000	(if applicable)
Net Rate Base	901,395	1,802,790	1,802,790	1,802,790	1,802,790	
O&M Cost Impact B/(W)	1	[	1			
Financial Justification						
		-	Served	Rate Payers		
Estimated Revenue Impact per		-	(17.58)	(17.58)		
Number of Customers Impacte	30:	L	11,152	11,152		
		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Utility Financial Impact						
Utility Financial Impact O&M Impact on EBITDA B/(W)	Г	- 1	-	-	- 1	-
	v) F			- (90,140)		- (90,140)
O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W)	v) [	-	-		-	
O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W	v)	- (22,535)	- (67,605)	(90,140)	- (90,140)	(90,140)
O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W Under-recovery on capital B/(W) Net EBIT Impact B/(W)	Ē	- (22,535) (16,479) (39,014)	- (67,605) (128,449)	(90,140) (121,688)	- (90,140) (114,928)	(90,140) (108,167)
O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W Under-recovery on capital B/(W) Net EBIT Impact B/(W) <b>Timing and Supporting Informa</b> This is a pro-forma project to be ir	tion on Rate Re	(22,535) (16,479) (39,014) ecovery	(67,605) (128,449) (196,053) rate case and is	(90,140) (121,688) (211,828) a component of	- (90,140) (114,928) (205,067) the Capital Plan	(90,140) (108,167) (198,307)
O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W Under-recovery on capital B/(W) Net EBIT Impact B/(W) Timing and Supporting Informa	tion on Rate Rencluded in the 20 ing with Plant #2.	- (22,535) (16,479) (39,014) ecovery 116 consolidated . Once a treatme	- (67,605) (128,449) (196,053) (196,053) rate case and is ent train is taken	(90,140) (121,688) (211,828) a component of out of service, th	- (90,140) (114,928) (205,067) the Capital Plan	(90,140) (108,167) (198,307)
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O&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(W Under-recovery on capital B/(W) Net EBIT Impact B/(W) Timing and Supporting Informa This is a pro-forma project to be ir rehabilitated one at a time beginni an elevated flow. Consequently, th	tion on Rate Rencluded in the 20 ing with Plant #2.	- (22,535) (16,479) (39,014) ecovery 116 consolidated . Once a treatme	- (67,605) (128,449) (196,053) (196,053) rate case and is ent train is taken	(90,140) (121,688) (211,828) a component of out of service, th	- (90,140) (114,928) (205,067) the Capital Plan	(90,140) (108,167) (198,307)
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Bid	Company			Amount	Selected
1	Evoqua			\$1,526,000	Yes
2	ECO-2000			\$1,704,000	No
3	FEC			\$1,695,555	No
Component:		Amount			
/alue Bid Elements Engineering Direct Purchase of Parts / M	Materials	1,526,000.00			
andscaping / Site Restora Other Components (specify Cap Time					
Remove Debris/Clean/Pres	sure Wash Interior	158,850.00			
7% Tax	sure wash menor	117,940.00			
Fotal Project Budget		1,802,790.00	ould match Tota		
Object Account(s) to w	hich project will be cl	losed:	1300	Struct/Imprv Tre select from dro select from dro select from dro	pdown list pdown list pdown list
					ndown liet
				select from drop	
General Comments:				Go to Refer	

Utilities, Inc.

Approvals

Daview Completed by	Nata Conver	Data	4/21/2016	
Review Completed by Does project align with utility	Nate Carver plan and meet technical require	Date: ements? Ye	4/21/2016	
Comments	plan and moor tool mour requir	onionio		
This project aligns with the As	sset Management Plan and me	eets UI technical re	equirements.	
Technical Peer Review				
Review Sponsored by Approval to proceed	Patrick C. Flynn Yes 🗹 No 🔲	Date Held	4/14/2016	
	received in review incorporated	d)		
Utilize the technical assistant protective coating system.	e offered by Tnemec and/or S	herwin Williams re	epresentatives reg	arding the
protective coating system.				
FP&A Review				
Review Completed by	Christie Kincaid	Date:	4/27/2016	
	rent Utility Rate and Regulator	y Plan? Y	es 🗹 No 🗌	
Comments				
Approvals				Applicable?
	Brvan K. Gongre	Date:	4/21/2016	Applicable?
Regional Manager:	Bryan K. Gongre	Date:	4/21/2016	V
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	4/21/2016 4/29/2016	
Regional Manager: VP Operations:				V
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
<b>Approvals</b> Regional Manager: VP Operations: President: <b>Approval or Re-Direction C</b>	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2016	



Evoqua Water Technologies Inc. 1828 METCALF AVE THOMASVILLE, GA 31792 
 TELEPHONE
 229-227-8736

 FACSIMILE
 229-228-0312

то	Bryan Gongre	сс	Earl Griner	P#160124-A0	Rev. 0
E-mail	BKGongre@uiwater.com	Phone			
FROM	Bill Knisely	DATE	03/02/2026	PAGE 1 OF 8	

SUBJECT Wekiva WWTP Rehab

Note: The scope of supply and pricing are based on EVOQUA standard equipment selection, wage rates, standard terms of sale and warranty terms. Any variations from these standards may affect this budgetary proposal. Additionally, please note that this budgetary proposal is for review and informational purposes only and does not constitute an offer for acceptance.

Budget Price for Equipment/Materials, Demolition, Installation & Field Paint for Wekiva WWTP's #1, #2, & #3 F.O.B. Thomasville, Georgia. Freight allowed is **<u>\$1,526,000.00.</u>** Taxes not included.

**General Description:** Provide materials and equipment to rehab three (3) existing WWTP's. All WWTP's have a 116'-0" diameter outer wall and 60'-0" clarifier. Plants #1 & #3 have steel outer walls and Plant #2 is concrete. Components and materials will be delivered by Evoqua for installation by Evoqua. Evoqua is not responsible for the repair or structural design of the existing concrete.

## SCOPE OF SUPPLY WWTP #3:

- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.
- Provide and install all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.

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- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc...
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- · Furnish and install new aluminum handrails on outside of peripheral walkway.
- Provide and install 1/8" aluminum splash plate to go under the walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Provide and install approx. 40' outer wall trim angle, 3/8" x 3" x 3", rolled leg in to replace existing as needed in aeration 1 zone.
- Furnish and install new 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 6" x 1 1/2" to replace peripheral toe plates as required.
- Furnish and install 8" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 3" x 2" x ¼" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 <sup>1</sup>/<sub>2</sub>" steel pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 27' long section of walkway to replace section from concrete structure to plant #3. Include 3' x 3' walkway off to side for accessing and cleaning influent bar screen to be included. Existing aluminum grating will be reused.
- Furnish and install approx. 200' of aluminum handrails and toe plates to run from plant #3 to walkway between plant #1 & #2.
- Replace 8" walkway beams on walkway that ties into concrete structure and runs to interconnecting walkway between plants #1 and #2.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was used in the contact stabilization mode. Patch holes in bulkheads where trough went thru.



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- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Repair gaps between outer wall and outer wall trim channel. Approx. 20' of welding required.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 3 channels on walkway between plant 3# and interconnecting walkway between plant #1 & #2.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

# SCOPE OF SUPPLY WWTP #2:

- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.
- Provide and stall all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 4" diameter center shaft.
- Provide and install 1/8" aluminum splash plate to go under the peripheral walkway.



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- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install material to replace top 48" of two bulkheads, one between digester & aeration 3 and one between aeration 2 & 3.
- Furnish and install bent plate 6 1/2" x 1 1/2" to replace peripheral toe plates as required.
- Furnish and install 4" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 2"x 2" x ¼" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 1/2" pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- · Furnish and install 1 light support bracket. Locate same location as existing light.
- Furnish and install 3 new support brackets for aluminum influent trough where original brackets were installed.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was use in the contact stabilization mode.
- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 10' pipe that is not being used in the CL2 zone.
- Install 1 new LED double headed light assembly. Same as on exiting new EQ tank.
- Sweep blast and paint interior with 16 mils coal tar epoxy. Paint top 4' of the interior concrete outer wall.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

## SCOPE OF SUPPLY WWTP #1:

- Provide and install new steel weir trough and scum baffle assemblies with drop box and 18" thick 304SS weir plates, hardware and seal tape.
- Provide and stall all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever

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operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.

- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- Furnish and install all new aluminum grating, handrails and toe plates on peripheral walkway.
- Furnish and install 3" x 3" x <sup>1</sup>/<sub>4</sub>" angle for center support on peripheral walkway grating.
- Provide and install aluminum splash plate to go under the walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Provide and install approx. 100' outer wall trim angle, 3/8" x 3" x 3" angle rolled leg in to replace existing as needed in aeration 1 zone.
- Furnish and install approx. 100' of 18" x 1/4" steel plate to replace top of outer wall in aeration zone 1.
- Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 8" x 3" to replace peripheral toe plates as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 34' long section of walkway to replace section from Plant 2 to Plant 1.
- Furnish and install aluminum handrails and toe plates for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install new aluminum grating for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install 3" x 2" x 1/4" angle to support aluminum grating as required.
- Furnish and install 3 new support brackets for aluminum influent trough.



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 229-227-8736

 FACSIMILE
 229-228-0312

- Furnish and install additional support channels and kicker on bulkhead between aeration 3 and digester consisting of two 15" channels x 30' long and 20' of 12" I-beam to be used as a kicker. Plate and anchors to be included.
- Furnish and install new aluminum handrails on existing stairway.
- Furnish and install new aluminum grating and required support steel for 36" x 36" stairway landing.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was use in the contact stabilization mode.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 54" x 54" opening rails and grating on walkway between plant and close walkway opening with new handrails.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

# GUARANTEE:

 One (1) year from date of acceptance not to exceed eighteen (18) month from date of shipment.

## ERECTION SCOPE:

Evoqua proposes to furnish labor, equipment and expendable materials to erect the equipment purchased on Evoqua Proposal Number 160124-A0.

- Customer is responsible to having the tanks drained and clean before Evoqua arrives on site.
- Evoqua is responsible for offloading the equipment supplied by Evoqua.
- All materials and equipment being removed by Evoqua during demolition to be disposed of on site.
- Evoqua is responsible for installing supplied accessories and/or equipment by normal fabrication and welding procedures.



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- Evoqua is responsible for providing the necessary construction equipment for erection (crane, welding machines, cutting equipment, etc.).
- Work hours by Evoqua Water Technologies LLC at the site shall be as determined by Evoqua Water Technologies LLC. The purchaser shall not define working hours, number of work days per week or prohibit Evoqua Water Technologies LLC from working evenings, weekends, holidays, etc., when deemed to be advisable by Evoqua Water Technologies LLC General Terms and Conditions for Erection Work document is included as part of this proposal.

## FIELD CORROSON PROTECTION NOTES:

- 1. Field painting cannot be performed in inclement weather or when temperatures are below 45° F. Evoqua will not be responsible for delays in the project due to the weather conditions.
- 2. Due to the unknown integrity of the existing coating, and should additional blasting other than sweep blasting on existing steel be required, the customer will be responsible for any additional cost. The additional cost will be approved by customer before work is done.

## ADDITIONAL REPAIR NOTE:

1. There may be other items in need of repair that are not known at this time. Evoqua will give customer a quote for any additional repairs before work is to be done.

## NOT BY EVOQUA:

- Concrete or grout work
- Submittals
- Start-up
- · Bypassing of plants during rehab
- Interconnection field piping of any kind
- Drain valves
- Any work on blowers
- Draining and cleaning of tanks
- Disinfection equipment



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- Any items not attached to the plant
- Taxes, Permits, Bonds
- · Any other equipment or items not expressly mentioned in this proposal

## **PROPOSAL:**

## Utilities Inc. of Florida Attention: Bryan Gongre Wekiva WWTP Rehabilitation Project

SCOPE OF SUPPLY WWTP #3	
Provide and install new drive assembly and controls to match what we furnished on Plant #1.	
Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir	
plates, hardware and seal tape. Provide and install all new 2 $\frac{1}{2}$ diameter 304SS diffusers drop pipe	
assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each	
diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve	
accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and	
fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers	
Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to included mounting on handrails near pump hoist.	
E Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc	
<ul> <li>Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.</li> <li>Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough not extend into the existing stilling well.</li> </ul>	will
C Furnish and install new skimmer arm assembly for a 6" diameter center shaft.	
E Furnish and install new aluminum handrails on outside of peripheral walkway.	
Provide and install 1/8" aluminum splash plate to go under the walkway.	
E Furnish and install new effluent overflow weir box in CL2, 304SS construction.	
Furnish and install grating clips with self-tapping screws.	
Provide and install approx. 40' outer wall trim angle, 3/8" x 3" x 3", rolled leg in to replace existing as needed in aeration 1 zone.	
E Furnish and install new 304SS unistrut to support water lines, chlorine lines conduit etc. as required.	
□ Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.	
Furnish and install bent plate 6" x 1 ½" to replace peripheral toe plates as required.	
Furnish and install 8" channel to replace existing peripheral walkway supports as needed.	
Furnish and install 3" x 2" x ¼" angle to replace existing peripheral walkway supports as needed.	
Furnish and install 2 ½" steel pipe to replace existing air header supports as required.	
Furnish and install 2 plates to repair bulkhead wall where contact trough is removed	
E Furnish and install 2 light support brackets. Locate same location as existing lights.	

E Furnish and install 27' long section of walkway to replace section from concrete structure to plant #3. Include 3' x

3' walkway off to side for accessing and cleaning influent bar screen to be included. Existing aluminum grating will be reused.

E Furnish and install approx. 200' of aluminum handrails and toe plates to run from plant #3 to walkway between plant #1 and #2.

E Replace 8" walkway beams on walkway that ties into concrete structure and runs to interconnecting walkway between plants #1 and #2

... Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.

Bemove approx.100' of trough that was used in the contact stabilization mode. Patch holes in bulkheads where trough went thru.

Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.

Bepair gaps between outer wall and outer wall trim channel. Approx. 20' of welding required.

E Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.

□ Furnish and install all new 1" chlorine line.

□ Remove any items on plant that are not being used, like old support brackets, piping etc.

C Remove 3 channels on walkway between plant 3# and interconnecting walkway between plant #1 & #2.

□ Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank

□ Sweep blast and paint interior with 16 mils coal tar epoxy.

Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

SCOPE OF SUPPLY WWTP #2

Provide and install new drive assembly and controls to match what we furnished on Plant #1.

Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.

as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe □ Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.

Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.

Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.

E Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.

Furnish and install new skimmer arm assembly for a 4" diameter center shaft.

Provide and install 1/8" aluminum splash plate to go under the peripheral walkway.

□ Furnish and install new effluent overflow weir box in CL2, 304SS construction.

□ Furnish and install grating clips with self-tapping screws.

Furnish and install 304SS unistrut to support water lines, chlorine lines conduit etc. as required.

🗆 Furnish and install material to replace top 48" of two bulkheads, one between digester & aeration 3 and one between aeration 2 & 3.

□ Furnish and install bent plate 6 1/2" x 1 ½" to replace peripheral toe plates as required.

□ Furnish and install 4" channel to replace existing peripheral walkway supports as needed.

□ Furnish and install 2"x 2" x ¼" angle to replace existing peripheral walkway supports as needed.

E Furnish and install 2 1/2" pipe to replace existing air header supports as required.

Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.

□ Furnish and install 1 light support bracket. Locate same location as existing light.

Furnish and install 3 new support brackets for aluminum influent trough where original brackets were installed.

Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough

□ Remove approx.100' of trough that was use in the contact stabilization mode.

Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.

Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.

Furnish and install all new 1" chlorine line.

□ Remove any items on plant that are not being used, like old support brackets, piping etc.

Remove 10' pipe that is not being used in the CL2 zone.

Install 1 new LED double headed light assembly. Same as on exiting new EQ tank.

Sweep blast and paint interior with 16 mils coal tar epoxy. Paint top 4' of the interior concrete outer wall.

Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

SCOPE OF SUPPLY WWTP#1

tape.Provide and stall all new 2  $\frac{1}{2}$ " diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.

Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.

□ Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.

□ Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.

Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.

□ Furnish and install new skimmer arm assembly for a 6" diameter center shaft.

□ Furnish and install all new aluminum grating, handrails and toe plates on peripheral walkway.

□ Furnish and install 3" x 3" x ¼" angle for center support on peripheral walkway grating.

Provide and install aluminum splash plate to go under the walkway.

□ Furnish and install new effluent overflow weir box in CL2, 304SS construction.

□ Furnish and install grating clips with self-tapping screws.

Provide and install approx. 100' outer wall trim angle, 3/8" x 3" x 3" angle rolled leg in to replace existing as needed in aeration 1 zone.

□ Furnish and install approx. 100' of 18" x ¼" steel plate to replace top of outer wall in aeration zone 1.

□ Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.

□ Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.

□ Furnish and install bent plate 8" x 3" to replace peripheral toe plates as required.

□ Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.

□ Furnish and install 2 light support brackets. Locate same location as existing lights.

□ Furnish and install 34' long section of walkway to replace section from Plant 2 to Plant 1.

Furnish and install aluminum handrails and toe plates for bridge walkway across clarifier and part of walkway to outer wall.

E Furnish and install new aluminum grating for bridge walkway across clarifier and part of walkway to outer wall.

□ Furnish and install 3" x 2" x ¼" angle to support aluminum grating as required.

Furnish and install 3 new support brackets for aluminum influent trough.

Furnish and install additional support channels and kicker on bulkhead between aeration 3 and digester consisting of two 15" channels x 30' long and 20' of 12"
 I-beam to be used as a kicker. Plate and anchors to be included.

II Furnish and install new aluminum handrails on existing stairway.

□ Furnish and install new aluminum grating and required support steel for 36" x 36" stairway landing.

Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.

□ Remove approx.100' of trough that was use in the contact stabilization mode.

Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.

□ Furnish and install all new 1" chlorine line.

B Remove any items on plant that are not being used, like old support brackets, piping etc.

Remove 54"X54" opening rails and grating on walkway between plant and close walkway opening with new handrails.

Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank

□ Sweep blast and paint interior with 16 mils coal tar epoxy.

Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade

#### **GUARANTEE:**

One (1) year from date of acceptance not to exceed eighteen (18) month from date of shipment

## Total Cost for WWTP #1, #2 & #3= \$1,704,000.00 Bid Date 4/8/16

### Note:

1. Guarantee on all workmenship and materials.

2. Price includes proper supervision, materials and labor.

3. Price is good for 30 days and subject to repricing after 30 days.

Upon approval, please sign below and fax this document to our office at (352) 793-9074. Thank you!

Signature:

Date:





## PROPOSAL

March 28, 2016

To: Sanlando Utilities Corp. 200 Weathersfield Ave. Altamonte Springs, FL 32714

Attn: Bryan Gongre

### Re: Wekiva WWTF Rehabilitation Project

Florida Environmental Construction, Inc. will provide all material, equipment and labor to complete each item as per your attached scope with the following notes and exceptions:

- All items being demolished or removed are to be disposed of onsite.
- Any additional items that are not covered in the scope that result in additional costs are not included.
- The following items are by others:
  - Draining and cleaning of tanks.
  - Concrete and grout work.
  - Start-up
  - Any bypassing of plants.
  - Taxes, permits and bonds.

TOTAL PRICE \$ 1,695,555.00

Proposal valid for 30 days from above date.

Submitted by:

Date:

Robert Lightsey

Florida Environmental Const., Inc.

3/28/16

Accepted b	<b>y</b> :
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Sanlando Utilities Corp.

Date:

P.O. #: \_

Bus. Unit #: \_

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC. PO BOX 305 HOWEY IN THE HILLS, FL 34737 PH: (352) 241-4756 ; FAX: (352) 241-9716



WEKIVA WWTF REHABILITATION PROJECT

General Description: Provide materials and equipment to rehab three (3) existing WWTP's. All WWTP's have a 116'-0" diameter outer wall and 60'-0" clarifier. Plants #1 & #3 have steel outer walls and Plant #2 is concrete.

### SCOPE OF SUPPLY WWTP #3:

- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape. Provide and install all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A
  manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc...
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- Furnish and install new aluminum handrails on outside of peripheral walkway.
- Provide and install 1/8" aluminum splash plate to go under the walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- · Furnish and install grating clips with self-tapping screws.
- Provide and install approx. 40' outer wall trim angle, 3/8" x 3" x 3", rolled leg in to replace existing as needed in aeration 1 zone.
- Furnish and install new 304SS unistrut to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 6" x 1 1/2" to replace peripheral toe plates as required.
- Furnish and install 8" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 3" x 2" x ¼" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 1/2" steel pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 27' long section of walkway to replace section from concrete structure to plant #3. Include 3' x 3' walkway off to side for accessing and cleaning influent bar screen to be included. Existing aluminum grating will be reused.
- Furnish and install approx. 200' of aluminum handrails and toe plates to run from plant #3 to walkway between plant #1 & #2.
- Replace 8" walkway beams on walkway that ties into concrete structure and runs to interconnecting walkway between plants #1 and #2.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was used in the contact stabilization mode. Patch holes in bulkheads where trough went thru.

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- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Repair gaps between outer wall and outer wall trim channel. Approx. 20' of welding required.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 3 channels on walkway between plant 3# and interconnecting walkway between plant #1 & #2.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

## **SCOPE OF SUPPLY WWTP #2:**

- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.
- Provide and stall all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 4" diameter center shaft. Provide and install 1/8" aluminum splash plate to go under the peripheral walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Furnish and install 304SS unistrut to support water lines, chlorine lines conduit etc. as required.
- Furnish and install material to replace top 48" of two bulkheads, one between digester & aeration 3 and one between aeration 2 & 3.
- Furnish and install bent plate 6 1/2" x 1 1/2" to replace peripheral toe plates as required.
- Furnish and install 4" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 2"x 2" x 1/4" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 1/2" pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 1 light support bracket. Locate same location as existing light.
- Furnish and install 3 new support brackets for aluminum influent trough where original brackets were installed.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was use in the contact stabilization mode.
- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 10' pipe that is not being used in the CL2 zone.

- Install 1 new LED double headed light assembly. Same as on exiting new EQ tank.
- Sweep blast and paint interior with 16 mils coal tar epoxy. Paint top 4' of the interior concrete outer wall.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

## SCOPE OF SUPPLY WWTP #1:

- Provide and install new steel weir trough and scum baffle assemblies with drop box and 18" thick 304SS weir plates, hardware and seal tape.Provide and stall all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- Furnish and install all new aluminum grating, handrails and toe plates on peripheral walkway.
- Furnish and install 3" x 3" x 1/4" angle for center support on peripheral walkway grating.
- Provide and install aluminum splash plate to go under the walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Provide and install approx. 100' outer wall trim angle, 3/8" x 3" x 3" angle rolled leg in to replace existing as needed in aeration 1 zone.
- Furnish and install approx. 100' of 18" x 1/4" steel plate to replace top of outer wall in aeration zone 1.
- Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 8" x 3" to replace peripheral toe plates as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 34' long section of walkway to replace section from Plant 2 to Plant 1.
- Furnish and install aluminum handrails and toe plates for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install new aluminum grating for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install 3" x 2" x 1/4" angle to support aluminum grating as required. Furnish and install 3 new support brackets for aluminum influent trough.
- Furnish and install additional support channels and kicker on bulkhead between aeration 3 and digester consisting of two 15" channels x 30' long and 20' of 12" I-beam to be used as a kicker. Plate and anchors to be included.
- Furnish and install new aluminum handrails on existing stairway.
- Furnish and install new aluminum grating and required support steel for 36" x 36" stairway landing.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was use in the contact stabilization mode.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistrut.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.

- Remove 54" x 54" opening rails and grating on walkway between plant and close walkway opening with new handrails.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

## **GUARANTEE:**

• One (1) year from date of acceptance not to exceed eighteen (18) month from date of shipment.



# ECO-2000 ECO-2000, Inc. P.O. Box 2275 Bushnell, FL 33513 Phone #352-793-5060

# **Estimate**

Account #	Date	Estimate #
UC101	4/8/2016	ECO-3147

Name / Address

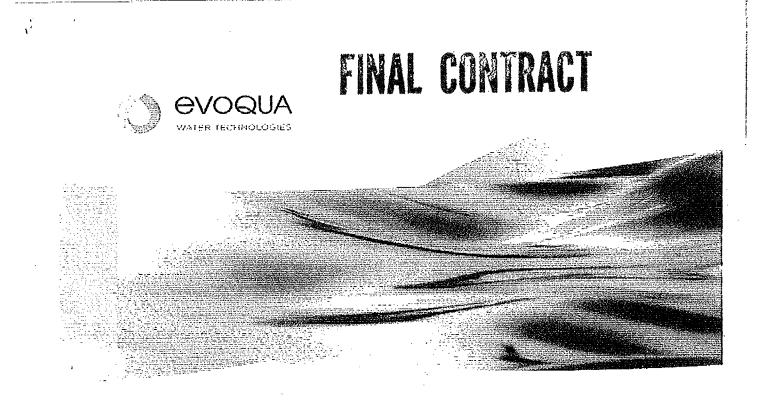
Utilities, Inc. of Florida Attn: Annette Zavilla, Accounts Payable 2335 Sanders Road Northbrook, IL 60062

Description	Qty	Rate	Total
WEKIVA WWTP (WWTP #1, #2 & #3)	3	52,950.00	158,850.00
Cleaning of (each) tank: including 200 yards of grit rag removal and pressure			

Cleaning of (each) tank; including 200 yards of grit, rag removal and pressure washing.

\*\*\*Includes labor, equipment & material\*\*

Total	\$158,850.00



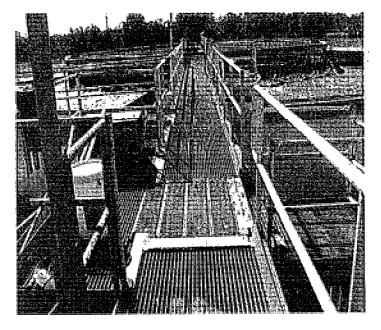
# WEKIVA WWTP'S #1, #2, #3 REHAB

## Quotation #160124-A1 / May 2, 2016

Questions relative to this Quotation should be directed to Evoqua's area sales Representative:

Evoqua Water Technologies LLC Earl Griner 1828 Metcalf Ave. Thomasville, Ga. 31792 229-403-1515

william.griner@evoqua.com



1828 Metez Ave., Thomasuite, GA 31792 +1 (229) 226-5733 (phone) +1 (229) 228-0312 (las)

www.evoqua.com

## To: Bryan Gongre

Job Name: Wekiva WWTP's #1. #2, & #3 Rehab

### 1) <u>SUMMARY:</u>

Evoqua Water Technologies, LLC proposes to deliver and install equipment/materials to rehab three (3) existing Sanitaire WWTP at the Wekiva WWTP site as applicable to the scope of supply described in this quotation and subject to the Clarifications/Exceptions and Standard Terms of Sale and Erection stated herein.

All WWTP's have a 116'-0" diameter outer wall and 60'-0" clarifier. Plants #1 & #3 have steel outer walls and Plant #2 is concrete. Components and materials will be delivered by Evoqua for installation by Evoqua. Evoqua is not responsible for the repair or structural design of the existing concrete.

All of the information set forth in this quotation (including drawings, designs and specifications) is confidential and/or proprietary and has been prepared solely for the recipient's use in considering the purchase of the equipment and/or services described herein. Transmission of all or any part of this information to others, or use by the recipient, for other purposes is expressly prohibited without Evoqua's prior written consent.

### PRICE SUMMARY:

Evoqua's price includes only the specific items detailed in this quotation. Items not specifically identified herein are to be furnished by others. Please refer to the "Excluded Items" Section 8 of this quotation for a list of items to be furnished by others.

## A) UNIT PRICING:

ITEM & DESCRIPTION: (See following pages for further description) PRICE

\$1,526,000.00

Material/Equipment, Demo, Installation, & Field Painting (All materials being removed to be disposed of onsite)

- B) <u>FREIGHT</u>: Pricing is FOB shipping point with standard freight allowed to the job site. Our price does not include any storage on the site.
- C) <u>QUOTATION VALIDITY</u>: This quotation is valid for a period of sixty (60) days unless extended in writing by Evoqua.
- D) FIELD SERVICES: N/A (start-up/training not required)
- A) <u>SERVICE MANUALS:</u> Two (2) new service manuals to be provided for the new clarifier drive units, which are duplicate to WWTP #1 and for new supernatant pumps.
- B) ADDENDUMS: None
- E) <u>PAYMENT AND PRICE TERMS</u>: The terms of payment are net 30 in accordance with the following milestones: 10% with signed agreement. 90% progressive payments.

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Evoqua's prices are exclusive of any taxes unless expressly stated in this quotation. If this project is subject to sales or use tax, tariffs, import/ export fees, duties or any other government dues. The Purchaser shall be invoiced for taxes at the current rate

## 2) DRAWING AND SHIPMENT SCHEDULE:

Actual dates for equipment delivery will be provided after agreed upon schedule and fully executed purchase agreement. Evoqua will work closely with the Customer to provide delivery dates to meet the overall project schedule as possible.

of sales or use tax for the jobsite location, at the time of invoice issuance.

Submittal Drawings: N/A

Submittal Drawing Reviews/Approvals: N/A

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Estimated Shipment of Equipment: Within 16-18 weeks after final agreement by both parties and receipt of signed contract.

Estimated installation time: 6-7 weeks per plant

Estimate paint time: 6-7 weeks per plant

### 3) SCOPE of SUPPLY WWTP #3

- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.
- Provide and install all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- · Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- Furnish and install new aluminum handrails on outside of peripheral walkway.
- Provide and install 1/8" aluminum splash plate to go under the walkway.

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• Furnish and install new effluent overflow weir box in CL2, 304SS construction.

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· Furnish and install grating clips with self-tapping screws.

- Provide and install approx. 40' outer wall trim angle, 3/8" x 3" x 3", rolled leg in to replace existing as needed in aeration 1 zone.
- Furnish and install new 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 6" x 1 ½" to replace peripheral toe plates as required.
- Furnish and install 8" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 3" x 2" x ¼" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 ½" steel pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- · Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 27' long section of walkway to replace section from concrete structure to plant #3. Include 3' x 3' walkway off to side for accessing and cleaning influent bar screen to be included. Existing aluminum grating will be reused.
- Furnish and install approx. 200' of aluminum handrails and toe plates to run from plant #3 to walkway between plant #1 & #2.
- Replace 8" walkway beams on walkway that ties into concrete structure and runs to interconnecting walkway between plants #1 and #2.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was used in the contact stabilization mode.
   Patch holes in bulkheads where trough went thru.
- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Repair gaps between outer wall and outer wall trim channel. Approx. 20' of welding required.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 3 channels on walkway between plant 3# and interconnecting walkway between plant #1 & #2.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

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## COMONATION NO. 160124-A41 WESIVE WWATP'S #1, #2, DATE: 04/28/2016 #2 Refere

## 4) SCOPE OF SUPPLY WWTP #2:

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- Provide and install new drive assembly and controls to match what we furnished on Plant #1.
- Provide and install new steel weir trough and scum baffle assemblies with drop box and 1/8" thick 304SS weir plates, hardware and seal tape.
- Provide and install all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- Furnish and install new skimmer arm assembly for a 4" diameter center shaft.
- Provide and install 1/8" aluminum splash plate to go under the peripheral walkway.
- Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- Furnish and install grating clips with self-tapping screws.
- Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install material to replace top 48" of two bulkheads, one between digester & aeration 3 and one between aeration 2 & 3.
- Furnish and install bent plate 6 1/2" x 1 ½" to replace peripheral toe plates as required.
- Furnish and install 4" channel to replace existing peripheral walkway supports as needed.
- Furnish and install 2"x 2" x ¼" angle to replace existing peripheral walkway supports as needed.
- Furnish and install 2 ½" pipe to replace existing air header supports as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 1 light support bracket. Locate same location as existing light.
- Furnish and install 3 new support brackets for aluminum influent trough where original brackets were installed.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx.100' of trough that was use in the contact stabilization mode.

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- Existing walkway grating and splash plates to be removed and re-installed for blasting and painting.
- Furnish and install all new 2" sch 80 pvc wash down piping, fittings and hose bibs. Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.
- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 10' pipe that is not being used in the CL2 zone.

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- Install 1 new LED double headed light assembly. Same as on exiting new EQ tank.
- Sweep blast and paint interior with 16 mils coal tar epoxy. Paint top 4' of the interior concrete outer wall.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils epoxy, color to match existing. Exterior will not be painted below grade.

## 5) SCOPE OF SUPPLY WWTP #1:

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- Provide and install new steel weir trough and scum baffle assemblies with drop box and 18" thick 304SS weir plates, hardware and seal tape.
- Provide and install all new 2 ½" diameter 304SS diffusers drop pipe assemblies in the aeration zones and digester. Number drop pipes to be as are existing in Plant #2. Each diffuser drop pipe assembly shall consist of a union to allow ease of removal, a lever operated ball valve accessible from the walkway for the purpose of shut off and regulation of air supply, and the necessary pipe and fittings. The drop pipe assembly to be of sch 10 304SS with 304SS wide band coarse bubble diffusers.
- Furnish and install new supernatant pump assembly on guide rails with pump hoist and flex hose discharge. A manual on / off switch to be included mounting on handrails near pump hoist.
- Furnish and install new 304SS Sludge return box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS Sludge waste box with steel airlift pipe assembly, air supply valve hose etc.
- Furnish and install new 304SS scum trough assembly with steel discharge piping, supports as required and auto scum. The new trough will not extend into the existing stilling well.
- · Furnish and install new skimmer arm assembly for a 6" diameter center shaft.
- Furnish and install all new aluminum grating, handrails and toe plates on peripheral walkway.
- Furnish and install 3" x 3" x ¼" angle for center support on peripheral walkway arating.
- Provide and install aluminum splash plate to go under the walkway.
- · Furnish and install new effluent overflow weir box in CL2, 304SS construction.
- · Furnish and install grating clips with self-tapping screws.
- Provide and install approx. 100' outer wall trim angle, 3/8" x 3" x 3" angle rolled leg in to replace existing as needed in aeration 1 zone.

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## Furnish and install approx. 100' of 18" x ¼" steel plate to replace top of outer wall in aeration zone 1.

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- Furnish and install 304SS unistruct to support water lines, chlorine lines conduit etc. as required.
- Furnish and install approx. 40' of 10" channel to replace channel on top of bulkhead as needed.
- Furnish and install bent plate 8" x 3" to replace peripheral toe plates as required.
- Furnish and install 2 plates to repair bulkhead wall where contact trough is removed.
- Furnish and install 2 light support brackets. Locate same location as existing lights.
- Furnish and install 34' long section of walkway to replace section from Plant 2 to Plant 1.
- Furnish and install aluminum handrails and toe plates for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install new aluminum grating for bridge walkway across clarifier and part of walkway to outer wall.
- Furnish and install 3" x 2" x ¼" angle to support aluminum grating as required.
- Furnish and install 3 new support brackets for aluminum influent trough.
- Furnish and install additional support channels and kicker on bulkhead between aeration 3 and digester consisting of two 15" channels x 30' long and 20' of 12" Ibeam to be used as a kicker. Plate and anchors to be included.
- Furnish and install new aluminum handrails on existing stairway.
- Furnish and install new aluminum grating and required support steel for 36" x 36" stairway landing.
- Furnish and install miscellaneous aluminum to replace plate where influent box ties into influent trough.
- Remove approx 100' of trough that was use in the contact stabilization mode.
- Furnish and install all new 2<sup>\*</sup> sch 80 pvc wash down piping, fittings and hose bibs, Support with 304SS unistruct.
- Furnish and install all new 1" chlorine line.

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- Remove any items on plant that are not being used, like old support brackets, piping etc.
- Remove 54" x 54" opening rails and grating on walkway between plant and close walkway opening with new handrails.
- Install 2 new LED double headed light assemblies. Same as ones on existing new EQ tank
- Sweep blast and paint interior with 16 mils coal tar epoxy.
- Sweep blast and paint all items above walkway and exterior of plant with 5 mils
- epoxy, color to match existing. Exterior will not be painted below grade.

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## 6) ERECTION SCOPE:

Evoqua proposes to furnish labor, equipment and expendable materials to erect the equipment purchased on Evoqua Proposal Number 160124-A1.

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 Customer is responsible to having the tanks drained and clean before Evoqua arrives on site.

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- Evoqua is responsible for offloading the equipment supplied by Evoqua.
- All materials and equipment being removed by Evoqua during demolition to be disposed of on site.
- Evoqua is responsible for installing supplied accessories and/or equipment by normal fabrication and welding procedures.
- Evoqua is responsible for providing the necessary construction equipment for erection (crane, welding machines, cutting equipment, etc.).
- Work hours by Evoqua Water Technologies LLC at the site shall be as determined by Evoqua Water Technologies LLC. The purchaser shall not define working hours, number of work days per week or prohibit Evoqua Water Technologies LLC from working evenings, weekends, holidays, etc., when deemed to be advisable by Evoqua Water Technologies LLC General Terms and Conditions for Erection Work document is included as part of this proposal.

<u>NOTE:</u> There may be other items in need of repair that are not known at this time. Evoqua will give customer a quote for any additional repairs before work is to be done.

## **GAURANTEE:**

 One (1) year from date of acceptance not to exceed eighteen (18) month from date of shipment.

### 7) CLARIFICATIONS /EXCEPTIONS:

The equipment specified herein is Evoqua's standard equipment offering. Quotation is subject to the following clarifications:

Article, Section	CLARIFICATIONS / EXCEPTIONS
	The scope of supply and pricing are based on EVOQUA standard equipment selection, wage rates, standard terms of sale and warranty terms.

Variations from Evoqua's standard Terms and Conditions of Sale and the Clarifications/Exceptions identified above can be negotiated on an individual, as needed basis prior to award of contract. However, please note that this proposal

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CUOTATION NO. 160124844 Workva WWTP's #1, #2 DATE: 04/28/2016 #3 Rehab

is expressly conditioned upon: (i) acceptance by the Owner or Contractor of the Terms and Conditions of Sale and the Clarifications/Exceptions as described within this proposal, without modification or addition, or a mutually agreed upon set of commercial and technical terms; and (ii) Evoqua's satisfactory completion of an anti-corruption due diligence review of the purchaser.

## 8) EXCLUDED ITEMS:

Evoqua's price includes only those items listed in this Quotation. Therefore, the items listed below will not be supplied by Evoqua:

- Concrete or grout work
- Submittals
- Start-up other than new clarifier drives and supernatant pumps.
- Bypassing of plants during rehab
- Interconnection field piping of any kind
- Drain valves
- Any work on blowers
- Draining and cleaning of tanks
- Disinfection equipment
- Field conduit and wiring
- Any items not attached to the plant
- Taxes, Permits, Bonds
- Any other equipment or items not expressly mentioned in this proposal

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Quotation Submitted by Evoqua Water Technologies, LLC: James Knisely

Signature below indicates acceptance of this quotation, including the Standard Terms of Sale altached herelo.

Accepted by Buyer:

Signatur Som Printed Name O. to Y k

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2016 Date

Acknowledged by Seller: Evequa Water Technologies, KLO Signature Printed Name neral. <u>lanage</u> Dale

**Buyer Address** 

Utilities Inc of Florida - Sanlando 200 Weathersfield Avenue Allamonte Springs, FL 32714

#### EVOQUA WATER TECHNOLOGIES LLC Standard Terms of Sale

QUOFATIONINO-160124-A1 Wellive WWTP's #1, #2 DATE 04/28/2016

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1. <u>Applicable Terms.</u> These terms govern the purchase and sale of equipment, products, related services, leased products, and media goods if any (collectively herein "Work"), referred to in Seller's proposal ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is expressly conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.

2. <u>Payment</u>, Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation specifically provides otherwise, freight, storage, insurance and all taxes, levies, duties, tariffs, permits or license fees or other governmental charges relating to the Work or any incremental increases thereto shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. If Buyer claims a tax or other exemption or direct payment permit, it shall provide Seller with a valid exemption certificate or permit and indemnify, defend and hold Seller harmless from any taxes, costs and penalties arising out of same. All payments are due within 30 days after receipt of invoice. Buyer shall be charged the lower of 1 ½% interest per month or the maximum legal rate on all amounts not received by the due date and shall pay all of Seller's reasonable costs (including attorneys' fees) of collecting amounts due but unpaid. All orders are subject to credit approval by Seller. Back charges without Seller's prior written approval shall not be accepted.

3. <u>Delivery.</u> Delivery of the Work shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, delivery terms are ExWorks Seller's factory (Incoterms 2010). Title to all Work shall pass upon receipt of payment for the Work under the respective invoice. Unless otherwise agreed to in writing by Seller, shipping dates are approximate only and Seller shall not be liable for any loss or expense (consequential or otherwise) incurred by Buyer or Buyer's customer if Seller fails to meet the specified delivery schedule.

4. <u>Ownership of Materials and Licenses.</u> All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data, software and other documents or information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any such material solely for Buyer's use of the Work. Buyer shall not disclose any such material to third parties without Seller's prior written consent. Buyer grants Seller a non-exclusive, non-transferable license to use Buyer's name and logo for marketing purposes, including but not limited to, press releases, marketing and promotional materials, and web site content.

5. <u>Changes</u>. Neither party shall implement any changes in the scope of Work described in Seller's Documentation without a mutually agreed upon change order. Any change to the scope of the Work, delivery schedule for the Work, any Force Majeure Event, any law, rule, regulation, order, code, standard or requirement which requires any change hereunder shall entitle Seller to an equitable adjustment in the price and time of performance.

6. <u>Force Majeure Event.</u> Neither Buyer nor Seller shall have any liability for any breach or delay (except for breach of payment obligations) caused by a Force Majeure Event. If a Force Majeure Event exceeds six (6) months in duration, the Seller shall have the right to terminate the Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed prior to the date of termination. "Force Majeure Event" shall mean events or circumstances that are beyond the affected party's control and could not reasonably have been easily avoided or overcome by the affected party and are not substantially attributable to the other party. Force Majeure Event may include, but is not limited to, the following circumstances or events: war, act of foreign enemies, terrorism, riot, strike, or lockout by persons other than by Seller or its sub-suppliers, natural catastrophes or (with respect to on-site work), unusual weather conditions.

7. <u>Warranty</u>. Subject to the following sentence, Seller warrants to Buyer that the (i) Work shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship and (ii) the Services shall be performed in a timely and workmanlike manner. Determination of suitability of treated water for any use by Buyer shall be the sole and exclusive responsibility of Buyer. The foregoing warranty shall not apply to any Work that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. The Seller warrants the Work, or any components thereof, through the earlier of (i) eighteen (18) months from delivery of the Work or (ii) twelve (12) months from initial operation of the Work or ninety (90) days from the performance of services (the "Warranty Period"). If Buyer gives Seller prompt written notice of breach of this warranty within the Warranty Period, Seller shall, at its sole option and as Buyer's sole and exclusive remedy, repair or replace the responsible for any labor required to gain access to the Work so that Seller can assess the available remedies and (ii) Buyer shall be responsible for all costs of installation of repaired or replaced Work. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (a) operating and maintaining the Work in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller's warranty does not cover (i) damage caused

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CLIOTATIONINO: 160124-A1\_ Wekiya WWTP's #1, #2, DATL: 04/28/2016-#3 Rehab

conditioned on Buyer's (a) operating and maintaining the Work in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller. Seller's warranty does not cover (i) damage caused by chemical action or abrasive material, misuse or improper installation (unless installed by Seller) and (ii) media goods (such as, but not filmited to, resin, membranes, or granular activated carbon media) once media goods are installed. THE WARRANTIES SET FORTH IN THIS SECTION 7 ARE THE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO THE LIMITATION OF LIABILITY PROVISION BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

8. <u>Indemnity.</u> Seller shall indemnify, defend and hold Buyer hamless from any claim, cause of action or liability incurred by Buyer as a result of third party claims for personal injury, death or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (a) promptly, within the Warranty Period, notifying Seller of any claim, and (b) providing reasonable cooperation in the defense of any claim.

9. <u>Assignment.</u> Neither party may assign this Agreement, in whole or in part, nor any rights or obligations hereunder without the prior written consent of the other party; provided, however, the Seller may assign its rights and obligations under these terms to its affiliates or in connection with the sale or transfer of the Seller's business and Seller may grant a security interest in the Agreement and/or assign proceeds of the agreement without Buyer's consent.

10. <u>Termination</u>. Either party may terminate this agreement, upon issuance of a written notice of breach and a thirty (30) day cure period, for a material breach (including but not limited to, filing of bankruptcy, or failure to fulfill the material obligations of this agreement). If Buyer suspends an order without a change order for ninety (90) or more days, Setter may thereafter terminate this Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed, whether delivered or undelivered, prior to the date of termination.

11. <u>Dispute Resolution</u>. Seller and Buyer shall negotiate in good faith to resolve any dispute relating hereto. If, despite good faith efforts, the parties are unable to resolve a dispute or claim arising out of or relating to this Agreement or its breach, termination, enforcement, interpretation or validity, the parties will first seek to agree on a forum for mediation to be held in a mutually agreeable site. If the parties are unable to resolve the dispute through mediation, then any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this agreement to arbitrate, shall be determined by arbitration in Pittsburgh, Pennsylvania before three arbitrators who are lawyers experienced in the discipline that is the subject of the dispute and shall be jointly selected by Seller and Buyer. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures. The Arbitrators shall issue a reasoned decision of a majority of the arbitrators, which shall be the decision of the panet. Judgment may be entered upon the arbitrators' decision in any court of competent jurisdiction. The substantially prevailing party as determined by the arbitrators shall be relembursed by the other party for all costs, expenses and charges, including without limitation reasonable attorneys' fees, incurred by the prevailing party in connection with the arbitration. For any order shipped outside of the United States, any dispute shall be referred to and finally determined by the International Center for Dispute Resolution in accordance with the provisions of its International Arbitration Rules, enforceable under the New York Convention (Convention on the Recognition and Enforcement of Foreign Arbitral Awards) and the governing fanguage shall be the files.

12. <u>Export Compliance.</u> Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the Work provided under this Agreement, including any export license requirements. Buyer agrees that such Work shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

13. <u>LIMITATION OF LIABILITY.</u> NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE WORK, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR ALL WARRANTY CLAIMS OR FOR ANY BREACH OR FAILURE TO PERFORM ANY OBLIGATION UNDER THE CONTRACT, SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE WORK. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.

14. <u>Rental Equipment / Services</u>. Any leased or rented equipment ("Leased Equipment") provided by Seller shall at all times be the property of Seller with the exception of certain miscellaneous installation materials purchased by the Buyer, and no right or property interest is transferred to the Buyer, except the right to use any such Leased Equipment as provided herein. Buyer agrees that it shall not pledge, lend, or create a security interest in, part with possession of, or relocate the Leased Equipment. Buyer shall be responsible to maintain the Leased Equipment in good and efficient working order. At the end of the initial term specified in the order, the terms shall automatically renew for the identical period unless canceled in writing by Buyer or Seller not sooner than three (3) months nor later than

Page 12 of 16

OLIOTATION NO. 160124/A1 Wokiya WWTP's #1: #2: DATE: 04/28/2018 #3 Rehab

one (1) month from termination of the initial order or any renewal terms. Upon any renewal, Seller shall have the right to issue nolice of increased pricing which shall be effective for any renewed terms unless Buyer objects in writing within fifteen (15) days of issuance of said notice. If Buyer timely cancels service in writing prior to the end of the initial or any renewal term this shall not relieve Buyer of its obligations under the order for the monthly rental service charge which shall continue to be due and owing. Upon the expiration or termination of this Agreement, Buyer shall promptly make any Leased Equipment available to Seller for removal. Buyer hereby agrees that it shall grant Seller access to the Leased Equipment location and shall permit Seller to take possession of and remove the Leased Equipment without resort to legal process and hereby releases Seller from any claim or right of action for trespass or damages caused by reason of such entry and removal.

15. <u>Miscellaneous.</u> These terms, together with any Contract Documents issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. To the extent the Agreement is considered a subcontract under Buyer's prime contract with an agency of the United States government, in case of Federal Acquisition Regulations (FARs) flow down terms, Seller will be in compliance with Section 44.403 of the FAR relating to commercial items and those additional clauses as specifically listed in 52.244-6, Subcontracts for Commercial items (OCT 2014). If any of these terms is unenforceable, such term shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions. Both Buyer and Seller reject the applicability of the United Nations Convention on Contracts for the international sales of goods to the relationship between the parties and to all transactions ansing from said relationship.

Page 13 of 16

### Evoqua Water Technologies LLC GENERAL TERMS AND CONDITIONS FOR ERECTION WORK

107:5d=54:08124:024:024:0

1. Equipment location and staking, including plant orientation, influent and effluent location, is the responsibility of the Purchaser and/or his engineer.

TOUOTATION NO. 160124041 WOLFOR WWTES #1592.

2. The elevation of equipment above or below grade must be determined by the Purchaser and/or his engineer and entered upon the approved drawings. Purchaser is responsible for establishing benchmark at site for Evoqua Waste Technologies erection crew.

3. Purchaser agrees to provide a clear level work area at least 35 feet wide around the periphery of the erection site. Prior to starting erection, any obstructions in the work area, such as excavations, overhead lines, fences, trees, shrubbery, etc., shall be removed by and at the expense of the Purchaser. The Purchaser shall keep the site properly drained and free from surface water during erection, and until the work has been completed and accepted. The site and site access shall be capable of supporting a crane up to and including 50-ton capacity and other erection equipment. Any fill or dewatering necessary to accomplish the above, or additional costs of oversized or special equipment required due to poor site conditions, will be the responsibility of the Purchaser. Site leveling, grading, etc., after erections, shall be the responsibility of the Purchaser. Evoqua Water Technologies shall be responsible for the clean up and removal of trash, scrap materials, etc., left from Evoqua Water Technologies erection work.

4. Purchaser agrees to provide site access and site working area capable of supporting the delivery trucks (70-75,000 pounds gross weight). Purchaser agrees to maintain site access and working area, daily if required, to allow Evoqua Water Technologies erection crew to perform work during all weather conditions. Should Evoqua Water Technologies have to stop work and return to the site when access and/or work area permits or experience delays due to the site and site access being unsuitable for work due to Purchaser's failure to prepare and/or maintain the above, the Purchaser agrees to compensate Evoqua Water Technologies for cost incurred and agrees Evoqua Water Technologies shall be indemnified and held harmless from all loss or damages resulting from delays of job progress, that are directly or indirectly a result of the Purchaser's responsibility.

5. Evoqua Water Technologies' erection personnel are non-union and all work will be by non-union personnel. In case of interference in erection work due to labor problems by persons not employed by Evoqua Water Technologies, or the imposition of requirements concerning labor, working conditions, wage rates, etc., which were not clearly defined prior to Evoqua Water Technologies acceptance of the erection job, Evoqua Water Technologies shall have the right to stop work without prejudice until such interference or condition is satisfactorily removed or resolved. If additional costs are incurred by Evoqua Water Technologies for the Additional costs incurred.

Evoqua Water Technologies is an Equal Opportunity Employer and shall comply with government regulations pertaining to fair and equal employment.

Work hours by Evoqua Water Technologies at the site shall be as determined by Evoqua Water Technologies. The purchaser shall not define working hours, number of work days per week or prohibit Evoqua Water Technologies from working evenings, weekends, holidays, etc., when deemed to be advisable by Evoqua Water Technologies.

6. INSURANCE

Page 14 of 16

During the period of erection of the equipment contemplated herein, Evoqua Water Technologies will maintain the following insurance: Per Englewood Water District Insurance requirement, (copy attached).

76.224

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(a) Workmen's Compensation and Employer's Liability.

SIGUIDITATION NO. 1601247A15 WGNIVE WWITT

- (b) Occupational Disease.
- (c) Contractual Liability.
- (d) Public Liability Insurance, Personal Injury and Property Damage.
- (e) Automobile Liability, Personal Injury and Property Damage.

Any insurance required by Purchaser in addition to the above mentioned coverage shall not be considered to be included in the purchase price as set forth herein and shall be charged to the Purchaser.

7. UNLOADING OF EQUIPMENT: Evoqua Water Technologies is responsible for unloading of equipment which is to be erected by Evoqua Water Technologies. Purchaser is responsible for unloading any equipment or accessories shipped to Purchaser for his installation. (Such as base channels to be embedded in concrete foundation by Purchaser, blowers or other accessories to be installed by Purchaser).

8. PURCHASER ACCEPTANCE OF ERECTED EQUIPMENT: When erection of the equipment nears completion Evoqua Water Technologies shall give Purchaser seventy-two hours verbal notice that the equipment shall be ready for inspection and acceptance. Purchaser agrees to provide, on seventy-two hours notice, an authorized agent to meet at the site with Evoqua Water Technologies erection personnel, to inspect the erected equipment, and accept same for/or on behalf of the Purchaser. Any backordered items not installed at that time shall be listed on the acceptance agreement with written understanding that Evoqua Water Technologies is responsible for installing the subject equipment. Backordered items shall be received by the Purchaser at the "Backordered Address" previously provided-and stored until Evoqua Water Technologies installation is scheduled.

9. PREPARATION FOR START-UP OF ERECTED EQUIPMENT: Upon completion of erection Evoqua Water Technologies shall inform the Purchaser that the erected equipment is ready to be placed in service. The Purchaser shall make all preparations for which he is responsible, such as: Influent and effluent connections, installation of the required electrical power supply and circuitry, filling tanks with clean water for testing and start-up, etc. If any deficiencies in materials or workmanship by Evoqua Water Technologies are discovered by the Purchaser while performing this work, the Purchaser shall immediately notify Evoqua Water Technologies so that corrective action can be taken. Evoqua Water Technologies is responsible for providing start-up supervision as defined in the equipment proposal. For scheduling purposes, ten days notice of desired start-up date is required.

10. SECURITY AND PROTECTION OF EQUIPMENT: Purchaser is responsible for security of equipment stored on his site after delivery prior to arrival of Evoqua Water Technologies crews to begin erection; and for any backordered material delivered to Purchaser after departure of Evoqua Water Technologies erection crews. Evoqua Water Technologies shall not be responsible for deterioration, theft, vandalism or damage to equipment which is stored on site or left inoperative after installation due to delays in start-up. Purchaser agrees to be responsible for security and protection of such equipment.

11. BACKCHARGES: Evoqua Water Technologies will accept no backcharges for any reason which has not been approved prior to any work being performed in writing by an authorized manager of the company. Purchaser agrees to contact Evoqua Water Technologies and receive written authorization prior to incurring any costs related to backcharges.

12. LICENSES AND PERMITS: Unless specifically stated in Evoqua Water Technologies erection proposal, Evoqua Water Technologies is not responsible for licenses, permits or fees required to perform the work defined in this proposal.

13. (a) Evoqua Water Technologies shall not be liable for delays due to: (1) causes beyond its reasonable control or (2) acts of God, acts of customer, prerequisite work by others, acts of civil or military authority, government priorities, fires, strikes or other labor disturbances, floods, epidemics, war riot,

Page 15 of 16

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TEUESTATIONERO, 160/222465 WERRAWWTES-#1.#2, --- DATE: 02128/2016 ---#5 Repair

delays in transportation or (3) Inability to obtain or delay in obtaining, due to causes beyond its reasonable control, suitable labor, materials, or facilities. In the event of any such delay; the time of performance shall be extended for a period equal to the time lost by reason of the delay.

Sec. 3. 4

(b) In the event Evoqua Water Technologies is delayed by acts of the customer or by prerequisite work by other contractors or suppliers of the customer, Evoqua Water Technologies shall be entitled to an equitable price adjustment in addition to extension of the time of performance.

14. Evoqua Water Technologies reserves the right to subcontract any of the work to one or more subcontractors.

15. Purchaser shall protect all gauges, controls and factory finishes from the painting operation. Purchaser shall be responsible for the removal and reinstallation of any assembly that affects the painting operation.

Page 16 of 16

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Evoqua Water Technologies LLC 2607 N. Grandview Blvd, Ste 130 Waukesha, WI 53188

## RECEIVED JUN 13 2016

3005863 PDH 214966 Rozelt 226568

Bill To:

UTILITIES INC OF FLORIDA - SANLANDO ATTN: ACCOUNTS PAYABLE 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714

Phone: 262-547-0141 262-521-8586 E-mail: michael karls@evoqua.com

Invoice # Date: PO # Customer ID: Evoqua # Tax Rate SHIP TO:

Fax:

902665233 6/9/2016 Signed Proposal 160124-A1 1010924 2033/000739 6.00% 1% on first \$5,000 WEKIVA WWTP **144 LEDBURY DRIVE** LONGWOOD, FL 32779

# INVOICE

	Tax	Scheduled					Balance
Agreed Invoicing Milestones	Y/N	Value	Previous	Tax	This Period	Tax	To Finish
Equipment							
10 With Signed Agreement	Y	\$56,083.50		\$0.00	\$56,083.50	3,415.01	\$0.00
Plant #1	Y	\$182,912.40		\$0.00		• [	\$182,912.40
Plant #2	Y	\$150,811.20		\$0.00		-	\$150,811.20
Plant #3	Y	\$171,027.90		\$0.00			\$171,027.90
Installation							
10 With Signed Agreement	N	\$51,046.40		\$0.00	\$51,046.40	-	\$0.00
Plant #1	N	\$165,355.20		\$0.00		-	\$165,355.20
Plant #2	N	\$137,178.90		\$0.00		-	\$137,178.90
Plant #3	N	\$156,883.50		\$0.00		*	\$156,883.50
Field Paint							
10 With Signed Agreement	N	\$45,470.10		\$0.00	\$45,470.10	-	\$0.00
Plant #1	N	\$137,953.80		\$0.00		•	\$137,953.80
Plant #2	N	\$119,823.30		\$0.00		-	\$119,823.30
Plant #3	N	\$137,953.80		\$0.00		-	\$137,953.80
Startup							
Plant #1	N	\$4,500.00		\$0.00		-	\$4,500.00
Plant #2	N	\$4,500.00		\$0.00		-	\$4,500.00
Plant #3	N	\$4,500.00		\$0.00		-	\$4,500.00
TOTALS		\$1,526,000.00	\$0.00	\$0.00	\$152,600.00	\$3,415.01	\$1,373,400.00

\$156,015.01 Total

Terms: Balance due in 30 days.

NEW REMITTANCE - CHECK	New REMITTANCE - ACH/WIRE
EVOQUA WATER TECHNOLOGIES	J.P. Morgan Chase Bank, N.A.
28563 Network Place	Account: Evoquqa Water Technologies
Chicago, IL 60673-1285	New York, NY 10004
Amount Due: \$156,015.01	
	· · · · · · · · · · · · · · · · · · ·

These commodities are sold for domestic consumption. Any export of these commodities must be made in compliance with applicable U.S. Laws. These commodities, technology or software (items) were exported from the United States in accordance with the Export Administration

Regulations Diversion contrary to US law is prohibited. These items are not to be used directly or indirectly in prohibited nuclear chemical/biological or missile weapons activities.



## ADD-CHANGE FORM

	Change?	New Proje	ct	Assigned I	Project #:	2016067
Requested by:	Bryan K. Gong Project Manager / A				Date:	5/25/2016
Project Name:	Const DP W2A	& LS A-1 Gen				
Company:	255	Sanlando Utiliti	es Corp			
Business Unit:	255100	Sanlando Utiliti	es Corp W	BU Type:		WP
Project Owner:	Bryan K. Gong	re		Budget Own	ar / RVD-	John Hoy
Project Manager:	Bryan K. Gong	re			AT INT.	Florida
Start Date:	6/6/2016	Q2 2016		Region:		FL
Estimated End Date:	12/31/2016	Q4 2016		State:		
Project Type:	EH&S Co	mpliance				
Will project replace/retir	e any assets:	Yes				
Previously Requested:						
This Request:	\$327,637					
Still to be Requested:		EL ANDREAD				
Total Project Budget: escription: urchase and installation of the 130kW diesel generator with Underground 3-phase 480V e Badio transmitter & nanel at 1	sub-base double-wa electric service	at Des Pinar Well 2. Iled fuel tank with au	A: tomatic transfe	r switch		
escription: urchase and installation of the 130kW diesel generator with	following equipment sub-base double-wa electric service Wells 1, 1A and 2A /ells 1, 2 and 2A pun s Pinar WTP. following equipment Well 2A and LS A-1	lled fuel tank with au np headers t at Des Pinar Lift Sta	tomatic transfe ation A-1:			
escription: urchase and installation of the 130kW diesel generator with Underground 3-phase 480V of Radio transmitter & panel at 1 4-20mA meter registers on W Ace Motorola RTU at the Des- urchase and installation of the 480VAC conducters between	following equipment sub-base double-wa electric service Wells 1, 1A and 2A /ells 1, 2 and 2A pun s Pinar WTP. following equipment Well 2A and LS A-1 ing 240VAC control	lled fuel tank with au np headers t at Des Pinar Lift Sta panel (installed in 19	tomatic transfe ation A-1: 198) will be retir	ed.	the rate cas	se to be filed in
escription: urchase and installation of the 130kW diesel generator with Underground 3-phase 480V e Radio transmitter & panel at 1 4-20mA meter registers on W Ace Motorola RTU at the Des urchase and installation of the 480VAC conducters between 480V control panel. The exist	following equipment sub-base double-wa electric service Wells 1, 1A and 2A /ells 1, 2 and 2A pun s Pinar WTP. following equipment Well 2A and LS A-1 ing 240VAC control	Iled fuel tank with au np headers t at Des Pinar Lift Sta panel (installed in 19	tomatic transfe ation A-1: 198) will be retir	ed.		se to be filed in (If applicable)



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

1. The Des Pinar WTP serves the east side of the Sanlando water system. There are four (4) wells that supply water to the WTP but currently only Well 2 is backed up by the WTP's auxiliary generator. Installing a generator at Well 2A will provide additional water supply in the event of a local or widespread power outage. Lift Station A-1 is located within 150 feet of Well 2A and is one of two lift stations that pump raw sewer flow from subdivisions on the east side of I-4 to the Wekiva WWTF. The electric service from Well 2A will be extended to LS A-1 to provide back up power to the lift station from the new generator.

2. LS A-1's control panel will be upgraded from 240V to 480V to match the output voltage of the new generator. The existing submersible sewage pumps will be rewired to 480VAC and remain in service.

3. A radio transmitter will be installed at Well 2A site to connect to the Des Pinar WTP's master controller. Wells 1, 1A and 2 will be outfitted with panels and radio transmitters in order to communicate with the Des Pinar WTP's control equipment and Wekiva SCADA.

A new 4-20 mA meter register will be installed at Wellsl 1, 2, and 2A. Well 1A is already set up with similar equipment.
 A new Ace Motorola Remote Telemetry Unit (RTU) with cellular communication features will be installed at the Des Pinar WTP that will be linked to the existing Wekiva SCADA system.

6. These improvements will provide auxiliary power to two critical facilities at Des Pinar and thus allow for monitoring of the Des Pinar site at Wekiva as well as remote monitoring through the VPN connection. The existing C&A alarm panels will be replaced by the SCADA system, which will provide a more robust, bi-directional control system that will enhance the performance and reliability of the equipment and consequently reduce the risk of loss of water and/or sewer service to our customers during abnormal events.

#### **Risk Evaluation**

Well 1A produces 2,300 gpm while Well 2 produces 1,000 gpm. By providing auxiliary power to Well 2A (800 gpm output), the Des Pinar WTP will be supplied by the combined output from two large wells in the event of a power outage in the area. This will reduce the risk of a loss of water service and fire flow during storm events or other abnormal scenarios. Providing the means to supply emergency power immediately to LS A-1 will prevent SSOs from occurring that would otherwise happen during a widespread outage. Historically, loss of power to LS A-1 occurs frequently each month albeit for short time intervals.

The switch from C&A alarm panels to SCADA for alarm monitoring will provide a quicker response time and assist in reducing the duration and frequency of water plant outages.

#### Alternatives Considered:

If nothing is done to provide auxiliary power, the potential exists for SSOs to occur resulting in property damage and negative environmental impact. Additionally, a loss of normal power offers the risk of the utility being unable to supply potable water and fire flow to its customers under abnormal circumstances.

#### **Technical Review Summary:**

The project was submitted and discussed with the CPRT on 5/26/16 without any revisions or additions.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	327,637					
Project Spend in Current Plan	327,637					
Variance	-				-	(if applicable)
CIAC Collected Net Rate Base	327,637	327,637	327,637	327,637	327,637	(ii applicable)
	021,001	021,001	021,001	0211001		
O&M Cost Impact B/(W)						
Financial Justification						
rmancial Justification	1100					
			Served	Rate Pavere		
Estimated Devenue	Custores			Rate Payers		
Estimated Revenue Impact per Number of Customers Impact		-	(3.28)	(3.28)		
Number of Customers Impact		L	11,023	11,102		
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)			*	-		-
Depreciation Impact on EBIT B/(	(W)	(6,553)	(13,105)	(13,105)	(13,105)	(13,105)
Under-recovery on capital B/(W)		(12,041)	(23,098)	(22,115)	(21,133)	(20,150) (33,255)
Net EBIT Impact B/(W)		(18,593)	(36,204)	(35,221)	(34,238)	(33,233)
Timing and Supporting Inform	ation on Rate	Recovery				
This is a proforma project to be i			e filing.			
					1.2.2.2.2.20	
					al vice	
	egion's 2016 ca	apital plan.	1		al war	
	egion's 2016 ca	apital plan.				
Regulatory Plan Implications This project is included in the Re	egion's 2016 ca	apital plan.				
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Bid	Company			Amount	Selected
1	Thompson Electric			\$242,917	Yes
2	Chinchor Electric			\$329,548	No
3	North Lake Electric			No bid	No
Component:	A	mount			
Value Bid Elements		242,917.00			
Engineering	4				
Direct Purchase of Parts / Ma					
Landscaping / Site Restoration	n				
Other Components (specify): Cap Time					
ScadaOne (Equipment/RTU/I	ntegration)	82,220.00			
Avanti (Meter and Meter regis		2,500.00			
avanti (meter and meter regis		2,000.00			
Total Project Budget		327,637.00		Budgetion General II	
Object Account(s) to whi	ich project will be closed:		1105	Electric Pump	Equip Wtp
object Account(o) to min	on project nin se closed.		1200	Power Operat	
				select from dr	
				select from dr	
				select from dr	
					erence List
General Comments:					and the are hid
This project was bid out to four	(4) electric contractors but onl	y two bids we	re received. BNP	Electric failed to at	tend the pre-bid
This project was bid out to four meeting on site and did not sul	(4) electric contractors but onloading the sector of the s	y two bids we chose not to l	re received. BNP bid the project, ap	Electric failed to at parently due to their	r current work load
This project was bid out to four	r (4) electric contractors but onl bmit a bid. North Lake Electric	ly two bids we chose not to l	re received. BNP bid the project, ap	Electric failed to at parently due to their	r current work load
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Utilities, Inc. 

Approvals

EAM Prime Review Review Completed by	Nate Carver	Date:	5/26/2016	
Does project align with utility p Comments	plan and meet technical requirem	ents? Ye	es 🛛 No 🗌	
Technical Peer Review Review Sponsored by	Patrick Flynn	Date Held	5/26/2016	
	Yes No cereived in review incorporated) ustification to document the prude	ency and timeli	ness of the project	t.
FP&A Review Review Completed by Does Project comply with curr Comments	Christie Kincaid rent Utility Rate and Regulatory P	Date: lan? Ye	5/27/2016 es	
Approvals				Applicable?
Regional Manager:	Bryan K. Gongre	Date:	5/26/2016	
VP Operations:	Patrick C. Flynn	Date:	5/27/2016	
	John P. Hoy	Date:	5/31/2016	
President:	John P. Hoy			
				in the second
President: Approval or Re-Direction Co				

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## EXHIBIT PCF-31

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida8



## ADD-CHANGE FORM

	Change?	New Project	Assigned Project #:	None
Requested by:	Michael Wilson Project Manager / A		Date:	12/1/2015
Project Name:	TV 401 8th Ave	e GSM Ph 2		
Company:	241	Tierra Verde Utilities Inc		
Business Unit:	241100	Tierra Verde Utilities Inc	BU Type:	SP
Project Owner:	Patrick Flynn			John Hoy
Project Manager:	Michael Wilson	1	Budget Owner / RVP:	
Start Date:	2/1/2016	Q1 2016	Region:	Florida
Estimated End Date:	3/30/2016	Q1 2016	State:	FL
Project Type:	EH&S Co	mpliance		
Will project replace/ret	ire any assets:	Yes		
Previously Requested:				
This Request:	\$47,300			
OUTILA LA D		and the second		
Still to be Requested: Total Project Budget:	\$47,300	I		
Total Project Budget: escription: nase 1: In February 2015 app cavation and installation of t 15LF of the original piping.	proximately 28LF of 8 he new pipe a belly w	" gravity sewer pipe failed and require ras found further downstream of the n s executed at that time. The first phas	new pipe resulting in the addition	nal replacement
Total Project Budget: escription: mase 1: In February 2015 app cavation and installation of t 15LF of the original piping. O placement. mase 2: As a result of the exc placement. However, the pre as initiated in February 2016 avity main was replaced with	proximately 28LF of 8 he new pipe a belly w Change Order #1 was cavation done in Phas esence of several larg to correct the remain 1 8" SDR 26 PVC sew	as found further downstream of the n	ew pipe resulting in the addition e of this project resulted in a tol pipe had failed and would requ before proceeding with the nex In Phase 2, approximately 40L	hal replacement tal of 43LF of pipe hire removal and t phase. Phase 2 F of 8" VCP
Total Project Budget: escription: hase 1: In February 2015 app cavation and installation of t 15LF of the original piping. O placement. hase 2: As a result of the exc placement. However, the pre as initiated in February 2016 avity main was replaced with	proximately 28LF of 8 he new pipe a belly w Change Order #1 was cavation done in Phas esence of several larg to correct the remain 1 8" SDR 26 PVC sew	as found further downstream of the n s executed at that time. The first phas the 1, it was determined that additional to sea grape trees generated a delay ing issues found with this gravity line. ver pipe including the dewatering of th	ew pipe resulting in the addition e of this project resulted in a tol pipe had failed and would requ before proceeding with the nex In Phase 2, approximately 40L	hal replacement tal of 43LF of pipe hire removal and t phase. Phase 2 F of 8" VCP
Total Project Budget: escription: mase 1: In February 2015 app cavation and installation of t 15LF of the original piping. O placement. hase 2: As a result of the exc placement. However, the pre as initiated in February 2016 avity main was replaced with istomer's driveway, and resto	proximately 28LF of 8 he new pipe a belly w Change Order #1 was cavation done in Phas esence of several larg to correct the remain n 8" SDR 26 PVC sew poration of the affected	as found further downstream of the n s executed at that time. The first phas the 1, it was determined that additional to sea grape trees generated a delay ing issues found with this gravity line. ver pipe including the dewatering of th	ew pipe resulting in the addition e of this project resulted in a tot pipe had failed and would requ before proceeding with the nex . In Phase 2, approximately 40L te site, the removal and replace	hal replacement tal of 43LF of pipe nire removal and t phase. Phase 2 F of 8" VCP ment of a
Total Project Budget: escription: mase 1: In February 2015 app cavation and installation of t 15LF of the original piping. O placement. hase 2: As a result of the exc placement. However, the pre as initiated in February 2016 avity main was replaced with istomer's driveway, and resto	proximately 28LF of 8 he new pipe a belly w Change Order #1 was cavation done in Phas esence of several larg to correct the remain n 8" SDR 26 PVC sew poration of the affected	as found further downstream of the n a executed at that time. The first phas as 1, it was determined that additional be sea grape trees generated a delay ing issues found with this gravity line. ver pipe including the dewatering of th a customer's landscaping materials.	ew pipe resulting in the addition e of this project resulted in a tot pipe had failed and would requ before proceeding with the nex . In Phase 2, approximately 40L te site, the removal and replace	hal replacement tal of 43LF of pipe nire removal and t phase. Phase 2 F of 8" VCP ment of a



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

Phase 1: A portion of the original 8" VCP gravity main on 8th Avenue has had previous blockages and backups occur due to a partially collapsed section of the 8" sewer pipe. Video inspection of the main from both the upstream and downstream manholes indicated that a 43 foot long section of pipe had failed. At some point in the past and before the Utility's ownership of the system, a cured in place pipe (CIPP) repair was made to this section of gravity sewer main made up of both VCP and PVC pipe materials. However, the full extent of the pipe failure could not be determined until actually excavating and exposing the pipe because a video camera would not pass through the pipe.

Phase 2: While completing the initial work described as Phase 1, the original VCP pipe was found to have failed both upstream and downstream of the original point repair over a distance of an additional 40LF. The excavation of this additional pipe was delayed due to conflicts with a customer's extensive landscaping. After having developed a plan to address the conflicts within the project envelope, Phase 2 will include the removal and replacement of the 40LF of failed pipe, which will restore the hydraulic capacity of the pipe, establish a proper slope from manhole to manhole, allow the pipe segment to be fully cleaned and video inspected from end to end, and provide reliable sewer service to the affected customer without fear of a backup or sewer spill.

#### **Risk Evaluation**

Without correcting this issue, sanitary sewer overflows and possible sewer backups into residences likely will occur. Tierra Verde is an island community on the gulf coast of Florida south of St. Petersburg. The collapsed sewer main is within 200 yards of gulf waters. In the event of a sewer spill, the raw wastewater would likely be conveyed directly to gulf waters since the stormwater conveyance system in the area does not contain retention ponds.

#### Alternatives Considered:

Previous attempts to ream out the CIPP pipe so as to allow another attempt at CIPP techniques was unsuccessful.

#### **Technical Review Summary:**

The initial project scope and cost did not exceed the minimum requirements for technical review by the technical review team. However, as the defiencies became visible after excavation the project grew in scope to require additional project elements and expenditures.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	47,300		Λ			
Project Spend in Current Plan	47,300					
Variance	and the		-	-		
CIAC Collected		17.000	17.000	17.000	17.000	(if applicable)
Net Rate Base	47,300	47,300	47,300	47,300	47,300	
D&M Cost Impact B/(W)			1			
Financial Justification						
		-		Rate Payers		
Estimated Revenue Impact per			(4.4)	(4.4)		
Number of Customers Impact	ed:		1,044	1,044		
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		-	-	-		-
Depreciation Impact on EBIT B/(		(690)	(1,183)	(1,183)	(1,183)	(1,183)
Under-recovery on capital B/(W)		(2,039)	(3,407)	(3,318)	(3,230)	(3,141)
Net EBIT Impact B/(W)		(2,729)	(4,590)	(4,501)	(4,412)	(4,324)
Timing and Supporting Inform	ation on Rate	Recovery				
The project will be identified as a	a pro forma in t	the upcoming of	consolidated L	JIF filing that is	expected to a	occur no later than 9/30/16.
				idated LIIE rat	e filing.	
Regulatory Plan Implications Capital recovery will occur follow	ving the comple	etion of the upo	coming consol	Idaled OF Tak	- III I J	
	ring the comple	etion of the upo	coming consol		<b>.</b>	
Capital recovery will occur follow	ring the comple	etion of the upo	coming consol		g	



Bid	Company			Amount	Selected
	Environmental Equi	oment Sales, Inc.		\$47,300	Yes
2 3					
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mate Landscaping / Site Restoration Other Components (specify): Cap Time Phase 1, EESI		47,300.00		ected bid(s) above	
Total Project Budget Object Account(s) to whic	h project will be cl		anougi match Tob 1350	Sewer Gravity select from dro select from dro select from dro select from dro	Main/Manholes opdown list opdown list
General Comments:				select from dro	
The cost of the work done in Ph three bids. The selected contrac budget. The Phase 2 cost is in li in Phase 1 because EESI is alre mobilization/demobilization to an	tor has completed ma ne with costs incurred ady familiar with the s	ny projects for the Ut for similar work. The	ility previously w same contracto	ith satisfactory result or will be used in Pha	s and within se 2 as was used

Utilities, Inc. "((

Approvals

EAM Prime Review Review Completed by Does project align with utility pla Comments	in and meet technical requireme	Date: ents? Ye	es 🗌 No 🗌	
Technical Peer Review Review Sponsored by Approval to proceed Comments (note if feedback req No technical peer review require review.	Yes No	Date Held eed the minimu	um threshold for te	echnical peer
FP&A Review Review Completed by Does Project comply with curren Comments	Christie Kincaid ht Utility Rate and Regulatory PI	Date: an? Ye	5/4/2016 es 🗸 No 🗌	
Approvals				Applicable?
Regional Manager:	Michael A. Wilson	Date:	2/25/2016	
VP Operations:	Patrick C. Flynn	Date:	2/25/2016	
President:		Date:		
Approval or Re-Direction Con		A Chine Ta		
This project's cost does not exc straightforward.	eed the minimum threshold that	requires tech	nical review. The p	project scope is

# ENVIRONMENTAL EQUIPMENT SALES, INC.

Site Development/Water & Wastewater Systems/Underground Utilities/Industrial Construction

State Certified General Contractor #CG-CC	Post Office Box 2459 Riverview, FL 33568 (813) 677-6877 Phone 061731 (813) 677-2605 Fax	Page No. <u>1</u> of <u>1</u> Pages PROPOSAL #1413
PROPOSAL SUBMITTED TO	PLIONE	November 19, 2014
MID-COUNTY UTILITIES, INC. Tierra Verde Utilities, Inc.	JOB NAME:	eplacement of Collapsed 10"
street: 200 Weathersfield Avenue CITY/state/ZIP:	STREET. 4TH STREET WES	STR 8 TH AUE.N. SE QUADRANT
Altamonte Springs, FL 32714	Tierra Verde	FL
Michael Wilson, Regional Manager		om
<ol> <li>Videotape existing conditions prior</li> <li>Videotape existing conditions prior</li> <li>Locate existing utilities.</li> <li>Set up Maintenance of Traffic.</li> <li>Set up well points for dewatering u</li> <li>Provide bypass via on-site tank trulocation determined by UI personn</li> <li>Provide trench shoring.</li> <li>Provide pavement protection with t</li> <li>Excavate down to sewer main repair</li> <li>Replace 28lf of 10" PVC SDR35 set</li> </ol>	uck. Assumes 1 day use only. Bypass wa nel. tracking plywood. air. ewer main and attach to existing clay pipe w on by encasing in FDOT 57 pipe bedding ma	er work is completed. ste to be disposed of into UI system at
<ol> <li>Does not include any jet rodding, cleaning vacuul</li> <li>Does not include any permits or permit fees,</li> <li>Does not include any engineering surveying or o</li> </ol>	geotechnical testing/materials testing being useable for structural/pavement areas and trench backfill nent restoration	
QUOTE-Work to be completed in accord Hundred Seventy-Three Dollars and 00/100	Jance with the above specifications for the 0 (\$29.973.00) with Terms: Net 10 Days.	sum of: Twenty-Nine Thousand Nine

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above and estimate. All agreements are contingent upon strikes, accidents or delays at beyond our control. This proposal subject to acceptance within <u>15</u> days and is void thereafter at the option of the undersigned. Definquency charges of 1%% per month will apply for all delinquent invoices. Collection fees for delinquent accounts, including attorney/collection agency fees and expenses incurred by Environmental Equipment Sales. Inc. are the responsibility of the customer.

## ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be n

made as outlined above.	
ACCEPTED	Signature:
Date: 2/3/15	PATRICK C FLYNN, V.P.
Date: 2/4/15	Signature: Brian K. Spicher, President Environmental Equipment Sales Inc.

## CHANGE ORDER

erra Verde Sewer Repair	Change Order Number:			
		1	OWNER	XX
	Date	February 4, 2015	ENGINEER	
	12 12 420		CONTRACTOR	XX
AND THE PROPERTY OF THE PROPER	Contract For:	Sewer Repair	FIELD	
Environmental Equipment Sales, Inc.	Contract Date:	February 3, 2016		
PO Box 2459, Riverview, FL 33568	Project Numbers:	rebiuary 3, 2013	OTHER	
	erra Verde Sewer Repair th Street West and 8th Avenue North E Quandrant erra Verde, FL Environmental Equipment Sales, Inc. PO Box 2459, Riverview, FL 33568	th Street West and 8th Avenue North Date E Quandrant erra Verde, FL Contract For: Environmental Equipment Sales, Inc. Contract Date:	th Street West and 8th Avenue North Date: February 4, 2015 E Quandrant erria Verde, FL Contract For: Sewer Repair Environmental Equipment Sales, Inc. Contract Date: February 3, 2015	th Street West and 8th Avenue North Date February 4, 2015 ENGINEER E Quandrant Contract For: Sewer Repair FIELD Environmental Equipment Sales, Inc. Contract Date: February 3, 2015 OTHER

Upon setting of well points and excavating sewer line, determined there is approximately S-7" dip in the existing gravity sewer line where a repair has been attempted before. This will require us to go an additional 1S feet underneath the driveway to the edge of the tree line to attach new pipe to in proper condition at more appropriate elevation.

<ol> <li>Cut and remove 16'x11' section of concrete driveway at 401 8th Avenue North and dispose of off site.</li> <li>Install additional 20lf of wellpoint header and points to run overnight.</li> <li>Excavate down to existing pipe under driveway and determine if at proper elevation and sufficient condition to connect new pipe terform West Manhole to that point for a total of 43feet of new gravity sewer installation.</li> </ol>	AMOUNT: \$900.00 \$1,525.00 \$2,700.00
4) Backfill and compact. Form and pour 300Cpsi 4" thick concrete driveway reinforced with commercial fiber. Strip forms, fine grade and resod.	\$2,275.00

 The Original Contract Sum was \$29,973.00

 The net change by previously authorized Change Orders
 \$0.00

 The Contract Sum prior to this Change Order was
 \$29,973.00

 The Contract Sum will be increased by this Change Order in the amount of \$7,400.00
 The new Contract Sum including this Change Order will be \$37,373.00

WHE COUNTY UTilities Inc. I IERRA VERDE UTILI	ITTES TWC Environmental Equipment Sales, Inc.
	CONTRACTOR
200 Weathersfield Avenue	PO Box 2459
Altamonte Springs, FL 32714	Riverview, FL 33568
ACORESS	ADDRESS
PATRICK C. FLYNN	
Vame/Title	Brian Spicher, President
vamerine of the	Name/Title
Satural Colona	The light
Signature	ma your
1.1	Signature
2/4/15	2/19/15
Date	2/1/13
	Date



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

## Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731

**INVOICE #79046** February 6, 2015

Attn: Accounts Payable UTILITIES, INC 2335 Sanders Road Northbrook, IL 60062

RE: Tierra Verde – Sewer Repair and Replacement of Collapsed Sewer Main PO#179443 BU#241100

Ordered by: Patrick Flynn Tierra Verde Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

2/6/15: Completion of work per Contract #1413 signed 2/3/15 and Change Order #1 signed 2/4/15.
Obtained Fire Hydrant Water Meter and located existing utilities
Setup MOT and Wellpoint Dewatering System
Provided Bypass via onsite tank truck
Sawcut, removed and disposed of concrete driveway
Excavated and replaced damaged sewer line
Stabilized sewer pipe with #57 pipe bedding material
Backfilled, compacted and graded disturbed areas
Formed and poured concrete driveway
Installed St Augustine sod on disturbed areas

TOTAL AMOUNT DUE THIS INVOICE: \$37,373.00 TERMS: Due Upon Receipt

Bria, Jako 2/4/15

# ENVIRONMENTAL EQUIPMENT SALES, INC.

Site Development/Water & Wastewater Systems/Underground Utilities/Industrial Construction

Dage No

	Post Office Box 2459 Riverview, FL 33568 313) 677-6877 Phone 313) 677-2605 Fax	of Pages PROPOSAL #1431-2
PROPOSAL SUBMITTED TO:	PHONE: 407-468-3268	February 18, 2016
TIERRA VERDE UTILITIES, INC.	Sewer Repair and F Gravity Sewer	Replacement of Damaged 8"
200 Weathersfield Avenue	401 8 <sup>th</sup> Avenue Nor	th
Altamonte Springs, FL 32714	Tierra Verde	STATE: FL 33715
Michael Wilson, Regional Manager	MAWilson@uiwater	

We propose to furnish all labor, material and equipment necessary to repair and replace 40lf of damaged and/or collapsed 8" sewer gravity. This pipeline replacement is to replace collapsed or failing section of pipe and we are installing the new pipe to existing pipe elevations and gradient that we have to work with. It is not a total replacement and we cannot guarantee that the existing pipe has adequate gradient and/or is of proper size for the application.

Work to Proceed as Follows:

- 1) Videotape existing conditions prior to starting work and restored conditions after work is completed.
- 2) Locate existing utilities.
- 3) Set up Maintenance of Traffic.
- Set up well points for dewatering using Quiet-Pak Diesel Pump.
- 5) Provide bypass via on-site tank truck. Assumes 1 day use only. Bypass waste to be disposed of into UI system at location determined by UI personnel.
- 6) Provide trench shoring. Provide pavement protection with tracking plywood.
- 7) Sawcut and remove section of concrete driveway at 401 8th Avenue to allow for sewer replacement. Dispose of offsite
- 8) Remove Sea Grape Trees between driveway and on the West side of driveway. Store on empty lot on the corner of Monte Christo Boulevard and 4<sup>th</sup> Street for reinstallation upon completion.
- 9) Excavate down to damaged gravity sewer.
- 10) Replace 40lf of 8" PVC SDR26 gravity sewer and attach to existing clay pipe with Fernco adapters.
- 11) Stabilize sewer pipe and excavation by encasing in FDOT 57 pipe bedding material.
- 12) Backfill, compact and grade.
- 13) Repair or replace sprinkler system components to re-establish coverage of area. Replace sod in affected areas.
- 14) Form and pour 3000psi 4" thick concrete driveway reinforced with commercial fiber. Strip forms.
- 15) Reinstall removed Sea Grape Trees.
- 16) Cleanup and demobilization.

The phone prince analysis

#### NOTES

- Any adjustments/removal or location/relocation of existing utilities, which may conflict with proposed work not included.
- Does not include any jet rodding, cleaning, vacuuming or video inspection of any sewer lines Does not include any permits or permit fees
- 1
- 51
- Does not include any engineering, surveying, or geotechnical testing/materials testing. This proposal is based on all onsite cut material being useable for structural/pavement areas and trench backfill Does not include any work in pavement or pavement restoration.
- Does not include any disposal of hazardous, contaminated, or unsuitable materials.

QUOTE-Work to be completed in accordance with the above specifications for the sum of: Forty-Seven Thousand Three Hundred Dollars and 00/100 (\$47,300.00) with Terms: Net 10 Days.

All material is guaranteed to be as specified. All work to be completed in a workmanike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above and estimate. All agreements are contingent upon strikes, accidents or delays at beyond our control. This proposal accounts including attempt/collection agency fees and expenses incurred by Environmental Equipment Sales, Inc. are the responsibility of the customer.

ACCEPTANCE OF PROPOSAL

above ACCEPTED/	Signature: While ( ) Signature: Signatur	yment will be made as outlined
Date: 2/29/14	Print Name & Title DILSON / BEG. MGR	
Date: 2/29/16	Signature:	
	Environmental Equipment Sales Inc.	



P.O. Box 2459 Riverview, FL 33569 Phone: (813) 677-6877 Fax: (813) 677-2605

## Water&WW Systems/Underground Utilities/Site Work/Industrial Construction State Certified General Contractor CG-C061731

## **INVOICE #79153** March 8, 2016

Attn: Accounts Payable UTILITIES, INC 2335 Sanders Road Northbrook, IL 60062

RE: Tierra Verde – Sewer Repair and Replacement of Damaged 8" Gravity Sewer PO# BU#

Ordered by: Michael Wilson Tierra Verde Utilities, Inc. 200 Weathersfield Avenue Altamonte Springs, FL 32714

3/8/16: Completion of work per Contract #1431-2 signed 2/29/16.
Obtained Fire Hydrant Water Meter and located existing utilities Setup MOT and Wellpoint Dewatering System Provided Bypass via onsite tank truck Remove Sea Grape Trees and store for reinstallation Sawcut, removed and disposed of concrete driveway Excavated and replaced damaged sewer line Stabilized sewer pipe with #57 pipe bedding material Backfilled, compacted and graded disturbed areas Formed and poured concrete driveway Reinstalled Sea Grape Trees Installed St Augustine sod on disturbed areas

## TOTAL AMOUNT DUE THIS INVOICE: \$47,300.00 ERMS: Due Upon Receipt

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## EXHIBIT PCF-32

## OF

## PATRICK C. FLYNN

## on behalf of

## Utilities, Inc. of Florida8



### ADD-CHANGE FORM

	Change?	New	Project	Assigned Proje	ect#
Requested by:	Bryan K. Gongi Project Manager / A			D	ate: 8/16/2016
Project Name:	Crescent Hts V	VM Replacem	nent		
Company:	252	Utilities Ind	c of Florida		
Business Unit:	252123	Crescent	Heights	BU Type:	WP
Project Owner:	Patrick C. Flyni	n		Budget Owner / R	
Project Manager:	Bryan K. Gong	re		Region:	Florida
Start Date:	9/5/2016	Q3 2016		State:	FL
Estimated End Date:	3/31/2017	Q1 2017		Glate.	
Project Type:	Mainter	nance			
Will project replace/retir	e any assets:	Yes			
Previously Requested:					
This Request:	\$1,805,518				
Still to be Requested:					
	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				
Total Project Budget: Description: Remove and replace the followi A. 1,800 LF of 2" galvanized wa		ated within the	Orange County right-c	of-way:	
Description: Remove and replace the followi A. 1,800 LF of 2" galvanized wa B. 10,700 LF of 4" asbestos cen C. 1,600 LF of 6" asbestos cen D. 6 each 2" gate valves E. 19 each 4" gate valves E. 3 each 4" gate valves G. 5 each 2" blow offs H. 293 water services I. 140 driveway sections	ng items that are loc Iter main nent water main	ated within the	Orange County right-c	of-way:	
Description: Remove and replace the followi A, 1,800 LF of 2" galvanized wa B, 10,700 LF of 4" asbestos cer C, 1,600 LF of 6" asbestos cer D, 6 each 2" gate valves E, 19 each 4" gate valves E, 3 each 6" gate valves G, 5 each 2" blow offs H, 293 water services H, 140 driveway sections J, 150 LF of sidewalk Production of a right-of-way sur- nomenclature and format are in CEI services will be utilized to s	ng items that are loc iter main nent water main nent water main vey, an as-built surve	ey, right-of-way	v permitting and asset t	ables that are in conform	
Description: Remove and replace the followi A. 1,800 LF of 2" galvanized wa B. 10,700 LF of 4" asbestos cen C. 1,600 LF of 6" asbestos cen C. 1,600 LF of 9 asbestos C. 19 each 4" gate valves C. 19 each 6" gate valves C. 19 eac	ng items that are loc tter main ment water main ment water main vey, an as-built surve icluded. support rigth-of-way p	ey, right-of-way permitting, prod	v permitting and asset t luction of as-built draw	ables that are in conform	ing construction and
Description: Remove and replace the followi A. 1,800 LF of 2" galvanized wa B. 10,700 LF of 4" asbestos cer C. 1,600 LF of 6" asbestos cer D. 6 each 2" gate valves E. 19 each 4" gate valves G. 5 each 2" blow offs H. 293 water services I. 140 driveway sections J. 150 LF of sidewalk Production of a right-of-way sur nomenclature and format are in CEI services will be utilized to s contract bidding services. Timeline Considerations: This project is one of six water I timing. Engineering services ar The quantity of mains and servi	ng items that are loc iter main ment water main ment water main wey, an as-built surve icluded. support rigth-of-way p main replacement pr re completed and all ice lines being replace	ey, right-of-way permitting, prod ojects in Semin permits exclud ced requires a t	y permitting and asset f luction of as-built draw nole County and one in ing Seminole and Orai	tables that are in conform ings, field inspections dur Orange County that are nge County right-of-way h	ing construction and similar in scope and have been obtained.
Description: Remove and replace the followi	ng items that are loc iter main ment water main ment water main wey, an as-built surve icluded. support rigth-of-way p main replacement pr re completed and all ice lines being replace	ey, right-of-way permitting, prod ojects in Semin permits exclud ced requires a t	y permitting and asset f luction of as-built draw nole County and one in ing Seminole and Orai	tables that are in conform ings, field inspections dur Orange County that are nge County right-of-way h	ing construction and similar in scope and have been obtained.

#### **JUSTIFICATION / ALTERNATIVES**

#### Justification and Benefits:

Utilities. Inc.

The Crescent Heights water system serve 284 connections and was originally built in 1959 and is thus 57 years old. The system is comprised of Asbestos Cement (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints, particularly within the areas that have galvanized pipe material. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Orange County requires the Utility to remove all existing water mains located within their right-of-way except mains under county roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves in place at the appropriate location and configuration, staff will be able to isolate portions of the distribution systems when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, undirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

#### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers customer. Natrually occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels. By replacing the water mains, gate valves and service connections reliability will be greatly improved and water quality will be improved.

#### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

#### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Capital Plan Proposed Project Spend	Yr 1 1,805,518	Yr 2	Yr 3	Yr 4	Yr 5	
Project Spend in Current Plan	500,000					
ariance	(1,305,518)		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			
CIAC Collected	(1,000,010)					(if applicable)
Vet Rate Base	1,805,518	1,805,518	1,805,518	1,805,518	1,805,518	(ii applicable)
	The second s					
D&M Cost Impact B/(W)	I.V. C. C. C.		Charles Laterated			
inancial Justification		A CONTRACTOR			the state	
his project is a pro-forma includ	ed in the 2016 U	IF consolidated	rate case to be f	led in 3Q16.		
The second s	A CONTRACTOR		Contraction of the second	CALL ROOM	1.200	
			Served	Rate Payers		
Estimated Revenue Impact per	Customer:		(655)	(655.12)		
Number of Customers Impact			329	329		
riandor of outlothere impact						
Itility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
D&M Impact on EBITDA B/(W)	Г				- 1	
	W)	(45,138)	(90,276)	(90,276)	(90,276)	(90,276)
Depreciation Impact on ERIT R//		(33,007)	(125,258)	(118,487)	(111,716)	(104,946)
Depreciation Impact on EBIT B/(				(208,763)	(201,992)	(195,222)
Inder-recovery on capital B/(W)					(201,002)	(100,222/)
Inder-recovery on capital B/(W)	E	(78,145)	(215,534)	( in the second		
Jnder-recovery on capital B/(W) Net EBIT Impact B/(W)	L	(78,145)	(215,534)]			
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Under-recovery on capital B/(W) Net EBIT Impact B/(W) <b>Fiming and Supporting Inform</b> This project is a pro-forma includ	ation on Rate R	(78,145)				



Bid	Company			Amount	Selected
1	Traverse Group			\$2,017,553	No
2	Central Florida Tap	ping		\$1,795,660	Yes
3	ECO-2000			\$2,020,541	No
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mate Landscaping / Site Restoration Other Components (specify):	rials	1,795,660.00		inted bid(s) above	
Cap Time CPH Engineers (CEI, As Built,	ROW Permits)	9,858.00			
Total Project Budget		1,805,518.00	should match Tola	# Budget on General Inf	
Object Account(s) to whic	h project will be cl	osed:	1125	Trans & Distr M	lains
			1130	Service Lines select from dro select from dro select from dro <u>Go to Refe</u>	pdown list pdown list
General Comments:					

Utilities, Inc. 

Approvals

Does project align with utility plan and meet technical requirements? Yes No   Comments   This project aligns with the utility pland and meets UI technical requirements. <b>Technical Peer Review</b> Review Sponsored by   Patrick C. Flynn Date Held 8/25/2016   Approval to proceed Yes No   Comments (note if feedback received in review incorporated) <b>FP&amp;A Review</b> Review Completed by Bryan K. Gongre Date:   8/25/2016   Does Project comply with current Utility Rate and Regulatory Plan?   Yes   No   Approvals   Approvals   Regional Manager:   Bryan K. Gongre   Date:   8/25/2016   Persident:   Date:   8/25/2016	Lowow Completed by	Nate Carver	Date:	8/29/2016	
Comments This project aligns with the utility pland and meets UI technical requirements.  Technical Peer Review Review Sponsored by Patrick C. Flynn Date Held 8/25/2016 Approval to proceed Yes No  Comments (note if feedback received in review incorporated)  FP8A Review Review Completed by Bryan K. Gongre Date: 8/25/2016 Does Project comply with current Utility Rate and Regulatory Plan? Yes No  Comments  Approvals  Approvals  Applicable?  Regional Manager: Bryan K. Gongre Date: 8/25/2016  President: Date: 8/25/2016					
Technical Peer Review   Review Sponsored by   Approval to proceed   Yes   No   Comments (note if feedback received in review incorporated)   FP&A Review Review Completed by Bryan K. Gongre Date:   8/25/2016   Does Project comply with current Utility Rate and Regulatory Plan?   Yes   No   Comments   Approvals   Approvals   Regional Manager:   Bryan K. Gongre   Date:   8/25/2016   Opprovals   Patrick C. Flynn   Date:   8/25/2016   President:   Date:	Comments				
Review Sponsored by Patrick C. Flynn Date Held 8/25/2016   Approval to proceed Yes No Comments (note if feedback received in review incorporated)   FP&A Review Review Completed by Bryan K. Gongre Date:   8/25/2016 0   Does Project comply with current Utility Rate and Regulatory Plan? Yes   Yes No   Approvals   Approvals Applicable?   Regional Manager: Bryan K. Gongre   Date: 8/25/2016   YP Operations: Patrick C. Flynn   Date: 8/25/2016   President: Date:	This project aligns with the u	utility pland and meets UI technical i	requirements.		
Review Sponsored by Patrick C. Flynn Date Held 8/25/2016   Approval to proceed Yes No Comments (note if feedback received in review incorporated)   FP&A Review Review Completed by Bryan K. Gongre Date:   8/25/2016 0   Does Project comply with current Utility Rate and Regulatory Plan? Yes   Yes No   Approvals   Approvals Applicable?   Regional Manager: Bryan K. Gongre   Date: 8/25/2016   YP Operations: Patrick C. Flynn   Date: 8/25/2016   President: Date:					
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Review Sponsored by Patrick C. Flynn Date Held 8/25/2016   Approval to proceed Yes No Comments (note if feedback received in review incorporated)   FP&A Review Review Completed by Bryan K. Gongre Date:   8/25/2016 0   Does Project comply with current Utility Rate and Regulatory Plan? Yes   Yes No   Approvals   Approvals Applicable?   Regional Manager: Bryan K. Gongre   Date: 8/25/2016   YP Operations: Patrick C. Flynn   Date: 8/25/2016   President: Date:					
Approval to proceed Yes No   Comments (note if feedback received in review incorporated) <b>FP&amp;A Review</b> Review Completed by Bryan K. Gongre Date: 8/25/2016 Yes   No   Does Project comply with current Utility Rate and Regulatory Plan?   Comments <b>Approvals</b> Approvals   Regional Manager:   Bryan K. Gongre   Date:   8/25/2016   Yes   No   President:   Date:   8/25/2016   Patrick C. Flynn Date:   8/25/2016		Patrick C. Elvon	Date Held	8/25/2016	
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President: Date:	-pprotuio				
		Bryan K. Gongre	Date:	8/25/2016	
	Regional Manager:				
Approval or Re-Direction Comments	Regional Manager: VP Operations:		Date:		
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	Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
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	Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
	Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		

CENTRAL FLORIDE TAPPING

Utilities Inc. of Florida

Crescent Heights System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	50,633.00	50633.00
2	Preconstruction Video	LS	1	2,700.00	2,700.00
3	Project Layout and Utility Locates	LS	1	52,900.00	52,900.00
4	Utility Maintenance of Traffic	LS	1	21,985.00	21,895,00
Water Mai	n			New Lotters	······
5	Furnish & Install Service Connections	EA	293	1,155.00	338415.00
6	Furnish & Install 2" WM	LF	1,800	26.00	46,800.00
7	Furnish & Install 4" WM	LF	10,700	31.00	331 700.00
8	Furnish & Install 6" WM	LF	1,600	53.00	84,900,00
9	Furnish & Install Fittings	TON	3	5,900.00	17,700.00
10	Furnish & Install 2" Gate Valve	EA	6	795.00	4 770.00
11	Furnish & Install 4" Gate Valve	EA	19	1,190.00	22,610.00
12	Furnish & Install 6" Gate Valve	EA	3	1,350.00	4.050.00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	3 570.00	3 570.00
14	Furnish & Install 2" Blow Off	EA	5	1.765.00	8825.00
15	Remove and Replace Driveway	EA	140	2,010.00	261,40000
16	Remove and Replace Sidewalk	LF	150	56.00	\$400.00
Demolitio	n				
17	Remove Existing Water Main	LF	13,300	35.00	465 500,00
18	Remove Valve	EA	16	240.00	3. 840.00
	Subtotal				1,750,498,00
	Permit Fee (2.58%)				45,162.85
	Total Estimated Cost				1,795660.85

### Utilities Inc. of Florida **Crescent Heights System** Engineer's Bid Schedule CPH Project No. U07144 ITEM No DESCRIPTION UNIT QTY UNIT COST TOTAL COST 1 General Conditions 95000,00 LS 95000.00 1 2 Preconstruction Video LS 12500.00 1 12,500.00 3 Project Layout and Utility Locates LS 1 10 500.00 10 500.00 4 Utility Maintenance of Traffic LS 1 35000.00 35000.00 Water Main 5 Furnish & Install Service Connections EA 293 454.150.00 1550.00 Furnish & Install 2" WM 6 45,450.00 LF 1,800 25.25 Furnish & Install 4" WM 7 LF 10,700 294250.00 27.50 Furnish & Install 6" WM 8 LF 1,600 35.85 573100.00 9 Furnish & Install Fittings TON 3 7500.00 22500.00 10 Furnish & Install 2" Gate Valve EA 6 1100.00 6000.00 11 Furnish & Install 4" Gate Valve EA 19 23750.00 1250.00 12 Furnish & Install 6" Gate Valve EA 3 1750.00 5250.00 13 Furnish & Install 6" Tapping Sleeve and Valve EA 1 6500.00 6500.00 14 Furnish & Install 2" Blow Off EA 5 10.000.00 2000.00 15 Remove and Replace Driveway EA 140 3200.00 448000.00 16 Remove and Replace Sidewalk LF 150 25.00 3750.00 Demolition 17 Remove Existing Water Main LF 32.50 13,300 432250.00 18 Remove Valve EA 16 250.00 4000.00 Subtotal 1.966 810.00 Permit Fee (2.58%) 50 743.70 **Total Estimated Cost** 2,017.553.70

# Utilities Inc. of Florida

Crescent Heights System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$145,857.00	\$145,857.00
2	Preconstruction Video	LS	1	\$10,600.00	\$10,600.00
3	Project Layout and Utility Locates	LS	1	\$77,564.00	\$77,564.00
4	Utility Maintenance of Traffic	LS	1	\$60,104.00	\$60,104.00
Water Mai	n				
5	Furnish & Install Service Connections	EA	293	\$1,200.00	\$351,600.00
6	Furnish & Install 2" WM	LF	1,800	\$24.00	\$43,200.00
7	Furnish & Install 4" WM	LF	10,700	\$34.00	\$363,800.00
8	Furnish & Install 6" WM	LF	1,600	\$40.00	\$64,000.00
9	Furnish & Install Fittings	TON	3	\$2,000.00	\$6,000.00
10	Furnish & Install 2" Gate Valve	EA	6	\$650.00	\$3,900.00
11	Furnish & Install 4" Gate Valve	EA	19	\$1,523.00	\$28,937.00
12	Furnish & Install 6" Gate Valve	EA	3	\$1,850.00	\$5,550.00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	\$5,400.00	\$5,400.00
14	Furnish & Install 2" Blow Off	EA	5	\$1,890.00	\$9,450.00
15	Remove and Replace Driveway	EA	140	\$2,000.00	\$280,000.00
16	Remove and Replace Sidewalk	LF	150	\$15.00	\$2,250.00
Demolitio	n				
17	Remove Existing Water Main	LF	13,300	\$38.00	\$505,400.00
18	Remove Valve	EA	16	\$300.00	\$4,800.00
	Subtotal	_			\$1,968,412.00
	Permit Fee (2.58%)				\$52,129.96
	Total Estimated Cost				\$2,020,541.96

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1 <u>,</u> 178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

# UIF Water Main System Improvements Bid Results

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-35**

## OF

# PATRICK C. FLYNN

## on behalf of

# Utilities, Inc. of Florida8



## ADD-CHANGE FORM

Requested by:		New	Tojoot	Assigned Project	#
	Michael Wilsor Project Manager / A			Date	: 8/25/2016
Project Name:	Lake Tarpon W	VM Replacem	ents		
Company:	252	Utilities Inc	of Florida		
Business Unit:	252128	Lake Tarp	on W	BU Type:	WP
Project Owner:	Patrick C. Flyn	n			
Project Manager:	Michael Wilson	ı		Budget Owner / RVP:	John Hoy
Start Date:	9/15/2016	Q3 2016		Region:	Florida
Estimated End Date:	3/30/2017	Q1 2017		State:	FL
Project Type:	Mainte	nance			
Will project replace/ret	tire any assets:	Yes			
Previously Requested					
This Request:	\$41,125				
Still to be Requested:	\$758,875				
Total Project Budget:	\$800,000				
The initial request is to establi Remove and replace the follow	wing items:				
Remove and replace the follow A, 4,800 LF of 4" asbestos cer 5,000 LF of 6" asbestos cer 2,7,600 LF of 8" asbestos cer 2,5 each 2" blow offs 5, 344 water services 5, 11 Hydrants 6, 46 each 6" Gate Valves Engineering activities include	wing items: ment water main ment water main ment water main design, DEP permittin	g, right-of-way			asset tables that
	wing items: ment water main ment water main ment water main design, DEP permittin nomenclature and form o support right-of-way p	g, right-of-way s	survey, as-built survey,	right-of-way permitting, and	
Remove and replace the follow A,4,800 LF of 4" asbestos cer 5,000 LF of 6" asbestos cer 2,7,600 LF of 8" asbestos cer 5,7,600 LF of 8" asbestos cer 5, 2,600 LF of 8" asbestos cer 5, 44 water services 1, 11 Hydrants 6, 46 each 6" Gate Valves 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5	wing items: ment water main ment water main ment water main design, DEP permittin nomenclature and form o support right-of-way p ding services.	g, right-of-way s nat. bemitting, produ rojects in Pinell have been obta	survey, as-built survey, ction of as-built drawin as County and Pasco C sined. The quantity of n	right-of-way permitting, and gs, a limited number of field County that are similar in sco nains and service lines being	inspections during ppe and timing. g replaced requires
Remove and replace the follow A, 4,800 LF of 4" asbestos cer B, 5,000 LF of 6" asbestos cer C, 7,600 LF of 8" asbestos cer C, 600 LF	wing items: ment water main ment water main ment water main design, DEP permittin nomenclature and form o support right-of-way p ding services.	g, right-of-way s nat. bemitting, produ rojects in Pinell have been obta	survey, as-built survey, ction of as-built drawin as County and Pasco C sined. The quantity of n	right-of-way permitting, and gs, a limited number of field County that are similar in sco nains and service lines being	inspections during ppe and timing. g replaced requires



## JUSTIFICATION / ALTERNATIVES

### Justification and Benefits:

The Lake Tarpon water system serves 513 connections and was originally built in 1967. Thus, it is nearly 50 years old. The mains in this system are comprised of Asbestos Cement (AC) pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. We have previously replaced approximately 320 services and approximately 7,000 LF of 2" mains. We will continue to utilize the meters and dual check valves that are less than 10 years old and currently in use. This system consistently exceeds 20% unaccounted for water loss due to the AC piping deficiencies as well as possibly from undocumented irrigation taps. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR, of which the first two methods elevate the risk of a potential break.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves in place at the appropriate location and configuration, staff will be able to isolate portions of the distribution systems when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform once it is established that will provide GPS coordinates for asset maintenance.

## **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Naturally occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels above MCL's. By replacing the remaining original water mains, gate valves and service connections, reliability will be greatly improved, water quality will be improved and TTHM/HAA5 levels should be reduced.

## Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response activities outside of normal business hours, property damage, and restoration costs.

**Technical Review Summary:** 



**Financial and Regulatory Implications** 

Project Spend in Current Plan Variance CIAC Collected Net Rate Base 08M Cost Impact B/(W) Financial Justification Estimated Revenue Impact per Customer: Number of Customers Impacted: Utility Financial Impact Utility Finan	Project Spend in Current Plan           800,000         800,000         (if applicable)           CIAC Collected         800,000         800,000         800,000         800,000           Net Rate Base         800,000         800,000         800,000         800,000         800,000           O&M Cost Impact B/(W)	Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Variance CIAC Collected Net Rate Base       in indicators       (if applicable)         O&M Cost Impact B/(W)       indicators       (if applicable)         Financial Justification       indicators       indicators         Estimated Revenue Impact per Customer: Number of Customers Impacted:       indicators       indicators         Utility Financial Impact Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W) Net EBIT Impact B/(W)       indicators       indicators         Timing and Supporting Information on Rate Recovery       Timing and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.	Variance CIAC Collected Net Rate Base       in indicators       (if applicable)         06M Cost Impact B/(W)       indicators       (if applicable)         Financial Justification       indicators       indicators         Estimated Revenue Impact per Customer: Number of Customers Impacted:       indicators       indicators         Utility Financial Impact Depreciation Impact on EBIT B/(W) Under-recovery on capital B/(W) Net EBIT Impact B/(W)       indicators       indicators         Timing and Supporting Information on Rate Recovery       Timing and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.							
CIAC Collected Net Rate Base 800,000 800,00 800,	CIAC Collected (if applicable) Net Rate Base 800,000 800,000 800,000 800,000 800,000 000					A COLUMN	Contractor and	
Set Rate Base       800,000       800,000       800,000       800,000         OSM Cost Impact B/(W)	Set Rate Base       800,000       800,000       800,000       800,000         OSM Cost Impact B/(W)		-	-		-	-	(if applicable)
D&M Cost Impact B/(W)	D&M Cost Impact B/(W)		800.000	800.000	800.000	800.000	800.000	(ii applicable)
Financial Justification         Served Rate Payers         Estimated Revenue Impact per Customer:         Number of Customers Impacted:       Served Rate Payers         Dtility Financial Impact Dep Customers Impacted:       513         Dtility Financial Impact Dep Customers Impacted:       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         Depreciation Impact on EBIT Ds B/(W)       Depreciation Impact Dep Ds (W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)         Drade-recovery on capital B/(W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)         Drade-recovery on capital B/(W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)         Drade-recovery on capital B/(W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)       Depreciation Impact Ds (W)         Timing and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.	Financial Justification         Served Rate Payers         Estimated Revenue Impact per Customer:         Number of Customers Impacted:       Served Rate Payers         Dtility Financial Impact Dep Customers Impacted:       513         Dtility Financial Impact Dep Customers Impacted:       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         Ddpercelation Impact on EBIT Ds B/(W)       Depreciation Impact on EBIT B/(W)       Depreciation Impact on EBIT B/(W)       Depreciation Impact on EBIT B/(W)         Dreference very on capital B/(W)       Depreciation Impact on EBIT Ds/(W)       Depreciation Impact on EBIT Ds/(W)         Dreference very on capital B/(W)       Depreciation Impact on EBIT Ds/(W)       Depreciation Impact on EBIT Ds/(W)         Timing and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.			-	441.2			
Served Rate Payers         Served Rate Payers         Number of Customers Impacted:         Utility Financial Impact       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         O&M Impact on EBITD A B/(W)       -       -       -       -         Depreciation Impact on EBITD A B/(W)       -       -       -       -         Under-recovery on capital B/(W)       -       -       -       -         Net EBIT Impact B/(W)       -       -       -       -         Timing and Supporting Information on Rate Recovery       Training and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.	Served Rate Payers         Served Rate Payers         Number of Customers Impacted:         Utility Financial Impact       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         O&M Impact on EBITDA B/(W)       -       -       -       -         Depreciation Impact on EBITDA B/(W)       -       -       -       -         Under-recovery on capital B/(W)       -       -       -       -         Net EBIT Impact B/(W)       -       -       -       -         Timing and Supporting Information on Rate Recovery       Training and Supporting Information on Rate Recovery       This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.	D&M Cost Impact B/(W)	í					
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Number of Customers Impacted:       513         Utility Financial Impact       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         D&M Impact on EBITDA B/(W)       -       <	Number of Customers Impacted:       513         Jtility Financial Impact       Yr 1       Yr 2       Yr 3       Yr 4       Yr 5         D&M Impact on EBITDA B/(W)       -       -       -       -       -         Depreciation Impact on EBIT B/(W)       -       -       -       -       -         Juder-recovery on capital B/(W)       -       -       -       -       -         Net EBIT Impact B/(W)       -       -       -       -       -       -         Fining and Supporting Information on Rate Recovery       -       -       -       -       -         This project is a proforma included in the 2016 UIF consolidated rate case to be filed in 3Q16.       -       -       -       -	Estimated Revenue Impact pe	r Customer:	ſ	Served	Rate Payers		
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O&M Impact on EBITDA B/(W)       -       <	O&M Impact on EBITDA B/(W)       -       <				Teacher I and			
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					ited rate case	to be filed in 3	Q16.	
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Assumptions	Assumptions	Assumptions	14.5	ALLER				
Assumptions	Assumptions	Assumptions						

Utilities, Inc. BID INFORMATION AND BUDGET BREAKDOWN

Bid	Company			Amount	Selected
1	TBD				Contract
2					
3					
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mate Landscaping / Site Restoration Other Components (specify):		TBD			
Cap Time					
Kimley Horn Engineers (CEI, A ROW permitting)	s-Built drawings,	41,125.00			
Balance still to be broken dowr	1	758,875.00			
Total Project Budget		800,000.00	should match Total		
Object Account(s) to whic	h project will be c	losed:	1125	Trans & Distr I	Mains
			1130	Service Lines	
				select from dro	
				select from dro select from dro	
					erence List
General Comments:				So to nen	and the second a



Approvals

Review Completed by	Nate Carver	Date:	8/26/2016	
Does project align with utility	plan and meet technical requirem	ients? Ye	es 🗹 No 🗌	
Comments				
This project aligns with the ut	ility plan and meets UI technical r	equirements.		
Technical Peer Review				
Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No			
Comments (note if feedback i	received in review incorporated)			
FP&A Review				
Review Completed by		Date:		
	rent Utility Rate and Regulatory P	lan? Ye	es 🗌 No 🗌	
Comments				
Approvals				Applicable?
	Michael Wilson	Date:	8/26/2016	Applicable?
Regional Manager:	Michael Wilson Patrick C. Flynn	Date: Date:	8/26/2016 8/26/2016	
Regional Manager: VP Operations:				
Approvals Regional Manager: VP Operations: President: Approval or Re-Direction Co	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	8/26/2016	

# Kimley »Horn

February 1, 2016

Mike Wilson Utilities Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Re: Professional Services Agreement for Lake Tarpon Distribution System Water Main Replacement Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to <u>Utilities Inc. of Florida ("Client")</u> for providing design, permitting, and construction oversight services for the asbestos cement (AC) water main replacement within the Lake Tarpon service area.

## Project Understanding

- A. The Client has requested a proposal to provide design, permitting, and construction oversight services for the replacement of 4-inch, 6-inch, and 8-inch AC water mains throughout the Lake Tarpon mobile home park. The total length of water main replacement is approximately 15,000-LF. A preliminary opinion of probable cost for the replacement is estimated at \$725,000, which includes a 10% contingency. This preliminary cost estimate is based on the total length of pipe, approximately 200 new water services, which the utility will provide the meter and meter box, and the existing AC water main water main to be grouted and abandoned in place.
- B. The Consultant conducted a meeting with the Client to review the proposed water main replacement options. Three options were provided by the Client. The water main replacement options were evaluated to consider constructability, cost, right-of-way constraints, and maintaining service during construction. Through our review, Option 2 appears to be the most cost effective option and is the basis for design for this proposal. The hand sketch of Option 2 is included for reference. The proposed water main locations are subject to change depending on actual field conditions observed in the site walkthrough. It is anticipated that all water mains will be placed within County right-of-way.
- C. The right-of-way within the Lake Tarpon service area is controlled by Pinellas County. It is assumed that there is sufficient right-of-way to construct the water main replacement improvements not requiring acquisition of additional easements.
- D. It is assumed that water main improvements beyond those shown on the aforementioned exhibit will not be required.

## Scope of Services

### Task 1 – Construction Plans and Specifications

- A. The Consultant will coordinate with the Client to obtain the available record drawings of the existing infrastructure. It is also understood the Pinellas County previously had performed some sewer improvements within the park, and the Consultant will coordinate with the County to try and obtain these drawings for review.
- B. A preliminary layout of the existing and proposed water main will be developed on a 24"x36" plot,

655 North Franklin Street, Suite 150, Tampa, FL 33602

813-620-1460

# Kimley **Horn**

## Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

- Service Area information
- Record Drawings

## **Responsibilities of Client**

In addition to other responsibilities set out in this Agreement, the Client shall:

Access to the Site

## Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 3 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1Construction Plans and Specifications\$25,125.00Task 2Permitting (Includes Fee)\$3,500.00Task 3Bidding and Construction Services\$12,500.00

Total Lump Sum Fee

\$41,125.00

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

# **Kimley**»Horn

Utilities Inc. of Florida A Corporation

By: **President/Vice** President

(Date) (Print or Type Name

1.com @ Uiwa (Email Address

Attest: Secretary/Assistant Secretary P. JOHN Hoy (Print or Type Name)

30. Client's Federal Tax ID: Client's Business License No.: UIF-Semmons Co. LIC # 2786 Client's Street Address: 200 Weathersfield Avenue Altamonte Springs, FL 32714

Attachment - Request for Information Attachment - Standard Provisions **Request for Information** 

Please return this information with your signed contract

## **Client Identification**

Full, Legal Name of Client	Utilities I	nc. of	Florida	
Mailing Address for Invoices			field Avenue ings, FL 32714	
Contact for Billing Inquiries	Mike Wil			
Contact's Phone and e-mail	(407) 46	8-326	8 mawilson@uiwater.c	om
Client is (check one)	Owner	X	Agent for Owner	Unrelated to Owner

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

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# UIF Water Main System Improvements Bid Results

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-36**

## OF

## PATRICK C. FLYNN

## on behalf of

# Utilities, Inc. of Florida8



## ADD-CHANGE FORM

	Change?	New Project	Assigned Project #	ł:	
Requested by:	Bryan K. Gong		Date:	5/25/2016	
	Project Manager / A	rea manager			
Project Name:	UIF LW & JA E	Elect Imp & RTUs			
Company:	252	Utilities Inc of Florida			
Business Unit:	252104	Seminole Only Cost Center	BU Type:	он	
Project Owner:	Bryan K. Gong	re			
Project Manager:	Bryan K. Gong	re	Budget Owner / RVP:	John Hoy	
Start Date:	6/6/2016	Q2 2016	Region:	Florida	
Estimated End Date:	12/31/2016	Q4 2016	State:	FL	
Project Type:	EH&S Cor	mpliance			
Will project replace/retin	e any assets:	Yes			
Previously Requested:					
This Request:	\$238,230				
Still to be Requested:					
Total Project Budget:	\$238,230				
Description: .Ittle Wekiva WTP installation: I, Pump control panel with PLC					
Ittle Wekiva WTP installation: , Pump control panel with PLC Pressure monitoring panel, N Distribution panel, ceiling fixt Automatic air controls for hyd lansen WTP installation: Pressure monitoring panel, N (1) each 6" flow meter with 4-	Iercoid type ures, 120VAC wall re Iro tank operation. Iercoid type -20mA output at Well				
Ittle Wekiva WTP installation: 1. Pump control panel with PLC 2. Pressure monitoring panel, M 3. Distribution panel, ceiling fixth 4. Automatic air controls for hyd Jansen WTP installation: 5. Pressure monitoring panel, M 5. (1) each 6" flow meter with 4- 7. Automatic air controls for hyd Jansen Well 1, Oakland Shores	Iercoid type ures, 120VAC wall re Iro tank operation. Mercoid type -20mA output at Well Iro tank.	2 Id Plant and Bear Lake Plant production	on meters:		
Ittle Wekiva WTP installation: 1. Pump control panel with PLC 2. Pressure monitoring panel, M 3. Distribution panel, ceiling fixt 4. Automatic air controls for hyd Jansen WTP installation: 5. Pressure monitoring panel, M 6. (1) each 6" flow meter with 4- 7. Automatic air controls for hyd Jansen Well 1, Oakland Shores 8. Install 4-20mA output register Jansen, Bear Lake, Little Wekiv	Iercoid type ures, 120VAC wall re lro tank operation. Aercoid type -20mA output at Well lro tank. Well 1, Weathersfie r on existing flow met va, Weathersfield, Oa	2 Id Plant and Bear Lake Plant production	d Ravenna Park WTP's:		
Ittle Wekiva WTP installation: Pump control panel with PLC Pressure monitoring panel, M Distribution panel, ceiling fixth Automatic air controls for hyd Iansen WTP installation: Pressure monitoring panel, M (1) each 6" flow meter with 4- Automatic air controls for hyd Iansen Well 1, Oakland Shores Install 4-20mA output register Iansen, Bear Lake, Little Wekiv Install Ace Motorola RTUs co <b>Fimeline Considerations:</b> Project completion needs to occ	Iercoid type ures, 120VAC wall re lro tank operation. Aercoid type -20mA output at Well Iro tank. Well 1, Weathersfie r on existing flow met va, Weathersfield, Oa mpatible with and int	l 2 Id Plant and Bear Lake Plant production ters. akland Shores, Park Ridge, Phillips an	d Ravenna Park WTP's: ekiva Plant.	e rate case to be	
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Ittle Wekiva WTP installation: Pump control panel with PLC Pressure monitoring panel, N Distribution panel, ceiling fixth Automatic air controls for hyd Iansen WTP installation: Pressure monitoring panel, N (1) each 6" flow meter with 4- Automatic air controls for hyd Iansen Well 1, Oakland Shores Install 4-20mA output register Iansen, Bear Lake, Little Wekiv Install Ace Motorola RTUs co	Iercoid type ures, 120VAC wall re lro tank operation. Aercoid type -20mA output at Well Iro tank. Well 1, Weathersfie r on existing flow met va, Weathersfield, Oa mpatible with and int	I 2 eld Plant and Bear Lake Plant production ters. akland Shores, Park Ridge, Phillips an tegrated into SCADA equipment at We of the end of the 2015TY as a proforma	d Ravenna Park WTP's: ekiva Plant.	e rate case to be (If applicable)	



## JUSTIFICATION / ALTERNATIVES

## Justification and Benefits:

The electrical improvements at the Little Wekiva WTP will replace the 1970's electrical components that have outlived their service life making replacement parts increasingly difficult to find. The new control panel will provide a long service life, will meet current electrical code, and will improve the functionality and reliability of the facility as this is an isolated treatment plant without any alternative water supply available. The new PLC will be able to trend data and capture flow, pressure, chlorine residual at the POE, pH and water temperature of which the latter three parameters are required by DEP to meet 4-log virus removal requirements.

The electrical components to be replaced at Jansen WTP were also installed in the 1970's. A new water pressure monitoring panel will include a pressure transducer to capture operating pressures at the facility. There will be a new 6" flow meter installed with 4-20mA output to replace the Well #2 meter that recently failed it's meter accuracy test.

Ace Motorola RTUs will be installed at all eight (8) of the UIF WTPs in Seminole County and equipped with cellular modems to transmit data to the existing Wekiva SCADA system. This will provide a central monitoring location that can also be monitored remotely via a VPN connection at all hours. The existing C&A alarm monitoring equipment will be removed and stored for future use. Alarm calls will be routed directly to the on call operator eliminating the need for an employee to act as a dispatcher thus reducing reponse times.

4-20mA meter register heads will be installed at four (4) locations that will be landed in the existing PLCs at those locations to provide run conditions and flow totals. This information will be captured by the Wekiva SCADA for use in producing the Monthly Operating Reports for FDEP.

## **Risk Evaluation**

The Little Wekiva WTP is an isolated water plant and system with no alternative water supply available to provide service in the event of a mechanical or electrical failure. Upgrading the electrical components will decrease the chances of a failure of this nature.

The Jansen Well #2 meter no longer functions within the acceptable range of accuracy as required by the Consumptive Use Permit issued by SJRWMD and needs to be replaced to maintain compliance.

## Alternatives Considered:

The do nothing approach at Little Wekiva will result in more frequent outages over time resulting in a degradation of quality of service. The RTU installations could be delayed, but the benefit of expense reduction will not be realized. Delays in responding to alarms will continue to occur.

By not replacing the inaccurate flow meter at Jansen Well 2, the Utility would be out of compliance with the SJRWMD issued CUP. Therefore, no alternatives were considered.

Technical Review Summary:



Financial and Regulatory Implications

Capital Plan	Yr 1 238,230	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend Project Spend in Current Plan	238,230					
/ariance	200,200	22		1000	100 Lan	
CIAC Collected						(if applicable)
Net Rate Base	238,230	238,230	238,230	238,230	238,230	
DRM Coat Impact D//MD		1				
D&M Cost Impact B/(W)	C. T. WILLIAM	CALC INC.		Real Provide Pr		
Financial Justification		and the second	R. B. S. B. C.		William State	1.1.1.
Estimated Revenue Impact per Number of Customers Impact		[	Served I	Rate Payers		
Utility Financial Impact	31-901 Y	Yr 1	Yr 2	Yr 3	Yr4 Y	r 5
D&M Impact on EBITDA B/(W)			( <b>*</b> )	-	-	•
Depreciation Impact on EBIT B/	W)					
Under-recovery on capital B/(W) Net EBIT Impact B/(W)						
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Fiming and Supporting Inform			AL REAL	a nation 2	TLAND	Contra Martin Contra
This is a proforma project to be i	ncluded in the	2016 rate cas	e filing.			
	aion's 2016 -	nital plan				All Carton Marine
Regulatory Plan Implications		apital piali.				
Regulatory Plan Implications This project is included in the Re						
This project is included in the Re						
This project is included in the Re			1			



Bid 1	Company			Amount	Selected
	Thompson Electric	;		\$83,750	Yes
2	Chinchor Electric			\$152,239	No
3	North Lake Electric	0		No bid	No
	AS COMPANY				
component:		Amount			
alue Bid Elements		83,750.00			
ngineering					
Pirect Purchase of Parts / Mat					
andscaping / Site Restoration	n				
other Components (specify):					
ap Time					
cadaOne (Equipment/RTUs/		146,480.00			
vanti (Meter and Meter regis	ters)	8,000.00			
otal Project Budget		238,230.00		Budget on General In	
Object Account(s) to white	ch project will be c	losed:	1105	Electric Pump	Equip Wtp
				select from dro	pdown list
				select from dro	pdown list
				select from dro	
				select from dro	
				Go to Refe	Contraction of the second s
eneral Comments:					

Utilities, Inc. ((

Approvals

Review Completed by Does project align with utility p	lan and meet technical requirem	Date: ents? Yes No	
Comments			
Technical Peer Review			
Review Sponsored by	Patrick C. Flynn Yes 🗹 No 🔲	Date Held 5/26/2017	
	eceived in review incorporated)		
None.			
FP&A Review		Dutu	
Review Completed by Does Project comply with curr	ent Utility Rate and Regulatory P	Date: Plan? Yes No	
Comments			
Approvals			Applicable?
	Bryan Gongre	Date:	Applicable?
Regional Manager:	Bryan Gongre Patrick C. Flynn	Date: Date: 5/31/2016	
Approvals Regional Manager: VP Operations: President:		Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn		
Regional Manager: VP Operations:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date: 5/31/2016	



## ADD-CHANGE FORM

and the second	hange?	New	Project	Assigned Project #	2015081
Requested by:	Bryan K. Gong Project Manager / A			Date:	4/13/2015
Project Name:	Eng LW & JA E	Elec Imp & R	ΓUs		
Company:	252	Utilities In	c of Florida		
Business Unit:	252100	Seminole/	Orange Cost Center	BU Type:	он
Project Owner:	John Hoy				
Project Manager:	Bryan K. Gong	re		Budget Owner / RVP:	John Hoy
Start Date:	4/20/2015	Q2 2015		Region:	Florida
Estimated End Date:	12/31/2015	Q4 2015		State:	FL
Project Type:	Mainter	nance			
Will project replace/retire	e any assets:	Yes			
Previously Requested:					
This Request:	\$38,600				
Still to be Requested:					
Total Project Budget: escription: he first phase of this project wo sign will then be let to bid for t d installation of RTUs at the fo	he second phase of	the project that	t allows for construction of	of the improvements. Include	ed is the design
escription: le first phase of this project wo	ould be the design of he second phase of ollowing WTP's in Se e networked through	the project tha eminole County h the Wekiva S	t allows for construction of Y: Weathersfield, Bear La CADA system to allow re	of the improvements. Include ke, Oakland Shores, Park R mote monitoring of all eight	ed is the design idge, Phillips and (8) of the UIF
escription: The first phase of this project wo asign will then be let to bid for the distallation of RTUs at the for avenna Park. The RTUs will be TPs in Seminole County include meline Considerations: these projects are to be designed provided to the FPSC for rate	ould be the design of he second phase of ollowing WTP's in Se e networked through ding Jansen and Litt and and bid out to color recovery as a profo	the project tha eminole County h the Wekiva S le Wekiva WTf	t allows for construction of y: Weathersfield, Bear Lai CADA system to allow re P's once those electrical i 3rd quarter rate filing for t	of the improvements. Include ke, Oakland Shores, Park R mote monitoring of all eight mprovements are constructe	ed is the design idge, Phillips and (8) of the UIF ad.
escription: The first phase of this project wo sign will then be let to bid for the dinstallation of RTUs at the for avenna Park. The RTUs will be TPs in Seminole County include meline Considerations: these projects are to be designed	ould be the design of he second phase of ollowing WTP's in Se e networked through ding Jansen and Litt and bid out to coli	the project tha eminole County h the Wekiva S le Wekiva WTf	t allows for construction o y: Weathersfield, Bear Lai CADA system to allow re P's once those electrical i	of the improvements. Include ke, Oakland Shores, Park R mote monitoring of all eight mprovements are constructe	ed is the design idge, Phillips and (8) of the UIF ed.



## JUSTIFICATION / ALTERNATIVES

### Justification and Benefits:

The existing electrical equipment located within the Jansen and Little Wekiva WTPs is mostly 30+ years old and outlived the typical service life of such equipment. Repair parts are becoming increasingly difficult to locate and reliability has declined. By replacing these components there will be greater reliability meaning fewer outages and lower O&M costs in the form of salaries related to over time pay. Both of these systems are stand alone and do not have an auxiliary water source interconnect; however, the Jansen WTP does have an auxiliary generator. Both facilities will be equipped with a PLC that will include the installation of an RTU to communicate data and alarms. The C&A remote monitoring will be replaced and the associated monitoring costs eliminated by installing the RTUs. Facilities can be monitored remotely and data can be checked and stored for trends to better diagnose problems.

Installing RTUs at all of the UIF WTP's provides for all of the facilities to report to the Wekiva SCADA monitoring system and eliminates all of the C&A monitoring costs as well as gaining the other attributes mentioned in the paragraph above.

## **Risk Evaluation**

Outages to transfer the operation of equipment from the existing controls to the new controls at Little Wekiva. This risk can be mitigated with the use of a portable auxiliary generator when transfering over at the Little Wekiva WTP and performing the transfer during low demand periods.

## **Alternatives Considered:**

Replace electrical components on an as needed basis as failures occur. This method does not address reliability comprehensively and results lowers the customer's confidence and satisfaction.

The RTUs could be installed at a later date or not at all but means that we would continue to pay for third aprty moniotring and do not gain the benefit of continuous monitoring of data such as pressure and flow.

Technical Review Summary:



Financial and Regulatory Implications

	Yr1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend Project Spend in Current Plan	38,600					
ariance	(38,600)	-	*		-	
CIAC Collected	10000					(if applicable)
Net Rate Base	38,600	38,600	38,600	38,600	38,600	
D&M Cost Impact B/(W)		516	516	516	516	
Financial Justification			1.000	and and		
Estimated Revenue Impact pe	r Customer:	Г	Served (2)	Rate Payers		
Number of Customers Impac		t	2,423	2,745		
Jtility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
D&M Impact on EBITDA B/(W)			516	516	516	516
Depreciation Impact on EBIT B/	(W)		(3,217)	(3,217)	(3,217)	(3,217)
Under-recovery on capital B/(W Net EBIT Impact B/(W)			(2,654) (5,354)	(2,413) (5,113)	(2,171) (4,872)	(1,930) (4,631)
Fiming and Supporting Inform	ation on Rate	Recovery	6		201	
JIF Rate Case is in our 2015 Bu						
Regulatory Plan Implications This project is in our 2015 Capit	al Plan					



Bid	Company	Martin and and	Amount	Selected
1	Bailey Engineeing		\$38,600	Yes
2				
3		the second s		
Component:	Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mal Landscaping / Site Restoration Other Components (specify): Cap Time	erials	0.00 should match sale		
Total Project Budget Object Account(s) to whi		0.00 should matco Tota 1105	Electric Pump select from dro select from dro select from dro select from dro	Equip Wtp opdown list opdown list
			select from dro	
				erence List
General Comments:			<u>oo to ken</u>	GIGILIG LIST
electrical improvements over th	e consistent with the engineering supp e last three years. Bailey has familiari n the minimum amount that would oth	ty with UIF's design and	d operating preferer	

Utilities, Inc. C

Approvals

EAM Prime Review Review Completed by Does project align with utility Comments	plan and meet technical requi	Date: irements? Ye	es 🗌 No 🗌	
	Patrick C. Flynn Yes No received in review incorporate the SCADA equipment will be p		4/16/2015 d to improve effic	iency of
	n with our asset management			
FP&A Review Review Completed by	Christie Kincaid	Date:	4/23/2015	
Does Project comply with cur Comments	rrent Utility Rate and Regulato	ry Plan? Yo	s   No  □	
Approvals				Applicable?
Regional Manager:	Bryan Gongre	Date:	4/29/2015	
VP Operations:	Patrick C. Flynn	Date:	4/29/2015	
President:	John P. Hoy	Date:	5/4/2015	
Approval or Re-Direction C	omments			
None.				

BMP Electric, Inc.	No bid received
North Lake Electric	No bid received
Chinchor Electric Inc.	\$152,239.00
Thompson Electric, LLC	\$83,750.00
ScadaOne (Sole Source RTUs and Electrical Equipment)	\$146,480.00
Total	\$230,230.00

## BILL BAHLER

# THOMPSON ELECTRIC, LLC PO BOX 2531 INVERNESS, FL 34451 CELL: (407) 947-9499 PHONE: (352) 637-0702 FAX: (352) 637-0702 Email: <u>bill.bahler@thompsonelecfl.com</u>

# PROPOSAL No. P720-0516-B

May 18, 2016

Bailey Engineering Consultants 10620 Griffin Rd., Suite 202 Cooper City, FL 33328

## Re: Utilities Inc., Misc. WTP Improvements and RTU Additions

Dear Stephen Bailey, Thompson Electric, LLC is pleased to offer the following proposal for your review.

Furnish and install electrical material and equipment for the (8) Utilities Inc., Misc. WTP Improvements and RTU Additions, as shown on the plan sheets E-01 through E-15 and as called out in Division 16000 of the electrical specifications and addendum No.1 dated May 9, 2016.

## **TOTAL PRICE - \$83,750.00**

This proposal may be withdrawn by us if not accepted within 30 days.

Respectfully submitted,

Weller P. Jale

William P. Bahler Project Manager

WPB

# BILL BAHLER

# THOMPSON ELECTRIC, LLC PO BOX 2531 INVERNESS, FL 34451 CELL: (407) 947-9499 PHONE: (352) 637-0702 FAX: (352) 637-0702 Email: <u>bill.bahler@thompsonelecfl.com</u>

# PROPOSAL No. P720-0516-B

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**TOTAL PRICE - \$83,750.00** 

This proposal may be withdrawn by us if not accepted within 30 days.

Respectfully submitted,

Weller P. Baller

William P. Bahler Project Manager

WPB

# ScadaOne, LLC

www.scadaone.com

2500 Drane Field Rd. Ste. 104 Lakeland, FL. 33811 888-4SCADA1 (472-2321) Fax: 863-812-4490

May 20, 2016

Stephen Bailey Bailey Engineering 10620 Griffin Road, Suite 202 Cooper City, Florida 33328

We are pleased to provide you with this updated proposal for the Misc WTP Improvements and RTU Additions project, per the specified drawings and specifications. Our proposal includes the following:

## MISC WTP IMPROVEMENTS AND RTU ADDITIONS

<ul> <li>ck-off Meeting and Submittals</li> <li>sign and Drawings</li> <li>illips WTP RTU, PCP Mods, Termination, and Startup</li> <li>Removed Isolators</li> <li>venna WTP RTU, PCP Mods, Termination, and Startup</li> <li>Removed Isolators</li> <li>rk Ridge WTP RTU, PCP Mods, AC Mods, Termination, and Startup</li> </ul>	\$11,410. \$6,930. \$7,280.
illips WTP RTU, PCP Mods, Termination, and Startup o Removed Isolators venna WTP RTU, PCP Mods, Termination, and Startup o Removed Isolators rk Ridge WTP RTU, PCP Mods, AC Mods, Termination, and Startup	\$6,930 \$7,280
<ul> <li>Removed Isolators</li> <li>rk Ridge WTP RTU, PCP Mods, AC Mods, Termination, and Startup</li> </ul>	
	\$7,280
0 Removed isolators	
ar Lake WTP RTU, PCP Mods, AC Mods, Termination, and Startup o Removed Isolators	\$7,280
kland Shores WTP PCP Mods, Termination, and Startup o Removed Isolators	\$6,980
eathersfield WTP RTU, PCP Mods, Termination, and Startup	\$7,530
o Removed Isolators	\$19,980
<ul> <li>Vekiva WTP RTU, PCP, PMP, OIT, Termination and Startup</li> <li>Removed Isolators</li> </ul>	\$38,870
ftware (HMI and RTUs) o Licensing, PLC Programming, and HMI Programming	\$22,650
ares	\$1,860
t f	<ul> <li>Removed Isolators</li> <li>Licensing, PLC Programming, and HMI Programming</li> </ul>

Thank you for giving us the opportunity to provide you with this proposal. I hope you find it favorable. Feel free to contact me if you have any questions or need additional information.

Sincerely,

Kevin L Mathes System Designer, CEO 863-581-4902 kmathes@scadaone.com

Template Rev. A

ScadaOne, LLC. 5/20/2016, Page 1 of 1

## BILL BAHLER

# THOMPSON ELECTRIC, LLC PO BOX 2531 INVERNESS, FL 34451 PHONE: (352) 637-0702 FAX: (352) 637-0702 CELL: (407) 947-9499 Email: bill.bahler@thompsonelecfl.com

# INVOICE

# 3001051 PD#216660 Regl#230524

Date: July 27, 2016 <u>Invoice #:</u> TE16-020-001 Ordered By: Bryan Gongre Field Contact: N/A Business Unit #: OP #:

BILL TO: Utilities Inc. of Florida Attention: Accounts Payable 2335 Sanders Road Northbrook, IL 60062

NAME OF PROJECT: UIF Electrical Improvements & RTUs

DESCRIPTION		A	MOUNT
<ul> <li>Mobilization for UIF Electrical Improvements &amp; RTUs Total Contract Price- \$83,750.00</li> </ul>	2% Complete	\$	1,675.00
Our Job No:J16-020	Subtotal	\$	1,675.00
	10% Retainage	\$	(167.50)
	TOTAL DUE	\$	1,507.50

Make checks Payable to: Thompson Electric, LLC Remit to: PO Box 2531 Inverness, FL 34451

# THANK YOU FOR YOUR BUSINESS!

## SECTION 00520

## AGREEMENT FORM

## PART 1 GENERAL

## 1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bonds, the General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the \_\_\_\_\_UIF Electrical Improvements & RTUs

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within <u>90</u> or 45DAY S calendar days from the date of the Notice to Proceed. The work shall be finally FRom complete, ready for Final Payment in accordance with the General Conditions, RECEIPT within 30 calendar days from the actual date of substantial completion.

OF OWNER FURNISHED CONTROL PANELS

WB

## D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER \$500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

## Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of <u>Eighty three thousand seven</u> hundred fifty dollars Dollars (\$ 83,750.00 ). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

## F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions.

G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. The Owner is not obligated to reduce retainage at any time during the Contract, but may choose to do so at its discretion once the Work is at least 75% complete.

## H. Engineer

The Project has been designed by Bailey Engineering Consultants, Inc., referred to in the documents as the Engineer, whose authority during the progress of construction is defined in the General Conditions and Supplementary Conditions.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

Thompson Electric, LLC Name of Firm

Projul Margu Ville By (Signature)

William Bahler, Project Manager Printed Name and Title

ATTEST:

By (Signature)

SHARON KASKIE ADMINISTRATIVE ASSISTANT Printed Name and Title

OWNER:

Utilities Inc. of Florida Name of Owner

By (Signature)

Bryan K. Gongre, Regional Manager Printed Name and Title

ATTEST By (Signature) Susan M. D. Pasquale Printed Name and Title

END OF SECTION

(SEAL)

(SEAL)

## **SECTION 00520**

## AGREEMENT FORM

## PART 1 GENERAL

**1.01 THIS AGREEMENT**, made this <u>17th</u> day of <u>June</u>, <u>2016</u>, by and between <u>Utilities Inc. of Florida</u>, hereinafter called the Owner, and <u>ScadaOne, LLC</u>, doing business as a \_\_\_\_\_ and hereinafter called the Contractor.

## **1.02** The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bonds, the General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the \_\_\_\_\_\_UIF Electrical Improvements & RTUs\_\_\_\_\_

## C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within \_\_\_\_\_90 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

March 17<sup>th</sup>, 2015



Bryan K. Gongre Regional Manager Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Re: Jansen Water Treatment Plant Utilities Inc. of Florida

Dear Mr. Gongre:

We are pleased to submit our proposal for engineering design and construction services for the above project. The following provides an overview of the engineering services Bailey Engineering Consultants, Inc. (BEC) intends to furnish to Utilities, Inc. of Florida (UI) and a lump sum fee amount to provide these services. Our fee shall include completed drawings for the work, covering all phases of our design in an AutoCAD 2015 format, project specifications and opinion of probable cost for the work performed under this agreement. An overview of the work to be performed for the electrical and instrumentation design is as outlined below:

## Task I - Design Services

- Visit the above referenced project site and observe the existing field conditions for the facility. Based on this visit design of the replacement of the electrical and control system and the ancillary lighting and miscellaneous 120 volt power. This service feeds two (2) wells and facility miscellaneous power, lighting and control items.
- 2. Prepare specifications for new pump control panel. This panel will include pump starters, 120 volt panel board as required to serve the building and miscellaneous components and new controls for station operation.
- 3. Prepare specifications and drawings for the design of the required electrical and control system components and their installation by a Contractor.
- 4. Interface above design with new RTU system. RTU type to be cell phone based by Scada One. Signals to be monitored include; loss of phase, low system pressure and low CL2 residual.
- 5. No site plan or survey exists; as such BEC will provide only approximate site plan and building dimensions as determined during our field visit.
- 6. Bidding services.

Task II - Construction Services

## 10620 GRIFFIN ROAD, SUITE 202 • COOPER CITY, FL• 33328 PHONE: 954-448-7930 • FAX: 954-713-9959

- A. Bailey Engineering Consultants, Inc. (BEC) will perform project administration and provide professional services during the construction phase that will implement the facility modifications. By performing these services, BEC shall not have authority or responsibility to supervise, direct, or control the Contractor's work or the Contractor's means and methods, techniques, sequences, or procedures of construction. BEC shall not have authority or responsibility for safety precautions and programs incident to the Contractor's work or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor of any of his contractual responsibilities. Specific services to be performed by Consultant are as follows:
  - 1) <u>Shop Drawing Review</u> Review and approve (or take other appropriate action in respect of) Shop Drawings and samples, the results of tests and inspections and other data which each Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents (but such review and approval or other action shall not exceed to means, methods, sequences, techniques or procedures of construction or to safety precautions and programs incident thereto); and receive and review (for general content as required by the Specifications) maintenance and operating schedules and instruction, guarantees, bonds and certificates of inspection which are to be assembled by Contractor(s) is in accordance with the Contract Documents.
  - 2) <u>Issue Clarifications</u> Issue all instructions of OWNER to Contractor(s); issue necessary interpretations and clarifications of the Contract Documents; have authority, as OWNER's representative to require special inspection or testing of the work; act as initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the work thereunder, and make decisions on all claims of OWNER and Contractor(s) relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the work. The ENGINEER shall render all interpretations or decisions in good faith and in accordance with the requirements of the Contract Documents.
  - 3) <u>Site Visits</u> Make three (3) visits to the site upon final stage of construction to observe, as an experienced and qualified professional, the progress and quality of the executed work of Contractor(s) and to determine in general if such work is proceeding in accordance with the Contract Documents. ENGINEER shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) or the safety precautions and programs incident to the work of Contractor(s). ENGINEER's efforts will be directed toward providing a greater degree of confidence for OWNER that the completed work of Contractor(s) will conform to the Contract Drawings, but ENGINEER shall not be responsible for the failure of Contractor(s) to perform the work in accordance with the Contract Drawings. During such visits and on the basis of on-site observations, ENGINEER shall keep OWNER informed of the progress of the work, shall endeavor to guard OWNER against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents. Consultant will provide to the City a list of items to be completed, if any.

Page 3

SUPPLEMENTAL SERVICES - Any work requested by the Owner that is not included in one of the items listed in any other phase will be classified as supplemental services. Tasks No. 1 and 2 will be performed on a lump sum basis. Travel to and from the site and other direct costs are included in the overhead rate and will not be billed as a separate line item. Our fee for this work shall be as follows:

Task 1-Design Services When plans are 100% complete	\$ 9,500.00
Task 2-Construction Services	\$ 5,200.00
Total:	\$ 14,700.00

Very truly yours,

Stephen E. Bailey, P.E.

ACCEPTED 5/5/15 DATE

UI-15-001DG



March 17<sup>th</sup>, 2015

Bryan K. Gongre Regional Manager Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Re: Little Wekiva Water Treatment Plant Utilities Inc. of Florida

Dear Mr. Gongre:

We are pleased to submit our proposal for engineering design and construction services for the above project. The following provides an overview of the engineering services Bailey Engineering Consultants, Inc. (BEC) intends to furnish to Utilities, Inc. of Florida (UI) and a lump sum fee amount to provide these services. Our fee shall include completed drawings for the work, covering all phases of our design in an AutoCAD 2015 format, project specifications and opinion of probable cost for the work performed under this agreement. An overview of the work to be performed for the electrical and instrumentation design is as outlined below:

Task I - Design Services

- Visit the above referenced project site and observe the existing field conditions for the facility. Based on this visit design of the replacement of the electrical and control system and the ancillary lighting and miscellaneous 120 volt power. This service feeds one well and facility miscellaneous power, lighting and control items.
- 2. Prepare specifications for new pump control panel. This panel will include pump starters, 120 volt panel board as required to serve the building and miscellaneous components and new controls for station operation.
- 3. Prepare specifications and drawings for the design of the required electrical and control system components and their installation by a Contractor.
- Interface above design with new RTU system. RTU type to be cell phone based by ScadaOne. Signals to be monitored include; loss of phase, low system pressure and low CL2 residual.

10620 GRIFFIN ROAD, SUITE 202 • COOPER CITY, FL• 33328 PHONE: 954-448-7930 • FAX: 954-713-9959

- 5. No site plan or survey exists; as such BEC will provide only approximate site plan and building dimensions as determined during our field visit.
- 6. Bidding services.

### Task II - Construction Services

- A. Bailey Engineering Consultants, Inc. (BEC) will perform project administration and provide professional services during the construction phase that will implement the facility modifications. By performing these services, BEC shall not have authority or responsibility to supervise, direct, or control the Contractor's work or the Contractor's means and methods, techniques, sequences, or procedures of construction. BEC shall not have authority or responsibility for safety precautions and programs incident to the Contractor's work or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor of any of his contractual responsibilities. Specific services to be performed by Consultant are as follows:
  - 1) Shop Drawing Review Review and approve (or take other appropriate action in respect of) Shop Drawings and samples, the results of tests and inspections and other data which each Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents (but such review and approval or other action shall not exceed to means, methods, sequences, techniques or procedures of construction or to safety precautions and programs incident thereto); and receive and review (for general content as required by the Specifications) maintenance and operating schedules and instruction, guarantees, bonds and certificates of inspection which are to be assembled by Contractor(s) is in accordance with the Contract Documents.
  - 2) <u>Issue Clarifications</u> Issue all instructions of OWNER to Contractor(s); issue necessary interpretations and clarifications of the Contract Documents; have authority, as OWNER's representative to require special inspection or testing of the work; act as initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the work thereunder, and make decisions on all claims of OWNER and Contractor(s) relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the work. The ENGINEER shall render all interpretations or decisions in good faith and in accordance with the requirements of the Contract Documents.
  - 3) <u>Site Visits</u> Make three (3) visits to the site upon final stage of construction to observe, as an experienced and qualified professional, the progress and quality of the executed work of Contractor(s) and to determine in general if such work is proceeding in accordance with the Contract Documents. ENGINEER shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) or the safety precautions and programs incident to the work of Contractor(s). ENGINEER's efforts will be directed toward providing a greater degree of confidence for OWNER that the completed work of Contractor(s) will conform to the Contract Drawings, but ENGINEER shall not be

Page 3

5/5/15

responsible for the failure of Contractor(s) to perform the work in accordance with the Contract Drawings. During such visits and on the basis of on-site observations, ENGINEER shall keep OWNER informed of the progress of the work, shall endeavor to guard OWNER against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents. Consultant will provide to the City a list of items to be completed, if any.

<u>SUPPLEMENTAL SERVICES</u> - Any work requested by the Owner that is not included in one of the items listed in any other phase will be classified as supplemental services. Tasks No. 1 and 2 will be performed on a lump sum basis. Travel to and from the site and other direct costs are included in the overhead rate and will not be billed as a separate line item. Our fee for this work shall be as follows:

Task 1-Design Services When plans are 100% complete	\$ 7,800.00
Task 2-Construction Services	\$ 4,800.00
Total:	\$ 12,600.00

Total:

Very truly yours,

Stephen E. Bailey, P.E.

ACCEPTED DATE

UI-15-002DG



March 17th, 2015

Bryan K. Gongre Regional Manager Utilities, Inc. of Florida 200 Weathersfield Avenue Altamonte Springs, FL 32714

Re: RTU Additions at Phillips, Ravenna, Park Ridge, Bear Lake, Oakland Shores and Weathersfield WTP's Utilities Inc. of Florida

Dear Mr. Gongre:

We are pleased to submit our proposal for engineering design and construction services for the above project. The following provides an overview of the engineering services Bailey Engineering Consultants, Inc. (BEC) intends to furnish to Utilities, Inc. of Florida (UI) and a lump sum fee amount to provide these services. Our fee shall include completed drawings for the work, covering all phases of our design in an AutoCAD 2015 format, project specifications and opinion of probable cost for the work performed under this agreement. An overview of the work to be performed for the electrical and instrumentation design is as outlined below:

### Task I - Design Services

- 1. Design for the installation UI standard RTUs at the following locations:
  - Phillips WTP
  - Ravenna WTP
  - Park Ridge WTP
  - Bear Lake WTP
  - · Oakland Shores WTP
  - Weathersfield WTP
- 2. Prepare specifications as required. Interface existing plant signals with new RTU system. RTU type to be cell phone based by ScadaOne.

### Task II - Construction Services

A. Bailey Engineering Consultants, Inc. (BEC) will perform project administration and provide professional services during the construction phase that will implement the facility modifications. By performing these services, BEC shall not have authority or responsibility to supervise, direct, or control the Contractor's work or the Contractor's

> 10620 GRIFFIN ROAD, SUITE 202 • COOPER CITY, FL• 33328 PHONE: 954-448-7930 • FAX: 954-713-9959

means and methods, techniques, sequences, or procedures of construction. BEC shall not have authority or responsibility for safety precautions and programs incident to the Contractor's work or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor furnishing and performing the work. Consultant reviews shall not relieve the Contractor of any of his contractual responsibilities. Specific services to be performed by Consultant are as follows:

- 1) <u>Shop Drawing Review</u> Review and approve (or take other appropriate action in respect of) Shop Drawings and samples, the results of tests and inspections and other data which each Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents (but such review and approval or other action shall not exceed to means, methods, sequences, techniques or procedures of construction or to safety precautions and programs incident thereto); and receive and review (for general content as required by the Specifications) maintenance and operating schedules and instruction, guarantees, bonds and certificates of inspection which are to be assembled by Contractor(s) is in accordance with the Contract Documents.
- 2) <u>Issue Clarifications</u> Issue all instructions of OWNER to Contractor(s); issue necessary interpretations and clarifications of the Contract Documents; have authority, as OWNER's representative to require special inspection or testing of the work; act as initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the work thereunder, and make decisions on all claims of OWNER and Contractor(s) relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the work. The ENGINEER shall render all interpretations or decisions in good faith and in accordance with the requirements of the Contract Documents.
- 3) <u>Site Visits</u> Make six (6) visits (one per site) to the site upon final stage of construction to observe, as an experienced and qualified professional, the progress and quality of the executed work of Contractor(s) and to determine in general if such work is proceeding in accordance with the Contract Documents. ENGINEER shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) or the safety precautions and programs incident to the work of Contractor(s). ENGINEER's efforts will be directed toward providing a greater degree of confidence for OWNER that the completed work of Contractor(s) will conform to the Contract Drawings, but ENGINEER shall not be responsible for the failure of Contractor(s) to perform the work in accordance with the Contract Drawings. During such visits and on the basis of on-site observations, ENGINEER shall keep OWNER informed of the progress of the work, shall endeavor to guard OWNER against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents. Consultant will provide to the City a list of items to be completed, if any.

<u>SUPPLEMENTAL SERVICES</u> - Any work requested by the Owner that is not included in one of the items listed in any other phase will be classified as supplemental services. Tasks No. 1 and 2 will be performed on a lump sum basis. Travel to and from the site and other direct costs are

Mr. Bryan K. Gongre

Page 3

included in the overhead rate and will not be billed as a separate line item. Our fee for this work shall be as follows:

Task 1-Design Services When plans are 100% complete	\$ 6,500.00
Task 2-Construction Services	\$ 4,800.00
Total:	\$ 11,300.00

Very truly yours,

Stephen E. Bailey, P.E.

ACCEPTED

DATE 5/5/15

UI-15-004DG

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-37**

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8



# ADD-CHANGE FORM

	ange?	New	Project	Assigned Project #	: 2015082
Requested by:	Bryan K. Gong Project Manager / A			Date:	4/13/2015
Project Name:	Eng - UIF WM	Replacemen	ts		
Company:	252	Utilities In	c of Florida		
Business Unit:	252100	Seminole	Orange Cost Center	BU Tumai	011
Project Owner:	John Hoy			BU Type:	ОН
Project Manager:	Bryan K. Gong	re		Budget Owner / RVP:	John Hoy
Start Date:	4/20/2015	Q2 2015		Region:	Florida
Estimated End Date:	9/1/2015	Q3 2015		State:	FL
Project Type:	Mainte	nance			
Will project replace/retire a	any assets:	Yes			
Previously Requested:					
This Request:	\$57,050				
Still to be Requested:		C. C. B. C. F.			
nere are seven (7) UIF water system orida that include a combination of	of asbestos ceme	ent and galvania	zed iron water mains of v	arious sizes. The asbestos of	cement water
escription: here are seven (7) UIF water syst orida that include a combination of ains have approached the termina rberculated over time from minera e tap. The galvanized water main e design of bid level plans and pe rekiva, Crescent Heights, Oakland	tems that have be of asbestos ceme al end of their ser al deposits and th ns also contribute ermitting of constr	nt and galvani rvice life. The nus reduced the to water qualit ruction through	zed iron water mains of v galvanized water mains, eir carrying capacity result y issues related to color FDEP. The water system	arious sizes. The asbestos of mainly 2" in diameter, have b titing in a reduction in pressur from iron deposits. This proje ns to be designed are; Bear L	cement water ecome e and volume at ect will provide for
nere are seven (7) UIF water syst orida that include a combination of ains have approached the termina rberculated over time from minera e tap. The galvanized water mair e design of bid level plans and pe rekiva, Crescent Heights, Oakland meline Considerations: nese projects are to be designed a provided to the FPSC for rate re the TY to be included in the filing	ems that have be of asbestos ceme al end of their ser al deposits and th ns also contribute ermitting of constr d Shores, Phillips	ent and galvania rvice life. The g lus reduced the to water qualifi- uction through c, Crystal Lake	zed iron water mains of v galvanized water mains, i eir carrying capacity resu by issues related to color FDEP. The water system and Ravenna Park/Linco Brd quarter rate filing for t PSC rules allow capital p haterially reduces regulate	arious sizes. The asbestos of mainly 2" in diameter, have b titing in a reduction in pressur from iron deposits. This proje ns to be designed are; Bear L In Heights. the UIF systems so the const rojects completed within 24 r	cement water recome e and volume at cct will provide for Lake, Little
nere are seven (7) UIF water syst orida that include a combination of ains have approached the termina rberculated over time from minera e tap. The galvanized water mair e design of bid level plans and pe rekiva, Crescent Heights, Oakland meline Considerations: nese projects are to be designed a provided to the FPSC for rate re the TY to be included in the filing	ems that have be of asbestos ceme al end of their ser al deposits and th ns also contribute ermitting of constr d Shores, Phillips and bid out to coir covery as a profo and added to rate	ent and galvania rvice life. The g lus reduced the to water qualifi- uction through c, Crystal Lake	zed iron water mains of v galvanized water mains, i pir carrying capacity resul ty issues related to color FDEP. The water system and Ravenna Park/Linco Brd quarter rate filing for t PSC rules allow capital p	arious sizes. The asbestos of mainly 2" in diameter, have b titing in a reduction in pressur from iron deposits. This proje is to be designed are; Bear L In Heights.	cement water recome e and volume at ect will provide for Lake, Little



### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The existing water mains within the seven (7) UIF systems are 40+ years old and have required a higher frequency of repairs over the last several years elevating O&M costs. Flushing of these systems occurs more frequently as a result of color issues and the potential for TTHM formation brought about by higher organics being present in tuberculated galvanized piping. Flushing impacts O&M costs for chemicals, power consumption and wear and tear, and decreases the available allocation under the Consumptive Use Permit issued by the SJRWMD.

Replacing the existing water mains, gate valves and service lines will decrease O&M costs, improve reliability, decrease the number of PBWNs issued as a result of repairs that require portions of or an entire system to be isolated, improve water quality and provide for sections of the system to be isolated in the future without affecting more connections than necessary. All of these items improve customer satisfaction.

#### **Risk Evaluation**

Risks include constructability issues that may elevate the project costs such as a requirement to remove and dispose of the existing asbestos cement water mains as opposed to abandoning the water mains in place and grout filling. Elevated customer complaints during the construction phase that will be addressed through communication. FPSC staff identifying the project as imprudent and thus put recovery of the investment at risk.

### Alternatives Considered:

Stretch the main replacements out over a longer term. This strategy would trigger the need to file multiple rate cases for recovery purposes resulting in additional rate case expense even if a Limited Proceeding docket is filed.

Technical Review Summary:



# Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	\$57,050					
Project Spend in Current Plan						
Variance	(57,050)	-		-	-	
CIAC Collected						(if applicable)
Net Rate Base	57,050	57,050	57,050	57,050	57,050	
O&M Cost Impact B/(W)						
Financial Justification			A Lower St.			
Customer counts as of 12/31/14	k;					
Bear Lake 233						
Little Wekiva 61						
Crescent Heights 284						
Oakland Shores 231						
Phillips 85						
Crystal Lake 182						
Ravenna Park 355 TOTAL 1,431						
Seminole Co: 2,475						
Orange Co.: 2,475						
TOTAL 3,076						
101AL 0,010						
			Served	Rate Payers		
Estimated Revenue Impact pe	r Customer:	Г	(4)	(2)		
Number of Customers Impac			1,431	3,076		
		-				
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)			-	-	-	2 <b>-</b>
Depreciation Impact on EBIT B/	(W)	(332)	(1,327)	(1,327)	(1,327)	(1,327)
Under-recovery on capital B/(W		(1,063)	(4,154)	(4,055)	(3,955)	(3,856)
Net EBIT Impact B/(W)		(1,395)	(5,481)	(5,382)	(5,282)	(5,183)
Timing and Supporting Inform				and the second		
				systems are	located in 5 co	ounties, all of which will be
		o, Pinellas ar	nd Seminole).			
	n, Orange, Fasu					
	n, Orange, Fast					
	n, Orange, Fasc					
	n, Orange, Fasc					
	n, Orange, Paso					
included in the rate case (Mario	n, Orange, Paso					
included in the rate case (Marion Regulatory Plan Implications		plan. Once t	the permitting	s completed,	the projects wi	ll be bid out. Each project
Included in the rate case (Marion Regulatory Plan Implications This project has been added to will be brought back to the CPR	the 2015 capital T for considerat	ion and discu	ission prior to			
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included in the rate case (Marion <b>Regulatory Plan Implications</b> This project has been added to will be brought back to the CPR has been established in the fina	the 2015 capital T for considerat	ion and discu	ission prior to			
Included in the rate case (Marion Regulatory Plan Implications This project has been added to will be brought back to the CPR has been established in the fina	the 2015 capital T for considerat	ion and discu	ission prior to			



Bid	Company		Amount	Selected
1	СРН		\$57,050	Yes
2 3				
Component:	Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Mat Landscaping / Site Restoration Other Components (specify): Cap Time	erials	0.00 should match sole		
Total Project Budget Object Account(s) to whic		0.00 should match Tota 1125	Budget on General In Trans & Distr I	
			select from dro select from dro select from dro	opdown list
General Comments:				erence List
General Comments:				



Approvals

Review Completed by		Date:		
Does project align with utility Comments	olan and meet technical requiren	nents? Y	es No	
Technical Peer Review				
Review Sponsored by Approval to proceed	Patrick C. Flynn Yes I No	Date Held	4/16/2015	
Comments (note if feedback r	eceived in review incorporated)			
Be sure that the scope of wor Response: the engineer's quo or requested by UIF.	k includes consideration of soil on the identifies that a soils investigated at the identifies that a soils investigated at the identifies that a soils investigated at the identifies that a solution of the iden	conditions. ation would be o	done by a subcon	sultant if required
or requested by on .				
EDSA Daviani				
FP&A Review Review Completed by	Christie Kincaid	Date:	4/22/2015	
Does Project comply with curr	ent Utility Rate and Regulatory F			
Comments				
Approvala				
Approvals				Applicable?
	Bryan Gongre	Date:	4/29/2015	Applicable?
Regional Manager:	Bryan Gongre Patrick C. Flynn	Date: Date:	4/29/2015 4/29/2015	
<b>Approvals</b> Regional Manager: VP Operations: President:				
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	
Regional Manager: VP Operations:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	
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Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P. Hoy	Date:	4/29/2015	



1117 East Robinson St. Orlando, FL 32801 Phone: 407.425.0452 Fax: 407.648.1036

August 24, 2016

Mr. Bryan Gongre Regional Manager Utilities Inc. of Florida 200 Weathersfield Ave. Altamonte Springs, FL 32714

RE: Water Main Replacement Additional Services (CPH # U07144)

Dear Bryan:

We are pleased to submit this proposal to provide professional engineering services associated with the design, permitting, bidding, and limited post design services for the for the following service areas:

- 1. Phillips
- 2. Ravenna Park/Lincoln Heights
- 3. Crystal Lake
- Little Wekiva
- 5. Oakland Shores
- 6. Bear Lake
- 7. Crescent Heights

Under our current contract CPH has completed all FDEP permitting requirements for all 7 locations and will continue to certify completion of the issued permits under the existing contact. This scope of services will be to provide construction plans sets sufficient for right-of-way permitting, bidding, survey, and construction. In all systems the plans will include the removal and replacement of the existing water systems.

1) Plans and Specifications (Lump Sum)

For each service area CPH will provide plan sets (including cover sheet, general notes, plan sheets (showing general locations of improvements) with typical cross sections as needed for permitting), and bid form. In lieu of survey CPH will obtain recent aerials and right-of-way maps to be used as the base plan. Project specifications will include UIF standard specifications including requirements for contractors to field locate all right-of-way lines as part of their contract to assure no right-of-way encroachment occurs.

2) <u>Right-of-way Permits (Lump sum)</u>

CPH will submit signed and sealed plans, permit applications (please note Seminole requires one application prepared for each Street) and utility notification letters. Contractors will pay all right-of-way permit fees are no permit fees are included.

3) Survey (Lump sum)

CPH will provide topographic survey for Oranole Rd. (Oakland Shores service area) and a crossing at HE Thomas Jr. Parkway (Crystal Lake service area) as described in the attached survey scope. CPH will also subcontract with Southeastern Survey for utility designation and five soft digs for Oranole Road as described in the attached scope of services dated 6-20-16. The fees



for both survey and utility designation for each service area are included in the lump sum fee summary shown below.

# 4) Bidding (Lump sum)

CPH will prepare bid plans for up to three separate bid packages. CPH will attend two pre-bid meetings and prepare meeting minutes to be used as part of the contract document. A summary of bids will also be provided.

Tasks 1 - 3	Lump Sum Fee
Bear	\$7,500.00
Crescent	\$7,500.00
Little Wekiva	\$7,500.00
Oakland	\$16,790.00
Ravenna	\$2,500.00
Crystal Lake	\$9,875.00
Philips	\$7,500.00
Tasks 4	
Bidding	\$1,500.00
Total	\$60,665.00

# 5) Post Design Services (Time and materials)

CPH will provide limited post design services which may include responses to requests for information, change orders, shop drawing review, as-needed site visits or site meetings, coordination with contractors, coordination with County, and assist UIF with any project issues. Record drawings will be provided based on Contractors submitted as-built information. A detailed breakdown of assumed time and materials per system is provided in attached T-1. Time and materials will be based on CPH standard hourly rates.

### Supplementary Services

If authorized in writing by the Owner prior to the rendering of such services, the engineer will furnish or obtain under subcontracts, supplementary services which will be paid for by the Owner.

Additional services due to significant changes in the scope of the project or its design including, but not limited to, changes in size, complexity, character of construction or due to time delays in initiating or completion of the work as described herein.

Environmental services <u>are not included</u> in this scope. Survey services such as topographic easement acquisitions, sketch and descriptions, utility locates, and other survey tasks not defined herein <u>are not included</u> in this scope of services. Apparent right-of-way lines will be called shown on the plans for the contractor to field verify. Plans will include plan view and typical cross sections as needed for permitting, profile views are not included. Community notification coordination is not included. CPH can provide any level of these services as requested by UIF.

### Payment

The engineering fees for the services, described herein are as summarized:

Tasks 1-4	Lump Sum	\$60,665.00
Task 5	Time and Materials	\$15,000.00
Т	Total Contract	



CPH will prepare separate invoices for each service area as requested. Progress invoices will be submitted based on the Engineer's estimate of the percent of work complete at the time of invoicing.

Charges for the services rendered by principals and employees as witnesses in any litigation, hearing or proceeding in accordance with this Contract will be computed at a rate of \$600 per day or any portion thereof.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us.

If you have any questions please call me.

James R. Morris, Jr., P.E. Vice President/Sr. Project Manager

ACCEPTED BY: Utilities Inc. of Florida

Date:

	Task 4: Post Design Services						
Task 1	Task Description	Project Manager	Project Engineer	Project Designer	Sr. Design Tech	Clerical II	Expenses
1	Phillips	10	4				\$150.0
2	Ravenna	10	4	*****	***************************************	*******************	\$150.00
3	Crystal Lake	10	4	****	***************************************		\$150.0
4	Little Wekiva	10	4		÷•••••••••••••••••••••••••••••••••••••		\$100.00
5	Oakland Shores	10	4	*****************************		***************************************	\$150.00
6	Bear Lake	10	4	#1 1 1 2 1 7 2 1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			\$150.00
7	Crescent Heights	10	4	*******	• • • • • • • • • • • • • • • • • • •		\$150.00
	SUBTOTAL DIRECT LABOR	70	28	0	0	)	0 \$1,000

See supporting documentation for breakdown of miscellaneous expenses Total Labor Cost Fees TOTAL TASK 1 (Time and Materials) RATE Project Manager \$150.00 70 \$:

Project Manager	\$150.00	70	\$10,500.00	
Project Engineer	\$125.00	28	\$3,500.00	
Project Designer	\$110.00	0	\$0.00	
Sr. Design Technician	\$105.00	0	\$0.00	
Clerical II	\$60.00	0	\$0.00	
Subtotal Raw Labor			\$14,000.00	

\$14,000.00

\$14,000.00 \$1,000.00 \$15,000.00

Page T-1

# Utilities Inc. – Oranole Rd. & HE Thomas Jr. Parkway

# Establish Right of Way:

- Compute right of way geometry. The following will be used to retrace the rights of way for the project area:
  - o Recorded Plats
  - Right of way documentation from FDOT/County Right of Way Maps.
  - Field locate boundary monumentation and field verify platted rights of way.

**Note:** CPH will rely on recorded plats/right of way maps for the location of existing right of way limits. Evaluation of ownership and encumbrances, i.e., title reports, are not included in this scope of services.

**Topographic Survey:** Perform a Topographic Survey of the rights of way contained within Area 1 (0.59± acre) & Area 2 (2.18± acres) as depicted on the attached "Survey Site Exhibit as per Rule Chapter 5J-17 of the Florida Administrative Code in compliance with the Standards of Practice of Surveying and Mapping of the State of Florida.

- Location of existing visible above ground improvements and visible utilities within scope. 50' cross sections along route within the rights of way of the project areas (as provided).
- Signed and sealed Topographic Survey.

**Benchmarks and Horizontal Control:** The project will be based on the North American Vertical Datum 88 (NAVD 88). The project will be referenced to these published elevations by field locating published benchmarks. The National Geodetic Survey and County benchmarks will be researched and verified in the field. Horizontal and vertical control points will be established for the project as required by the Standards of Practice of Surveying and Mapping of the State of Florida.

- "Horizontal control monumentation for road center-lines, right-of-way lines, reference lines or base lines shall be at least a minimum of two (2) points placed so that no point on the line being monumented is more than 700 feet from a control monument."
- "Vertical control for linear type construction sites such as roads and sewer lines shall have a maximum of 1,100 feet between existent or established benchmarks."

Survey Fee Area 1: \$2,375.00 Survey Fee Area 2: \$3.675.00

# SURVEY SITE EXHIBIT



The following related services are not included in the scope of this proposal, and may or may not be required, but can be provided at an additional fee: Boundary Survey, ALTA/NSPS Land Title Survey, As-built Survey, Platting, Soil Borings, Sketch and Descriptions, Wetland Location/Delineation, Tree Location, State Plane Coordinates, Ordinary High Water/Mean High Water and Underground Utility Location/Designation.

NOTE: Extended periods of inclement weather can adversely affect the day-to-day availability of field work and therefore drastically change the timeline for project completion.

J:\Z6582\Proposals\Util Inc\UIF WM CO U07144\Final with Survey\Topographic Survey\_Oranole\_HE Thomas.doc

Steven L. Anderson, Jr., PSM, PLS Charles M. Arnett, PSM Michael L. Dougherty, PSM Bruce C. Ducker, PSM James M. Dunn, II, PSM Thomas F. Ferguson, PSM Ronnie A. Figueroa, PSM, GISP Tate B. Flowers, PLS Robert W. Gardner, PSM Brian R. Garvey, PE, GISP Daniel J. Henry, PSM, PLS Matthew G. Jennings, RLS Gary B. Krick, PSM Brad J. Lashley, PSM, PLS Myron F. Lucas, PSM James E. Mazurak, PSM Thomas K. Mead, PSM, PLS Timothy O. Mosby, PSM



Southeastern Surveying and Mapping Corporation Serving the Southeast Since 1972 www.southeasternsurveying.com info@southeasternsurveying.com James L. Petersen, PSM William C. Rowe, PSM Tony G. Syfrett, PSM, PLS John S. Thomas, PSM Edward W. Wackerman, PSM Thomas P. Young, Jr., PSM, GISP Kirk R. Hall, EI, GISP Brad A. Stroppel, EI, GISP Catherine E. Galgano, GISP Cheryl A. Isenberg, GISP Brian E. Latchaw, GISP Patrick J. Phillips, GISP Donna L. Hendrix, CST IV Frank B. Henry, CST IV David M. Rentfrow, CST IV Steve D. Smith, CST IV Celeste B. van Gelder, CST IV

Land Surveying & Mapping Services • Sub-Surface Utility Designation & Location Services • Geographic Information Systems • GPS Asset Inventories

June 20, 2016

Mr. Jay Morris, P.E. Vice President/Associate CPH, Inc. 1117 E. Robinson Street Orlando, FL 32801 (407) 425-0452 Ext. 2021

# RE: Oakland Shores Water Main Replacement Oranole Road, Orlando, FL Section 24, Township 21 South, Range 29 East, Orange County, Florida

Dear Mr. Morris,

We are pleased to submit our proposal for Subsurface Utility Designation and Verification on the above referenced project.

# **SCOPE OF WORK:**

- 1. Horizontally locate and field mark (paint & flags) all public subsurface utility mains found excluding service lines, gravity sewer lines and irrigation, within the area outlined in yellow on the aerial print provided via email on 06/17/2016.
- 2. Coordinate Sunshine 811 and utility locates to include supplemental calls to each locator to expedite the field marking of each subsurface utility as required by law.
- 3. Expose the subject utilities by using nondestructive vacuum excavation methods at approximately five (5) specific locations indicated on plan sheet provided or marked by client in the field.
- 4. Confirm/determine the vertical and horizontal position of the subject utilities and record the information, using the locate marks provided by the utility owners and/or their representatives unless otherwise specifically requested by client.
- 5. Any asphalt/concrete removed will be repaired using like materials.

6500 All American Blvd Orlando, FL 32810 407.292.8580 407.292.0141 Fax	1130 Highway 90 Chipley, FL 32428 850.638.0790 850.638.8069 Fax	Cypress Business Center 8301 Cypress Plaza Drive Suite 104 Jacksonville, FL 32256 904.737.5990 904.737.5995 Fax	119 West Main Street Tavares, FL 32778 352.343.4880 352.343.4914 Fax	10 East Lake Street Kissimmee, FL 34744 407.944.4880 407.944.0424 Fax	University Corporate Parl 10770 North 46 <sup>th</sup> Street Suite C-300 Tampa, FL 33617 813.898.2711 813.898.2712 Fax
---	--	--	---	--	--

Via E-Mail: jmorris@cphcorp.com

Page 2 Mr. Jay Morris, P.E. Oakland Shores Water Main Replacement June 20, 2016

- 6. Tie each test hole location to a minimum of three visible physical features to enable this data to be added to your base map and also enable future recovery.
- 7. Survey collection of all utility designation marks and test holes with control furnished by client.

The final product will be a field drafted plan sheet or utility designation field sketch, test hole reports/sketches, and electronic CAD file of the project area reflecting all pertinent data for your use.

# **Terms and Conditions**

It is understood that the construction contractor is responsible to abide by Sunshine 811, Florida State Statutes Chapter 556.106 and all applicable laws, and regulations that pertain to the services provided.

CPH, Inc. will make available all plans and utility records that have been obtained for this site. However, the information provided by CPH, Inc. is also dependent upon a Sunshine 811 request for utility owners and/or their representatives to mark their buried underground plant at the project site as required by law. Southeastern Surveying and Mapping Corporation (SSMC) has a right to rely on the accuracy of such plans and utility records and will notify CPH, Inc. if there are any patently or reasonably identifiable defects in the documents.

CPH, Inc. is aware that due to the inherent uncertain nature of subsurface utilities, including but not limited to deficient or misrepresentation of prints, SSMC cannot guarantee that all subsurface utility lines will be accounted for. SSMC will ensure that all reasonable efforts are made to identify the location of said underground utilities and provide the best available information within the project area with the use of Ground Penetrating Radar, Electronic Line Locating Equipment and Vacuum Excavation methods, as needed. Additional research will only be conducted by SSMC if requested in writing by CPH, Inc.

M.O.T. will be used only if absolutely necessary and these invoice charges will be an addition to the total per day rate and reflected on our invoice to you.

In accordance with the Underground Facility Damage Prevention and Safety Act, the Design Engineer shall perform sufficient Utility Coordination with the Utility providers in this location to affirm the information from SSMC's efforts and confirm that no other subsurface utility is possibly undetected by these efforts.

SSMC will certify that the surface designation is within two (2) feet of the true underground position of the utility relative to the mark as shown on the surface in accordance with the plans provided and the reasonable efforts conducted to locate the utilities as outlined above.

SSMC shall not be held liable for any latent or unreasonably discoverable utilities in the project area. Furthermore in the event of a claim regarding the services provided in the proposal, SSMC shall have liability for reasonable and necessary defense costs to the extent caused by SSMC's negligence.

If SSMC is required to obtain permits to perform the service provided, these charges will also be additional and reflected on our invoice to you.

**Note:** In the event that Test Holes require a depth greater than ten (10) feet, or require a substantial amount of increased effort (sleeving, shoring, de-watering, etc.), then said Test Holes may need to be negotiated separately on a case by case basis if normal vacuum excavation practices do not allow said utilities to be exposed.



Page 3 Mr. Jay Morris, P.E. Oakland Shores Water Main Replacement June 20, 2016

**Note:** All utility sizes given are outside diameter unless otherwise specified and are approximate only due to uncontrollable field conditions that may be encountered during excavation.

**Note:** Any additional overlaying or restoration of pavement, other than the replacement of materials removed and cold patched, will be the responsibility of CPH, Inc.

Our fee for this project will be as follows:

Subsurface Utility Designation/Survey Collection:	\$3,696.00
Test Holes/Day Rate:	
\$384.00 Dirt/Each (anticipate 5)	\$1,920.00
\$438.00 Asphalt/Concrete/Each (anticipate 0)	
M.O.T. (SSMC) (Required for roadway test holes)	

\$576.00 per Lane Closure/Day Rate \$768.00 per Lane Closure/Night Rate

<u>Permitting</u>: (If required for roadway test holes) \$94.00 per hour + cost of permit

**Police Officer**: (Required) \$50.00 per hour (estimate 0)

# **Anticipated Project Total:**

# \$5,616.00

We anticipate completion of the above described work within four (4) weeks after receipt of approved permit and written notice to proceed. Payment is expected within thirty (30) days from date of invoice.

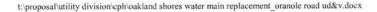
We look forward to the opportunity to work with you on this project.

Sincerely,

M. Scall As

M. Scott Sowards Utility Division Project Manager

MSS:gac





Page 4 Mr. Jay Morris, P.E. Oakland Shores Water Main Replacement June 20, 2016

If the above scope, period of service and method of compensation meets with your approval, please execute below and fax to SSMC as notice to proceed along with the notice of commencement.

If your firm prefers using your own standard PROFESSIONAL SERVICES AGREEMENT in lieu of this proposal letter, this document MUST BE furnished to SSMC, negotiated, and executed prior to the commencement of any service.

Send all Agreements to:

Orlando Corporate Office 6500 All American Boulevard Orlando, FL 32810. Fax: 407-292-0141 Email: info@southeasternsurveying.com

Your firm agrees that by (1) signing and returning this Proposal, or (2) partial or complete performance under this Proposal and SSMC has not received, negotiated and/or executed a PROFESSIONAL SERVICES AGREEMENT, then it is agreed that THE TERMS AND CONDITIONS IN THIS PROPOSAL SHALL GOVERN THE SERVICES RENDERED.

Furthermore, if requested, your firm acknowledges that by accepting this Proposal, SSMC will provide your firm with an insurance certificate that (1) contains the project name and (2) lists your firm as the certificate holder.

The person executing this document must indicate that he/she is a Principal and/or Corporate Officer.

If the signatory is not a Principal and/or Corporate Officer, a Letter of Authorization on company letterhead signed by a Principal and/or Corporate Officer, MUST be provided that specifically states that signatory has the authority to bind the parties by entering into this agreement.

ACCEPTED BY:

Principal / or Corporate Officer

TITLE

Printed Name

Date



# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-38

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8



# ADD-CHANGE FORM

	Change?	New F	Project	Assigned Project #	
Requested by:	Bryan K. Gong Project Manager / A			Date:	8/25/2016
Project Name:	Bear Lake WM	Replacement	s		
Company:	252	Utilities Inc	of Florida		
Business Unit:	252121	Bear Lake	Manor	BU Type:	WP
Project Owner:	Patrick C. Flyn	n		Budget Owner / RVP:	John Hoy
Project Manager:	Bryan K. Gong	re		10 10 - 20 - 51 - 51	
Start Date:	9/5/2016	Q3 2016		Region: State:	Florida
Estimated End Date:	3/30/2017	Q1 2017		otate.	PL.
Project Type:	Mainte	nance			
Will project replace/retir	e any assets:	Yes			
Previously Requested:					
This Request:	\$1,495,127				
Still to be Requested:	\$1,433,127	1.5.7.8			
Total Project Budget:	\$1,495,127				
Description: Remove and replace the followin A. 1,600 LF of 2" galvanized wa	ng items that are loc tter main	ated within the S	Seminole County right-of-w	ay:	
Description: Remove and replace the following	ng items that are loc ter main ment water main vey, an as-built surve cluded.	ey, right-of-way	permitting, and asset table	s that are in conformance	
Description: Remove and replace the followin A. 1,600 LF of 2" galvanized wa B. 14,800 LF of 4" asbestos cent C. 4 each 2" gate valves D. 26 each 4" gate valves E. 4 each 2" blow offs F. 225 water services G. 120 driveway sections . Production of a right-of-way sum momenclature and format are in CEI services will be utilized to size contract bidding services. Timeline Considerations: This project is one of six water of timing. Engineering services ar The quantity of mains and servited Remove the following services ar CEI services of six water of the services ar CEI services a	ng items that are loc ter main nent water main vey, an as-built surve cluded. upport right-of-way p main replacement pr re completed and all ce lines being replace	ey, right-of-way pemitting, produc ojects in Seminu permits excludin ced requires a tin	permitting, and asset table ction of as-built drawings, f ole County and one in Orar ng Seminole and Orange C mely issuance of a Notice o	s that are in conformance ield inspections during co nge County that are simila county right-of-way have t	ar in scope and been obtained.
Description: Remove and replace the followin A. 1,600 LF of 2" galvanized wa B. 14,800 LF of 4" asbestos cen C. 4 each 2" gate valves D. 26 each 4" gate valves E. 4 each 2" blow offs F. 225 water services G.120 driveway sections . Production of a right-of-way sum momenclature and format are im CEI services will be utilized to s	ng items that are loc ter main nent water main vey, an as-built surve cluded. upport right-of-way p main replacement pr re completed and all ce lines being replace	ey, right-of-way pemitting, produc ojects in Seminu permits excludin ced requires a tin	permitting, and asset table ction of as-built drawings, f ole County and one in Orar ng Seminole and Orange C mely issuance of a Notice o	s that are in conformance ield inspections during co nge County that are simila county right-of-way have t	ar in scope and been obtained.



### Justification and Benefits:

Utilities. Inc.

The Bear Lake water system serves 224 connections and was originally built in 1958 and is thus 58 years old. The system is comprised of Asbestos Cement (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints and elevated TTHM/HAA5 levels, particularly within the areas that have galvanized pipe material. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires that the Utility remove all existing water mains located within their right-of-way except mains under county roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves in place at the appropriate location and configuration, staff will be able to isolate portions of the distribution systems when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance and poses the potential for reduced TTHM/HAA5 levels. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Naturally occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels above MCL's. By replacing the water mains, gate valves and service connections reliability will be greatly improved, water quality will be improved and TTHM/HAA5 levels should be reduced.

### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	1,495,127					
Project Spend in Current Plan	900,000			-		
Variance	(595,127)				-	(if applicable)
CIAC Collected	1,495,127	1,495,127	1,495,127	1,495,127	1,495,127	(ii applicable)
	1,400,127	1,100,121	.,	.,,		
D&M Cost Impact B/(W) [						
Financial Justification						Stand Street Line
This project is a proforma include	ed in the 2016 UI	F consolidated r	ate case to be fi	led in 3Q16.		
		1.1.1	Served	Rate Payers		
Estimated Revenue Impact per	Customer:	Γ	(66)	(66.50)		
Number of Customers Impact			2,684	2,684.00		
					¥- 4	N-E
Utility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)	14/)	(27 279)	(74,756)	(74,756)	(74,756)	(74,756)
Depreciation Impact on EBIT B/( Under-recovery on capital B/(W)		(37,378) (27,333)	(103,724)	(98,118)	(92,511)	(86,904)
Net EBIT Impact B/(W)		(64,711)	(178,481)	(172,874)	(167,267)	(161,661)
		1			1	
Timing and Supporting Inform	ation on Rate R	ecovery	Owner and the	Carl Carl	ETHER EN	
This project is a proforma include	ed in the 2016 UI	F consolidated r	rate case to be f	iled in 3Q16.		
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Regulatory Plan Implications	and the second se					
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Bid     Company     Amount     Selecter       1     Traverse Group     \$1,485,269     Yes       2     Central Florida Tapping     \$1,707,721     No       3     ECO-2000     \$1,571,228     No   Component:       Amount     Amount       Value Bid Elements     1,485,269.00     \$1,671,228     No   Components (Parts / Materials Landscaping / Site Restoration Other Components (specify): Cap Time CPH Engineers (CEI, As Built, ROW Permits)     9,858.00   Components (CEI, As Built, ROW Permits)       9,858.00     9,858.00   Total Project Budget       1,495,127.00     anout fractor for Budget on General Information Service Lines Select from dropdown list select from dropdown list select from dropdown list
2       Central Florida Tapping       \$1,707,721       No         3       ECO-2000       \$1,571,228       No
3       ECO-2000       \$1,571,228       No         Component:       Amount         /alue Bid Elements       1,485,269.00       Frank match selected bids, shore         ingineering       1,485,269.00       Frank match selected bids, shore         Direct Purchase of Parts / Materials       1,485,269.00       Frank match selected bids, shore         andscaping / Site Restoration       9,858.00       Frank match selected bids, shore         Direct Purchase of Parts / Materials       9,858.00       9,858.00         Cap Time       9,858.00       9,858.00         CPH Engineers (CEI, As Built, ROW Permits)       9,858.00       9,858.00         Total Project Budget       1,495,127.00       Frank & Distr Mains         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines       select from dropdown list
Value Bid Elements       1,485,269.00         Engineering       Direct Purchase of Parts / Materials         andscaping / Site Restoration       9,858.00         Other Components (specify):       9,858.00         CPH Engineers (CEI, As Built, ROW Permits)       9,858.00         Total Project Budget       1,495,127.00         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains Service Lines select from dropdown list
Engineering
CPH Engineers (CEI, As Built, ROW Permits)       9,858.00         Total Project Budget       1,495,127.00         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines       select from dropdown list
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list
1130 Service Lines select from dropdown list
1130 Service Lines select from dropdown list
select from dropdown list
General Comments:



Approvals

Review Completed by	Nate Carver	Date:	8/29/2016	
Does project align with utility	plan and meet technical requirem	ents? Ye	s 🗹 No 🗌	
Comments				
This project aligns with the u	tility plan and meets UI technical r	equirements.		
Technical Peer Review				
Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No received in review incorporated)			
FP&A Review Review Completed by	Bryan K. Gongre	Date:	8/25/2016	
Does Project comply with cur	rrent Utility Rate and Regulatory P		s I No	
Comments				
				Applicable?
Annrovale				Applicable :
Approvals				
	Bryan K. Gongre	Date:	8/25/2016	
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	8/25/2016 8/30/2016	
Regional Manager: VP Operations:				
Approvals Regional Manager: VP Operations: President: Approval or Re-Direction C	Patrick C. Flynn	Date:		
Regional Manager: VP Operations:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
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Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
	•		
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

# UIF Water Main System Improvements Bid Results

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Utilities Inc. of Florida Bear Lake Manor System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	25000.00	25,000.00
2	Preconstruction Video	LS	1	2,500.00	2,500,00
3	Project Layout and Utility Locates	LS	1	30.000.00	30 000.00
4	Utility Maintenance of Traffic	LS	1	12000.00	18000.00
Water Mai	n			,	
5	Furnish & Install Service Connections	EA	240	1000.00	240,000.00
6	Furnish & Install 2" WM	LF	1,600	25.00	40 000,00
7	Furnish & Install 4" WM	LF	14,800	30,00	444'000.00
8	Furnish & Install Fittings	TON	3	5,500.00	16500.00
9	Furnish & Install 2" Gate Valve	EA	4	750.00	3,000.00
10	Furnish & Install 4" Gate Valve	EA	26	1.100.00	28 600.00
11	Furnish & Install 4" Tapping Sleeve and Valve	EA	1	2,850.00	2,850,00
12	Furnish & Install 2" Blow Off	EA	4	1,700.00	6 800.00
13	Remove and Replace Driveway	EA	120	1,900,00	228 000,00
Demolitio	n				1
14	Remove Existing Water Main	LF	16,400	35.00	574000.00
15	Remove Valve	EA	23	240.00	5520.00
1	Subtotal		_		1,664,770.00
	Permit Fee (2.58%)				42,951.07
	Total Bid				1.707 721.07

# Utilities Inc. of Florida

Bear Lake Manor System Engineer's Bid Schedule CPH Project No. U07144

<b>ITEM No</b>	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	32750.00	32, 150, 00
2	Preconstruction Video	LS	1	7500.13	7500,13
3	Project Layout and Utility Locates	LS	1	8953,00	8953,00
4	Utility Maintenance of Traffic	LS	1	16500.00	16500,00
Water Mai	n				
5	Furnish & Install Service Connections	EA	240	1250.00	300,000.00
6	Furnish & Install 2" WM	LF	1,600	17,50	28000,00
7	Furnish & Install 4" WM	LF	14,800	19,95	295260.00
8	Furnish & Install Fittings	TON	3	5000.00	15000.00
9	Furnish & Install 2" Gate Valve	EA	4	1000.00	4000.00
10	Furnish & Install 4" Gate Valve	EA	26	1500,00	39000.00
11	Furnish & Install 4" Tapping Sleeve and Valve	EA	1	4500,00	4500,00
12	Furnish & Install 2" Blow Off	EA	4	1250,00	5000,00
13	Remove and Replace Driveway	EA	120	3000.00	360000.00
Demolitio	n				
14	Remove Existing Water Main	LF	16,400	20,00	328000,00
15	Remove Valve	EA	23	150.00	3450.00
	Subtotal				1447913.13
	Permit Fee (2.58%)				37356.14
	Total Bid				1,485.249.29

# Utilities Inc. of Florida

Bear Lake Manor System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$48,447.00	\$48,447.00
2	Preconstruction Video	LS	1	\$3,400.00	\$3,400.00
3	Project Layout and Utility Locates	LS	1	\$37,386.00	\$37,386.00
4	Utility Maintenance of Traffic	LS	1	\$18,000.00	\$18,000.00
Water Mai	n				
5	Furnish & Install Service Connections	EA	240	\$650.00	\$156,000.00
6	Furnish & Install 2" WM	LF	1,600	\$28.00	\$44,800.00
7	Furnish & Install 4" WM	LF	14,800	\$32.00	\$473,600.00
8	Furnish & Install Fittings	TON	3	\$20,000.00	\$60,000.00
9	Furnish & Install 2" Gate Valve	EA	4	\$650.00	\$2,600.00
10	Furnish & Install 4" Gate Valve	EA	26	\$1,523.00	\$39,598.00
11	Furnish & Install 4" Tapping Sleeve and Valve	EA	1	\$5,200.00	\$5,200.00
12	Furnish & Install 2" Blow Off	EA	4	\$1,890.00	\$7,560.00
13	Remove and Replace Driveway	EA	120	\$1,400.00	\$168,000.00
Demolitio	n				
14	Remove Existing Water Main	LF	16,400	\$28.00	\$459,200.00
15	Remove Valve	EA	23	\$300.00	\$6,900.00
	Subtotal				\$1,530,691.00
	Permit Fee (2.58%)				\$40,537.68
	Total Bid				\$1,571,228.68

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# **EXHIBIT PCF-39**

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8



# ADD-CHANGE FORM

	Change?	New	Project	Assigned Project #	F	
Requested by:	Bryan K. Gong Project Manager / A			Date:	8/16/2016	
Project Name:	Crystal Lake W	/M Replaceme	ent			
Company:	252	Utilities Inc	of Florida			
Business Unit:	252117	Crystal La	ke	BU Type:	WP	
Project Owner:	Patrick C. Flyn	n		Budget Owner / RVP:	John Hoy	
Project Manager:	Bryan K. Gong	re		Region:	Florida	
Start Date:	9/5/2016	Q3 2016		State:	FL	
Estimated End Date:	3/31/2017	Q1 2017		State.		
Project Type:	Mainter	nance				
Will project replace/retir	e any assets:	Yes				
Previously Requested:						
This Request:	\$1,585,933					
Still to be Requested:		( ) ( ) (				
Total Project Budget:	\$1,585,933	1 2 2 2 2 2 2				
Description: Remove and replace the followin A. 800 LF of 2" galvanized wate		ated within the	Seminole County right-of-	way:		1
Remove and replace the followin A 800 LF of 2" galvanized water A 12,100 LF of 4" asbestos cent C 5,600 LF of 6" asbestos cent C 2 each 2" gate valves C 2 each 6" gate valves C 2 each 2" blow offs A 182 water services C 2 of driveway sections C 2 of driveway sections C 2 of the context of the context of the context C 2 each 6" interconnect betwee Production of a right-of-way support c 2 earvices will be utilized to se	er main ment water main ment water main een the Crystal Lake vey, an as-built surve cluded.	service area an ey, right-of-way	id the Phillips service area permitting and asset table	a. es that are in conformance		
Remove and replace the followin 8 800 LF of 2" galvanized water 8, 12,100 LF of 4" asbestos cent 2, 5,600 LF of 6" asbestos cent 2, 2 each 2" gate valves 2, 2 each 4" gate valves 3, 7 each 2" blow offs 4, 182 water services 95 driveway sections Construct 6" interconnect betwee Production of a right-of-way sum comenclature and format are im- CEI services will be utilized to si- contract bidding services.	er main ment water main ment water main een the Crystal Lake vey, an as-built surve cluded. support rigth-of-way p	service area an ey, right-of-way permitting, produ	Ind the Phillips service area permitting and asset table uction of as-built drawings	a. es that are in conformance , field inspections during c	onstruction and	
Remove and replace the followin A 800 LF of 2" galvanized water B 12,100 LF of 4" asbestos cern C 5,600 LF of 6" asbestos cern C 2 each 2" gate valves C 2 each 4" gate valves C 2 each 4" gate valves C 2 each 2" blow offs A 182 water services D 5 driveway sections Construct 6" interconnect betwee Production of a right-of-way sur- nomenclature and format are in- CEI services will be utilized to si- contract bidding services. Fimeline Considerations: This project is one of six water r- iming. Engineering services ar- the quantity of mains and services C 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	er main ment water main hent water main een the Crystal Lake vey, an as-built surve cluded. support rigth-of-way p main replacement pro- re completed and all ce lines being replace	service area an ey, right-of-way permitting, produ ojects in Semin permits excludi ced requires a ti	Ind the Phillips service area permitting and asset table uction of as-built drawings ole County and one in Ora ng Seminole and Orange mely issuance of a Notice	a. es that are in conformance , field inspections during c ange County that are simila County right-of-way have t	onstruction and ar in scope and been obtained.	
Remove and replace the following	er main ment water main hent water main een the Crystal Lake vey, an as-built surve cluded. support rigth-of-way p main replacement pro- re completed and all ce lines being replace	service area an ey, right-of-way permitting, produ ojects in Semin permits excludi ced requires a ti	Ind the Phillips service area permitting and asset table uction of as-built drawings ole County and one in Ora ng Seminole and Orange mely issuance of a Notice	a. es that are in conformance , field inspections during c ange County that are simila County right-of-way have t	onstruction and ar in scope and been obtained.	]



#### Justification and Benefits:

Utilities. Inc.

The Crystal Lake water system serves 182 connections and was originally built in 1955 and is thus 61 years old. The system is comprised of Asbestos Cement (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break. Some galvanized mains are located in a rear easement with water meters being inaccessible for reading and maintenance purposes.

Seminole County requires the Utility to remove all existing water mains located within the right-of-way except mains under county roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves at the appropriate location and configuration, staff will be able to isolate portions of the distribution system when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, undirectional flushing procedures can be scheduled that will improve system maintenance. Water meters located within the rear easement will be reolcated to the street side in the right of way making them accessible. Crystal Lake will be interconnected to the Phillips system, which will add greater system reliability and improved hydraulics. The Phillips system will then be merged under Ravenna Park as is Crystal Lake today. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Natrually occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels. By replacing the water mains, gate valves and service connections reliability will be greatly improved and water quality will be improved.

#### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

# **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend Project Spend in Current Plan	1,585,933 400,000					
/ariance	(1,185,933)	No. of Lot of Lot of Lot		•)		
CIAC Collected	(1,100,000)					(if applicable)
Net Rate Base	1,585,933	1,585,933	1,585,933	1,585,933	1,585,933	
		The second second	TT TT		All and a second second	
D&M Cost Impact B/(W)			Sec. Polar		THE PARTY OF	
Financial Justification			18-18-1-1		In the second	State of the second
This project is a pro-forma includ	led in the 2016 U	IF consolidated	rate case to be f	iled in 3Q16.		
			Served	Rate Payers		
Estimated Revenue Impact per	r Customer:		(71)	(70.54)		
Number of Customers Impac			2,684	2,684		
Number of Customers impac	lou.					
		V- 4	Yr 2	Yr 3	Yr 4	Yr 5
Utility Financial Impact		Yr 1	112	113	1	
O&M Impact on EBITDA B/(W)			-	-	-	-
Depreciation Impact on EBIT B/(		(39,648)	(79,297)	(79,297)	(79,297)	(79,297)
		(28,993)	(110,024)	(104,077)	(98,130)	(92,182)
Under-recovery on capital B/(W)		(68,641)	(189,321)	(183,374)	(177,426)	(171,479)
Under-recovery on capital B/(W) Net EBIT Impact B/(W)						
Net EBIT Impact B/(W)	ation on Rate R	ecoverv				
Net EBIT Impact B/(W) Timing and Supporting Inform	nation on Rate R	ecovery	rate ages to be	filed in 2016		
Net EBIT Impact B/(W) Timing and Supporting Inform	nation on Rate R ded in the 2016 U	IF consolidated	rate case to be	filed in 3Q16.		
Net EBIT Impact B/(W) Timing and Supporting Inform	nation on Rate R ded in the 2016 U	IF consolidated	rate case to be	filed in 3Q16.		
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Net EBIT Impact B/(W) Timing and Supporting Inform This project is a pro-forma includ Regulatory Plan Implications	hation on Rate R	IF consolidated	rate case to be	filed in 3Q16.		



Bid	Company			Amount	Selected
1	Traverse Group			\$1,810,693	No
2	Central Florida Tap	ping		\$1,862,191	No
3	ECO-2000			\$1,573,700	Yes
Component:		Amount			
/alue Bid Elements Engineering Direct Purchase of Parts / .andscaping / Site Restor Dther Components (specil Dan Timo	ation	1,573,700.00 and			
Cap Time CPH Engineers (CEI, As E	Built, ROW Permits)	12,233.00			
Fotal Project Budget Object Account(s) to	which project will be cl		1125 1130	Trans & Distr M Service Lines select from drop	lains odown list
				select from drop select from drop	odown list
				Go to Refe	rence List

Utilities, Inc. 10

Approvals

EAM Prime Review Review Completed by Does project align with utility p Comments	lan and meet technical requirem	Date: nents? Ye	es 🗌 No 🗌	
Technical Peer Review Review Sponsored by Approval to proceed Comments (note if feedback re	Patrick C. Flynn Yes No	Date Held	8/25/2016	
FP&A Review Review Completed by Does Project comply with curre Comments	Bryan K. Gongre ent Utility Rate and Regulatory P	Date: lan? Ye	8/25/2016 ≥s	
Approvals				Applicable?
Regional Manager:	Bryan K. Gongre	Date:	8/25/2016	2
VP Operations:	Patrick C. Flynn	Date:	8/30/2016	
President:		Date:		
Approval or Re-Direction Co	nments			

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

### UIF Water Main System Improvements Bid Results

Crystal Lake System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	95000,00	95000.00
2	Preconstruction Video	LS	1	11500,00	11500.00
3	Project Layout and Utility Locates	LS	1	9500,00	9500,00
4	Utility Maintenance of Traffic	LS	1	25000,00	25000,00
Water Mai	n				
5	Furnish & Install Service Connections	EA	195	1450,00	282750,00
6	Furnish & Install 2" WM	LF	800	24.50	1960000
7	Furnish & Install 4" WM	LF	12,100	25.50	308550.00
8	Furnish & Install 6" WM	LF	5,600	29.75	166600,0
9	Furnish & Install 6" WM HDPE by HDD at SR 46A	LF	180	35.85	6453,00
10	Furnish & Install Fittings	TON	4	7500,00	30,000,00
11	Furnish & Install 2" Gate Valve	EA	2	1100,00	2200,00
12	Furnish & Install 4" Gate Valve	EA	22	1250.00	27500,00
13	Furnish & Install 2" Blow Off	EA	7	2000,00	14000,00
14	Remove and Replace Driveway	EA	95	3200,00	304000,00
Demolitio	n				
15	Remove Existing Water Main	LF	18,400	25.00	460000,00
16	Remove Valve	EA	10	250,00	2500,00
	Subtotal				1765.153,00
	Permit Fee (2.58%)				45.540.95
	Total Bid				1 810 693,95

Crystal Lake System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$62,880.00	\$62,880.00
2	Preconstruction Video	LS	1	\$6,427.00	\$6,427.00
3	Project Layout and Utility Locates	LS	1	\$32,000.00	\$32,000.00
4	Utility Maintenance of Traffic	LS	1	\$20,486.00	\$20,486.00
Water Mai	n				
5	Furnish & Install Service Connections	EA	195	\$550.00	\$107,250.00
6	Furnish & Install 2" WM	LF	800	\$18.00	\$14,400.00
7	Furnish & Install 4" WM	LF	12,100	\$28.00	\$338,800.00
8	Furnish & Install 6" WM	LF	5,600	\$32.00	\$179,200.00
9	Furnish & Install 6" WM HDPE by HDD at SR 46A	LF	180	\$65.00	\$11,700.00
10	Furnish & Install Fittings	TON	4	\$20,000.00	\$80,000.00
11	Furnish & Install 2" Gate Valve	EA	2	\$650.00	\$1,300.00
12	Furnish & Install 4" Gate Valve	EA	22	\$1,523.00	\$33,506.00
13	Furnish & Install 2" Blow Off	EA	7	\$1,850.00	\$12,950.00
14	Remove and Replace Driveway	EA	95	\$1,200.00	\$114,000.00
Demolition	1				
15	Remove Existing Water Main	LF	18,400	\$28.00	\$515,200.00
16	Remove Valve	EA	10	\$300.00	\$3,000.00
	Subtotal				\$1,533,099.00
	Permit Fee (2.58%)				\$40,601.46
	Total Bid				\$1,573,700.46

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CENTRAL	Fle	Rida	1	AP	P	Nº9	1
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Crystal Lake System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	40 500.00	40,500.00
2	Preconstruction Video	LS	1	2,900.00	2.900.00
'3	Project Layout and Utility Locates	LS	1	50,195.00	50185.00
4	Utility Maintenance of Traffic	LS	1	22,000,00	22,000.00
Water Mai	n	_			
5	Furnish & Install Service Connections	EA	195	1.000.00	195,000,00
6	Furnish & Install 2" WM	LF	800	26.00	20800.00
7	Furnish & Install 4" WM	LF	12,100	31.00	375100.00
8	Furnish & Install 6" WM	LF	5,600	50.00	2.2000000
9	Furnish & Install 6" WM HDPE by HDD at SR 46A	LF	180	125.00	27,500,00
10	Furnish & Install Fittings	TON	4	4,000.00	24000.00
11	Furnish & Install 2" Gate Valve	EA	2	795.00	1,590.00
12	Furnish & Install 4" Gate Valve	EA	22	1,190,00	24.180.00
13	Furnish & Install 2" Blow Off	EA	7	1,500.00	10,500.00
14	Remove and Replace Driveway	EA	95	2,000,00	190,000,00
Demolitio	n				
15	Remove Existing Water Main	LF	18,400	30.00	552,000.00
16	Remove Valve	EA	10	210.00	2,100.00
	Subtotal				1,015,355.00
	Permit Fee (2.58%)				46, 836.16
	Total Bid				1,862,191.10

#### **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

#### **EXHIBIT PCF-40**

#### OF

#### PATRICK C. FLYNN

#### on behalf of

### Utilities, Inc. of Florida8



#### ADD-CHANGE FORM

Requested by:		New Project	Assigned Project #	
	Bryan K. Gong Project Manager / A		Date:	8/16/2016
Project Name:	Little Wekiva V	VM Replacements		
Company:	252	Utilities Inc of Florida		
Business Unit:	252114	Little Wekiva	BU Type:	WP
Project Owner:	Patrick C. Flyn	n		
Project Manager:	Bryan K. Gong	re	Budget Owner / RVP:	John Hoy
Start Date:	9/5/2016	Q3 2016	Region:	Florida
Estimated End Date:	3/31/2017	Q1 2017	State:	FL
Project Type:	Mainte	nance		
Will project replace/retir	re any assets:	Yes		
Previously Requested:				
This Request:	\$521,681			
Still to be Requested:				
	\$521,681			
move and replace the followi	ing items that are loc	ated within the Seminole County ri	ight-of-way:	
escription: move and replace the followi 1,350 LF of 2" galvanized wa 2,750 LF of 4" asbestos cem 6 each 4" GVs 4 each 2" blow offs 61 water services 35 driveway sections oduction of a right-of-way sur menclature and format are in 51 services will be utilized to s	ing items that are loc ater main ent water main vey, an as-built surve cluded.	ated within the Seminole County ri ey, right-of-way permitting and ass permitting, production of as-built dr	et tables that are in conformance	
escription: move and replace the followi 1,350 LF of 2" galvanized wa 2,750 LF of 4" asbestos cem 6 each 4" GVs 4 each 2" blow offs 61 water services 35 driveway sections oduction of a right-of-way sur- menclature and format are in El services will be utilized to s intract bidding services.	ing items that are loc iter main ent water main vey, an as-built surve cluded. support rigth-of-way p main replacement pro re completed and all ce lines being replace	ey, right-of-way permitting and ass permitting, production of as-built dr ojects in Seminole County and one permits excluding Seminole and C ced requires a timely issuance of a	et tables that are in conformance awings, field inspections during co e in Orange County that are simila brange County right-of-way have b	onstruction and ar in scope and been obtained.
escription: move and replace the followi 1,350 LF of 2" galvanized wa 2,750 LF of 4" asbestos cem 6 each 4" GVs 4 each 2" blow offs 61 water services 35 driveway sections oduction of a right-of-way sur- menclature and format are in El services will be utilized to s ntract bidding services. meline Considerations: is project is one of six water m ing. Engineering services ar e quantity of mains and servi	ing items that are loc iter main ent water main vey, an as-built surve cluded. support rigth-of-way p main replacement pro re completed and all ce lines being replace	ey, right-of-way permitting and ass permitting, production of as-built dr ojects in Seminole County and one permits excluding Seminole and C ced requires a timely issuance of a	et tables that are in conformance awings, field inspections during co e in Orange County that are simila brange County right-of-way have b	onstruction and ar in scope and been obtained.



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Little Wekiva water system serves 61 connections and was originally built in 1958 and is thus 58 years old. The system is comprised of Asbestos Cement (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred with the distribution system contributing to water quality complaints. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires the Utility to remove all existing water mains located within the right-of-way except mains under county roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With gate valves at the appropriate location and configuration, staff will be able to isolate portions of the distribution when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

#### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of serviceprovided to the customers. By replacing the water mains, gate valves and service connections reliability will be greatly improved and water quality will be improved.

#### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

#### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	521,681					
Project Spend in Current Plan	250,000					
Variance	(271,681)	411			-	
CIAC Collected	F04 004	F04 004	504 004	504 004	504 004	(if applicab
Net Rate Base	521,681	521,681	521,681	521,681	521,681	
O&M Cost Impact B/(W)				1		
	CONTRACTOR	THERE	20.00	2123	1.1.1.1	
Financial Justification	1000	1 Standard	2.6			
This project is a pro-forma includ	ied in the 2016	UIF consolida	ited rate case	to be filed in 3	010.	
			Some	Rate Para		
Estimated Dourses Inc.	Customer	The second second		Rate Payers		
Estimated Revenue Impact per	Customer:	-	(23)	(23.20)		
Number of Customers Impact	ed:		2,684	2,684.00		
		× .	N-C	V-0	V-4	V-E
Utility Financial Impact	-	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		110.0101	-	-	-	-
Depreciation Impact on EBIT B/(		(13,042)	(26,084)	(26,084)	(26,084)	(26,084)
Under-recovery on capital B/(W)	1940-1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1947 - 1	(9,537)	(36,192)	(34,235)	(32,279)	(30,323)
Net EBIT Impact B/(W)		(22,579)	(62,276)	(60,319)	(58,363)	(56,407)
		D				
Timing and Supporting Inform	ation on Rate	Recovery				
This project is a pro-forma includ	led in the 2016	UIF consolida	ated rate case	to be filed in 3	3Q16.	
	_					
Regulatory Plan Implications	The survey	ALC: NO	and the second			
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						
Regulatory Plan Implications						



Bid	Company			Amount	Selected
1	Traverse Group			\$511,823	Yes
2	Central Florida Tapp	bing		\$518,890	No
3	ECO-2000			\$550,273	No
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Landscaping / Site Restor Other Components (specif Cap Time	ation	511,823.00			
	CPH Engineers (CEI, As Built, ROW Permits)				
Total Project Budget					
	which project will be cl		1125	Trans & Distr I	
	which project will be cl				Mains opdown list
	which project will be cl		1125	Trans & Distr I Service Lines select from dro select from dro select from dro	Mains opdown list opdown list opdown list
	which project will be cl		1125	Trans & Distr I Service Lines select from dro select from dro select from dro	Mains opdown list opdown list



Approvals

Review Completed by	Nate Carver	Date:	8/29/2016	
Does project align with utility Comments	plan and meet technical requirem	ents? Ye	s 🗹 No 🗌	
	ility plan and meets UI technical n	equirements.		
	7 E			
Technical Peer Review Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No	Dute Held	012012010	
Comments (note if feedback	received in review incorporated)			
FP&A Review				
Review Completed by	Bryan K. Gongre	Date:	8/25/2016	
Does Project comply with cur Comments	rrent Utility Rate and Regulatory P	lan? Ye	es ☑ No 🗌	
Comments				
Approvals				Applicable?
	Bryan K. Gongre	Date:	8/25/2016	Applicable?
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	8/25/2016 8/30/2016	
Approvals Regional Manager: VP Operations: President:				
VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

## UIF Water Main System Improvements Bid Results

Little W Enginee	CENTRAL ) es Inc. of Florida ekiva System er's Bid Schedule roject No. U07144				
ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	35,000,00	35 000.0 0
2	Preconstruction Video	LS	1	1.000.00	1,000.00
3	Project Layout and Utility Locates	LS	1)	18,000,00	18000,00
4	Utility Maintenance of Traffic	LS	1	7,500.00	7.500,00
Water Mai	n			1	
5	Furnish & Install Service Connections	EA	67	1,200.00	80,40000
6	Furnish & Install 2" WM	LF	1,350	24.00	35 100.00
•7	Furnish & Install 4" WM	LF	2,750	35.00	96 250.00
8	Furnish & Install Fittings	TON	1	5,500.00	5 500.00
9	Furnish & Install 4" Gate Valve	EA	6	1,200,00	1,200.00
10	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	2,850.00	2,950.00
11	Furnish & Install 2" Blow Off	EA	4	1.760.00	7.040.00
12	Remove and Replace Driveway	EA	35	2.100,00	73,500,00
Demolitio					-1
13	Remove Existing Water Main	LF	3,900	35.00	136,500.00
į.	Subtotal				505,840.00
	Permit Fee (2.58%)				13050,67
	Total Estimated Cost				519 890.07

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Little Wekiva System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	29000.00	29000,00
2	Preconstruction Video	LS	1	5500,07	5500,07
3	Project Layout and Utility Locates	LS	1	9500.00	9500,00
4	Utility Maintenance of Traffic	LS	1	22500,00	22500,00
Nater Mai	n				
5	Furnish & Install Service Connections	EA	67	1350,00	90450,00
6	Furnish & Install 2" WM	LF	1,350	19,87	26824,00
7	Furnish & Install 4" WM	LF	2,750	27,50	75625,10
8	Furnish & Install Fittings	TON	1	7500,00	7500,00
9	Furnish & Install 4" Gate Valve	EA	6	1000,00	6000.00
10	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	3750,00	3750,00
11	Furnish & Install 2" Blow Off	EA	4	1250,00	5000,00
12	Remove and Replace Driveway	EA	35	3200,00	112000.00
Demolitio	n			1	
13	Remove Existing Water Main	LF	3,900	27.00	10.5300,00
	Subtotal				498950, 17
	Permit Fee (2.58%)				12872.91
	Total Estimated Cost				511823.08

Little Wekiva System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$78,573.00	\$78,573.00
2	Preconstruction Video	LS	1	\$3,500.00	\$3,500.00
3	Project Layout and Utility Locates	LS	1	\$21,896.00	\$21,896.00
4	Utility Maintenance of Traffic	LS	1	\$31,359.00	\$31,359.00
Nater Mai	n				•
5	Furnish & Install Service Connections	EA	67	\$950.00	\$63,650.00
6	Furnish & Install 2" WM	LF	1,350	\$28.00	\$37,800.00
7	Furnish & Install 4" WM	LF	2,750	\$36.00	\$99,000.00
8	Furnish & Install Fittings	TON	1	\$20,000.00	\$20,000.00
9	Furnish & Install 4" Gate Valve	EA	6	\$1,523.00	\$9,138.00
10	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	\$5,400.00	\$5,400.00
<sup>`</sup> 11	Furnish & Install 2" Blow Off	EA	4	\$1,890.00	\$7,560.00
12	Remove and Replace Driveway	EA	35	\$1,400.00	\$49,000.00
Demolition	1				
13	Remove Existing Water Main	LF	3,900	\$28.00	\$109,200.00
	Subtotal				\$536,076.00
	Permit Fee (2.58%)				\$14,194.04
	Total Estimated Cost				\$550,273.04

#### **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

#### **EXHIBIT PCF-41**

#### OF

#### PATRICK C. FLYNN

#### on behalf of

### Utilities, Inc. of Florida8

## **Kimley**»Horn

April 4, 2016

Bryan Gongre Utilities Inc., of Florida 200 Weathersfield Ave. Altamonte Springs, FL 32714

Re: Northwestern Force Main Replacement Weathersfield Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the relocating the force main from the Northwestern lift station. The force main is reaching the end of its useful life and needs to be replaced. There are a few options for replacing the force main which should be compared to determine the most cost effective route.

#### **Project Understanding**

It is our understanding that the existing force main is nearing the end of its useful life and needs to be replaced. Further, the existing route of the force main is no longer desirable and an alternate route needs to be determined. There are two viable routes. One route is south from the lift station along Northwestern Avenue to Oaklando Drive, then east on Oaklando to the connection point with the Altamonte Springs force main. This route is an estimated 2,500 linear feet. The second route goes north along Northwestern Avenue crossing the Little Wekiva River to a manhole at Veneer. This route is approximately 850 linear feet.

#### Scope of Services

Kimley-Horn will provide the services specifically set forth below.

Task 1 – Force Main Design.

This task is the preparation of plans and specifications for the selected force main route. The plans will be developed using aerials and the County GIS base maps. Specific details for the route will be prepared for any profiles or cross sections necessary. Either route will require lift station improvements. The necessary lift station improvements will be designed and shall include the replacement of the pumps and panel. No additional improvements to the lift station is planned to be included in this project. Additional detail sheets will include the Utility's standard construction details and notes.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors. Bid documents will be electronically distributed to bidders. Any questions during the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and tabulated for consideration.

Task 2 - Permitting.

FDEP permitting will be required for this project for the force main route and the river crossing. A right

3660 Maguire Blvd, Suite 200, Orlando, FL 32803

## **Kimley**»Horn

of way utilization permit will likely be required by Seminole County.

Task 3 - Construction Services.

This task will include any shop drawing review, responses to contractor questions, inspection of progress (as requested), review of final testing and clearance, and record drawing preparation.

#### Services Not Included

Any other services, including but not limited to the following, are not included in this Agreement:

- Surveying
- Geotechnical
- Structural

#### Additional Services

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates.

#### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

#### Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 3 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1 Force Main Relocation De	sign \$13.000
Task 2 Permitting	\$4,000
Task 3 Construction Services	\$2,500
Total Lump Sum Fee	\$19,500

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

#### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

Kimley-Horn, in an effort to expedite invoices and reduce paper waste, submits invoices via email in an Adobe PDF format. We can also provide a paper copy via regular mail if requested. Please include the invoice number and Kimley-Horn project number with all payments.

407-898-1511

## **Kimley»Horn**

If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy, and return the other to us. We will commence services only after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for ninety (90) days after the date of this letter.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours? KIMLEY-HORN AND ASSOCIATES, INC.

Steve Romano, PE By

Sr. Project Manager

Authorized By Sr V.P. Title:

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Printed Name:

Title:

4/11/16 Date

Attachment - Standard Provisions

kimley-horn.com 3660 Maguire Blvd, Suite 200, Orlando, FL 32803

#### KIMLEY-HORN AND ASSOCIATES, INC.

#### STANDARD PROVISIONS

(1) Consultant's Scope of Services and Additional Services. The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform Additional Services, which shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.15 times cost.

(2) Client's Responsibilities. In addition to other responsibilities described herein or imposed by law, the Client shall:
 (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.

(b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.

(c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, upon all of which the Consultant may rely.

(d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.

(e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.

(f) Furnish approvals and permits from governmental authorities having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.

(g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require.

(h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope, timing, or payment of the Consultant's services or any defect or noncompliance in any aspect of the project.
 (i) Bear all costs incidental to the responsibilities of the Client.

(3) Period of Services. Unless otherwise stated herein, the Consultant will begin work timely after receipt of a properly executed copy of this Agreement and any required retainer amount. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

(4) Method of Payment. Compensation shall be paid to the Consultant in accordance with the following provisions: (a) Invoices will be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due to the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services and withhold deliverables until all amounts due are paid in full and may commence proceedings, including filing liens, to secure its right to payment under this Agreement.

(b) If the Client relies on payment or proceeds from a third party to pay Consultant and Client does not pay Consultant's invoice within 60 days of receipt, Consultant may communicate directly with such third party to secure payment.

(c) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing. If the Client objects to only a portion of the invoice, payment for all other portions remains due within 25 days of receipt.
 (d) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) Use of Documents. All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from

all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) **Opinions of Cost.** Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) Termination. The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) Insurance. The Consultant carries Workers' Compensation insurance, professional liability insurance in the amount of \$2,000,000 per claim, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) Standard of Care. The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by consultants performing the same or similar services in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) LIMITATION OF LIABILITY. In recognition of the relative risks and benefits of the Project to the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever anising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or \$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) Mutual Waiver of Consequential Damages. In no event shall either party be liable to the other for any consequential, incidental, punitive, or indirect damages including but not limited to loss of income or loss of profits.

(12) Certifications. The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

(13) Dispute Resolution. All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Procedures of the American Arbitration Association as a condition precedent to litigation.

(14) Hazardous Substances and Conditions. In no event shall Consultant be a custodian, transporter, handler,

arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated.

#### (15) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultants, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) **Confidentiality.** The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(18) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision.

(19) PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

# Kimley »Horn

3003141 Po# 219496 Recet.# 229144

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 8010371 Invoice Date: Jun 30, 2016 Invoice Amount: \$6,550.00

Project No: 149685006.1 Project Name: NORTHWESTERN FM RELOC Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Jun 30, 2016

Federal Tax Id: 56-0885615

#### LUMP SUM

Total LUMP SUM					6,550.00
Subtotal	19,500.00	50.26%	9,800.00	3,250.00	6,550.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
TASK 2 - PERMITTING	4,000.00	50.00%	2,000.00	0.00	2,000.00
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	60.00%	7,800.00	3,250.00	4,550.00
Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due

DESCRIPTION OF SERVICES PERFORMED: ROUTE EVALUATION AND DRAFTING

Total Invoice: \$6,550.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

Invoice for Professional Services

# Kimley »Horn.

Invoice for Professional Services

3008141 PO#214484 Rocel#224179

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7722092 Invoice Date: Apr 30, 2016 Invoice Amount: \$650.00

Project No: 149685006.1 Project Name: NORTHWESTERN FM RELOC Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Apr 30, 2016

Federal Tax Id: 56-0885615

#### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	5.00%	650.00	0.00	650.00
TASK 2 - PERMITTING	4,000.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	3.33%	650.00	0.00	650.00
Total LUMP SUM					650.00

DESCRIPTION OF SERVICES PERFORMED: CONCEPTUAL DESIGN FOR RIVER CROSSING

#### Total Invoice: \$650.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

# Kimley »Horn\_

3008141 PDH 217404

Reept# 227095

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714 Invoice No: 7930109 Invoice Date: May 31, 2016 Invoice Amount: \$2,600.00

Project No: 149685006.1 Project Name: NORTHWESTERN FM RELOC Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through May 31, 2016

P.O. BOX 932520 ATLANTA, GA 31193-2520

KIMLEY-HORN AND ASSOCIATES, INC.

Federal Tax Id: 56-0885615

Please send payments to:

#### LUMP SUM

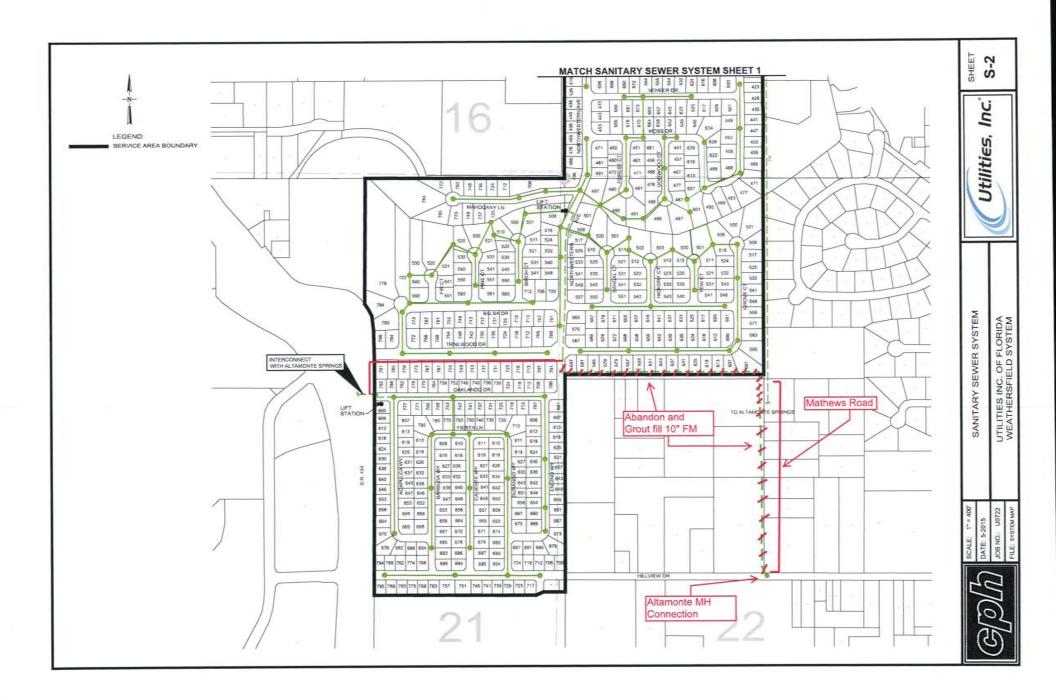
Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - FORCE MAIN RELOCATION DESIGN	13,000.00	25.00%	3,250.00	650.00	2,600.00
TASK 2 - PERMITTING	4,000.00	0.00%	0.00	0.00	0.00
TASK 3 - CONSTRUCTION SERVICES	2,500.00	0.00%	0.00	0.00	0.00
Subtotal	19,500.00	16.67%	3,250.00	650.00	2,600.00
Total LUMP SUM					2,600.00

DESCRIPTION OF SERVICES PERFORMED: PRELIMINARY DESIGN

Total Invoice: \$2,600.00

If you have questions or concerns regarding this invoice, please call Joel Wesselius @ 407-427-1626

Invoice for Professional Services



### **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

#### EXHIBIT PCF-42

#### OF

#### PATRICK C. FLYNN

#### on behalf of

### Utilities, Inc. of Florida8



### ADD-CHANGE FORM

	hange?	New Project	Ass	signed Project #		
Requested by:	Bryan K. Gong Project Manager / A			Date:	8/16/2016	
Project Name:	Oakland Shore	s WM Replacement				
Company:	252	Utilities Inc of Flori	ida			
Business Unit:	252113	Oakland Shores	BU	Type:	WP	
Project Owner:	Patrick C. Flyn	n		Iget Owner / RVP:	John Hoy	
Project Manager:	Bryan K. Gong	re			Florida	
Start Date:	9/5/2016	Q3 2016	Reg	lion:	FL	
Estimated End Date:	3/31/2017	Q1 2017	Sta	.e.		
Project Type:	Mainte	nance				
Will project replace/retir	e any assets:	Yes				
Previously Requested:						
This Request:	\$1,571,701	Section States				
Still to be Requested:	\$1,011,101					
Total Project Budget:	\$1,571,701					
Description: Remove and replace the followi A. 13,200 LF of 4" asbestos cer	ng tiems that are loc	ated within the Seminol	e County right-of-way:			1
Description: Remove and replace the followi A. 13,200 LF of 4" asbestos cer 3. 3,700 LF of 6" asbestos cer C. 20 each 4" gate valves D. 8 each 6" gate valves E. 2 each 2" blow offs F. 226 water services G. 110 driveway sections H. 400 LF of sidewalk Production of a right-of-way sur	ng tiems that are loo nent water main ent water main vey, an as-built surv			are in conformance	with GIS	
Description: Remove and replace the followi A, 13,200 LF of 4" asbestos cerr 3, 3,700 LF of 6" asbestos cerr C, 20 each 4" gate valves D, 8 each 6" gate valves E, 2 each 2" blow offs F, 226 water services G, 110 driveway sections H, 400 LF of sidewalk	ng tiems that are loo nent water main ent water main vey, an as-built surv cluded.	ey, right-of-way permittin	ng and asset tables that a			
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#### JUSTIFICATION / ALTERNATIVES

#### **Justification and Benefits:**

The Oakland Shores water system serves 226 connections and was originally built in 1961and is thus 55 years old. The system is comprised of Asbestos Concrete (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred with the distribution system contributing to water quality complaints and elevated TTHM/HAA5 levels, particularly within the areas that have galvanized pipe material. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires the Utility to remove all existing water mains located within the right-of-way except mains under County roads that can be grouted in place. AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With gate valvess at the appropriate location and configuration, staff will be able to isolate portions of the distribution system when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will imporve system maintenance and poses the potential for reduced TTHM/HAA5 levels. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

#### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. Natrually occurring organics in the groundwater, when combined with chlorine, will elevate TTHM/HAA5 levels above MCLs. By replacing the water mains, gate valves and service connections reliability will be greatly improved, water quality will be improved and TTHM/HAA5 levels should be reduced.

#### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

#### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



Financial and Regulatory Implications

Capital Plan Proposed Project Spend [	Yr 1 1,571,681	Yr 2	Yr 3	Yr 4	Yr 5	
Project Spend in Current Plan	800,000					
ariance	(771,681)			10 10 1 2 1 1 1	100	
CIAC Collected	(//1,001)					(if applicable)
Net Rate Base	1,571,681	1,571,681	1,571,681	1,571,681	1,571,681	(
			T Starter			
D&M Cost Impact B/(W)						
inancial Justification	12 21	12 12 1 1 1	1.4.4	Charles 19	1.4	A STEW AND
This project is a pro-forma include	ed in the 2016 UI	F consolidated	rate case to be	filed in 3Q16.		
			State Annual State	unano anti anti		
		20 C	Served	Rate Payers		
Estimated Revenue Impact per	Customer:		(70)	(69.90)		
			2,684	2,684		
Number of Customers Impact	ed:					
Number of Customers Impact	ed:			1		
	ed:	V- 4		V-2	V- 4	V-E
Jtility Financial Impact	ed:	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Jtility Financial Impact D&M Impact on EBITDA B/(W)			Yr 2	-	-	
Jtility Financial Impact D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V		(39,292)	Yr 2 - (78,584)	(78,584)	- (78,584)	- (78,584)
Jtility Financial Impact D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W)		(39,292) (28,732)	Yr 2 (78,584) (109,035)	- (78,584) (103,142)	- (78,584) (97,248)	- (78,584) (91,354)
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1         Traverse Group         \$1,552,553         Yes           2         Central Florida Tapping         \$1,825,970         No	Bid	Company			Amount	Selected
2       Central Florida Tapping       \$1,825,970       No         3       ECO-2000       \$1,650,071       No         Component:       Amount         /alue Bid Elements       1,552,553.00       Forder methods above         Direct Purchase of Parts / Materials       1,552,553.00       Forder methods above         Other Components (specify):       2,200       19,148.00         Direct Purchase of CEI, As Built, ROW Permits)       19,148.00         Total Project Budget       1,571,701.00       House match Total Budget on General Internation         Object Account(s) to which project will be closed:       1125       Trans & Distr Mains Service Lines select from dropdown list selec						Yes
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Value Bid Elements       1,552,553.00         Engineering       Direct Purchase of Parts / Materials         Landscaping / Site Restoration       1,511,701.00         Direct Purchase of Parts / Materials       19,148.00         CPH Engineers (CEI, As Built, ROW Permits)       19,148.00         Total Project Budget       1,571,701.00         Discontert Account(s) to which project will be closed:       1125         Trans & Distr Mains       Service Lines         select from dropdown lisi       select from dropdown lisi         select from dropdown lisi       select from dropdown lisi         select from dropdown lisi       select from dropdown lisi	omponent:		Amount			
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Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list         select from dropdown list         select from dropdown list         Service Lines         select from dropdown list         Service Lines         Select from dropdown list         Select from dropdown list         Select from dropdown list						
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list         select from dropdown list         select from dropdown list         Service Lines         select from dropdown list         Service Lines         Select from dropdown list         Select from dropdown list         Select from dropdown list						
Object Account(s) to which project will be closed:       1125       Trans & Distr Mains         1130       Service Lines         select from dropdown list         select from dropdown list         select from dropdown list         Service Lines         select from dropdown list         Service Lines         Select from dropdown list         Select from dropdown list         Select from dropdown list						
1130 Service Lines select from dropdown list select from dropdown list select from dropdown list <u>Go to Reference List</u>	otal Project Budget		1,5/1,/01.00			
1130       Service Lines         select from dropdown list       select from dropdown list         select from dropdown list       select from dropdown list         Go to Reference List       Set	Object Account(s) to whi	ch project will be c	losed:	1125	Trans & Distr M	Mains
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select from dropdown list select from dropdown list <u>Go to Reference List</u>					select from dro	pdown list
Select from dropdown list Go to Reference List						
Go to Reference List						
General Comments:						
15	eneral Comments:			a light of the		
					40	

Utilities, Inc.

Approvals

Review Completed by	Nate Carver	Date:	8/29/2016	
Does project align with utility p Comments	plan and meet technical requirem	nents? Ye	s No	
	lity plan and meets UI technical r	equirements.		
Technical Peer Review				
Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No			
Comments (note if feedback r	eceived in review incorporated)			
FP&A Review				
Review Completed by	Bryan K. Gongre	Date:	8/25/2016	
Does Project comply with curr Comments	ent Utility Rate and Regulatory F	Plan? Ye	s No	
				ApplicableQ
Approvals				Applicable?
Regional Manager:	Bryan K. Gongre	Date:	8/25/2016	
VP Operations:	Patrick C. Flynn	Date:	8/30/2016	
President:		Date:		
Approval or Re-Direction Co	omments			
Approval or Re-Direction Co	omments			
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Approval or Re-Direction Co	omments			
Approval or Re-Direction Co	omments			
Approval or Re-Direction Co	omments			

Area 1	CFT	TG	Есо
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
-	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

CENTRAL Florida TAPPING

Oakland Shores System Engineer's Bid Schedule CPH Project No. U07144

TEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	25,000.00	25,000.00
2	Preconstruction Video	LS	1	2,550.00	2,550.00
3	Project Layout and Utility Locates	LS	1	55,270.00	55 270.00
4	Utility Maintenance of Traffic	LS	1	25,500.00	25,500,00
Water Mai	n			17 - 57 - 17 - 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19	
5	Furnish & Install Service Connections	EA	226	900.00	203400,00
6	Furnish & Install 2" WM	LF	-		-
7	Furnish & Install 4" WM	LF	13,200	30.00	39600000
8	Furnish & Install 6" WM	LF	3,700	40.00	148 000.00
9	Furnish & Install 6" WM HDPE by HDD at Oranole Ave	LF	950	105.00	99 750,00
10	Furnish & Install Fittings	TON	3	4,400,00	13,200,00
11	Furnish & Install 4" Gate Valve	EA	20	890.00	17,800,00
12	Furnish & Install 6" Gate Valve	EA	8	1,100.00	8 800.00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	3.200.00	3.200,00
14	Furnish & Install 2" Blow Off	EA	2	1.500.00	3.000.00
15	Remove and Replace Driveway	EA	110	2,000.00	220,000.00
16	Remove and Replace Sidewalk	LF	400	35.00	1,400,00
Demolitio	n				
17	Remove Existing Water Main	LF	18,400	30.00	552.000.00
18	Remove Valve	EA	23	225.00	5,175.00
	Subtotal	1,780045.00			
	Permit Fee (2.58%)	45925.14			
	Total Estimated Cost	1,825,970,16			

Oakland Shores System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST		
1	General Conditions	LS	1	34500,00	36.500.00		
2	Preconstruction Video	LS	1	9500,00	9500,00		
3	Project Layout and Utility Locates	LS	1	9500.00	9500,00		
4	Utility Maintenance of Traffic	LS	1	23500,00	23500,00		
Water Main	n			- autory			
5	Furnish & Install Service Connections	EA	226	1250.00	282500,00		
6	Furnish & Install 2" WM	LF					
7	Furnish & Install 4" WM	LF	13,200	20.50	270600,00		
8	Furnish & Install 6" WM	LF	3,700	27.45	102305,00		
9	Furnish & Install 6" WM HDPE by HDD at Oranole Ave	LF	950	45.00	42750,00		
10	Furnish & Install Fittings	TON	3	7500,00	22500,00		
11	Furnish & Install 4" Gate Valve	EA	20	1000,00	20000.00		
12	Furnish & Install 6" Gate Valve	EA	8	1500,00	12000.00		
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	4500,00	4500,00		
14	Furnish & Install 2" Blow Off	EA	2	1250,00	2500.00		
15	Remove and Replace Driveway	EA	110	2500,00	275000,00		
16	Remove and Replace Sidewalk	LF	400	25,00	10000.00		
Demolition	1						
17	Remove Existing Water Main	LF	18,400	21,00	386400.00		
18	Remove Valve	EA	23	150.00	3450,00		
	Subtotal	1513505,00					
	Permit Fee (2.58%)						
	Total Estimated Cost						

Oakland Shores System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$73,182.00	\$73,182.00
2	Preconstruction Video	LS	1	\$2,745.00	\$2,745.00
3	Project Layout and Utility Locates	LS	1	\$39,518.00	\$39,518.00
4	Utility Maintenance of Traffic	LS	1	\$28,415.00	\$28,415.00
Water Mai	n				
5	Furnish & Install Service Connections	EA	226	\$950.00	\$214,700.00
6	Furnish & Install 2" WM	LF	-		
7	Furnish & Install 4" WM	LF	13,200	\$28.00	\$369,600.00
8	Furnish & Install 6" WM	LF	3,700	\$32.00	\$118,400.00
9	Furnish & Install 6" WM HDPE by HDD at Oranole Ave	LF	950	\$60.00	\$57,000.00
10	Furnish & Install Fittings	TON	3	\$15,000.00	\$45,000.00
11	Furnish & Install 4" Gate Valve	EA	20	\$1,523.00	\$30,460.00
12	Furnish & Install 6" Gate Valve	EA	8	\$1,850.00	\$14,800.00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	\$5,400.00	\$5,400.00
14	Furnish & Install 2" Blow Off	EA	2	\$1,890.00	\$3,780.00
15	Remove and Replace Driveway	EA	110	\$1,400.00	\$154,000.00
16	Remove and Replace Sidewalk	LF	400	\$5.00	\$2,000.00
Demolitio	n				
17	Remove Existing Water Main	LF	18,400	\$24.00	\$441,600.00
18	Remove Valve	EA	23	\$300.00	\$6,900.00
	Subtotal				\$1,607,500.00
	Permit Fee (2.58%)				\$42,571.83
•	Total Estimated Cost				\$1,650,071.83

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-43

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8



# ADD-CHANGE FORM

Requested by:			Assigned Project #	
	Bryan K. Gong Project Manager / A		Date:	8/16/2016
Project Name:	Phillips WM Re	eplacement		
Company:	252	Utilities Inc of Florida		
Business Unit:	252116	Phillips		WD
Project Owner:	Patrick C. Flyn	n	BU Type:	WP
Project Manager:	Bryan K. Gong	re	Budget Owner / RVP:	John Hoy
Start Date:	9/5/2016	Q3 2016	Region:	Florida
Estimated End Date:	3/31/2016	Q1 2016	State:	FL
Project Type:	Mainte	nance		
Will project replace/retire	e any assets:	Yes		
Previously Requested:		SOL REAL		
This Request:	\$1,188,247			
Still to be Requested:				
escription: emove and replace the followir 1,100 LF of 2" galvanized wat 8,250 LF of 4" asbestos conci 4, ocob 2" CVc	ter main	ated within the Seminole Cour	nty right-of-way.	
emove and replace the followin 1,100 LF of 2" galvanized wat 8,250 LF of 4" asbestos conci 4 each 2" GVs 12 each 4" GVs 4 each 2" blow offs 86 water services 55 driveway sections oduction of a right-of-way survemenclature and format are inc	ter main rete water main vey, an as-built surve cluded.	ey, right-of-way permitting and	nty right-of-way. asset tables that are in conformance to It drawings, field inspections during co	
move and replace the followin 1,100 LF of 2" galvanized wat 8,250 LF of 4" asbestos conce 4 each 2" GVs 12 each 4" GVs 4 each 2" blow offs 86 water services 55 driveway sections oduction of a right-of-way surv menclature and format are inc El services will be utilized to su ntract bidding services.	ter main rete water main vey, an as-built surve cluded. upport rigth-of-way p nain replacement pri e completed and all ce lines being replace	ey, right-of-way permitting and permitting, production of as-bui ojects in Seminole County and permits excluding Seminole and red requires a timely issuance	asset tables that are in conformance v	nstruction and
emove and replace the followin 1,100 LF of 2" galvanized wat 8,250 LF of 4" asbestos conce 4 each 2" GVs 12 each 4" GVs 4 each 2" blow offs 86 water services 55 driveway sections oduction of a right-of-way surv menclature and format are inc El services will be utilized to su intract bidding services.	ter main rete water main vey, an as-built surve cluded. upport rigth-of-way p nain replacement pri e completed and all ce lines being replace	ey, right-of-way permitting and permitting, production of as-bui ojects in Seminole County and permits excluding Seminole and red requires a timely issuance	asset tables that are in conformance of It drawings, field inspections during co one in Orange County that are similar of Orange County right-of-way have bo of a Notice of Award, Notice to Procee	nstruction and



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Phillips water system serves 86 connections and was originally built in 1963 and is thus 53 years old. The system is comprised ofAsbestos Concrete (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints, particularly within the areas that have galvanized pipe material. Over time organic growth has occurred with the distribution system contributing to water quality complaints. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires the Utility to remove all existing water mains located within the right of way except mains under County roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a Class I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breaks will be reduced. With new gate valves at the appropriate location and configuration, staff will be able to isolate portions of the distirbution system when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

#### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customers. By replacing the water mains, gate valves and service connections reliability will be greatly improved and water quality will be improved.

#### Alternatives Considered:

Maintaining the staus quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

#### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



# Financial and Regulatory Implications

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	1,188,247	-				
Project Spend in Current Plan	250,000 (938,247)	10000	-	-	-	
CIAC Collected	(330,247)					(if applicable)
Vet Rate Base	1,188,247	1,188,247	1,188,247	1,188,247	1,188,247	(
D&M Cost Impact B/(W)	a contract of			2051.010	10.00	
inancial Justification		13-11-215	and a s			
his project is a pro-forma include	ed in the 2016 U	IF consolidated	rate case to be	iled in 3Q16.		
Contraction in the second					1.0.0	
			Served	Rate Payers		
-timeted Devenue Import nor	Custamor	Г	(53)	(52.85)		
Estimated Revenue Impact per				2,684		
Number of Customers Impact	ted:	1	2,684	2,084		
Jtility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
D&M Impact on EBITDA B/(W)	as a sur		-	-	-	-
Depreciation Impact on EBIT B/(		(29,706)	(59,412)	(59,412)	(59,412)	(59,412)
		(21,723)	(82,435)	(77,979)	(73,523)	(69,067)
Under-recovery on capital B/(W)		(51,429)	(141,847)	(137,391)	(132,935)	(128,479)
Net EBIT Impact B/(W)						
Net EBIT Impact B/(W)						
Net EBIT Impact B/(W)	ation on Rate R	ecovery				
Net EBIT Impact B/(W) Fiming and Supporting Inform			rate case to be	filed in 3Q16.		
Net EBIT Impact B/(W) Fiming and Supporting Inform			rate case to be	filed in 3Q16.		
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Net EBIT Impact B/(W) <b>Timing and Supporting Inform</b> This project is a pro-forma includ			rate case to be	filed in 3Q16.	-	



Bid	Company			Amount	Selected
1	Traverse Group			\$1,315,101	No
2	Central Florida Tap	ping		\$1,212,593	No
3	ECO-2000			\$1,178,389	Yes
Component:		Amount			
Value Bid Elements Engineering		1,178,389.00			
Direct Purchase of Parts Landscaping / Site Resto Other Components (spec	ration				
Cap Time CPH Engineers (CEI, As	Built ROW Permits)	9,858.00			
	Duni, rearry annuay	0,000.00			
Total Project Budget		1,188,247.00		al Budgel on General In	
Object Account(s) to	which project will be cl	osed:	1125	Trans & Distr N	Aains
			1130	Service Lines	
			1100	select from dro	odown list
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General Comments:					pdown list
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Utilities, Inc.

Approvals

Review Completed by	Nate Carver	Date:	8/29/2016	
Does project align with utility Comments	plan and meet technical requirem	ents? Ye	es ☑ No 🗌	
	tility plan and meets UI technical n	equirements.		
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Technical Peer Review				
Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2106	
Approval to proceed	Yes No			
Comments (note if feedback	received in review incorporated)			
FP&A Review				
Review Completed by	Bryan K. Gongre	Date:	8/25/2016	
	rrent Utility Rate and Regulatory P		s I No	
Comments	2155 T			
Approvals				Applicable?
	Bryan K. Gongre	Date <sup>.</sup>	8/25/2016	
Regional Manager:	Bryan K. Gongre	Date:	8/25/2016	
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	8/25/2016 8/30/2016	
Regional Manager: VP Operations:				
Approvals Regional Manager: VP Operations: President: Approval or Re-Direction C	Patrick C. Flynn	Date:		
Regional Manager: VP Operations:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
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Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		
Regional Manager: VP Operations: President:	Patrick C. Flynn	Date:		

Contractory of the	s Inc. of Florida				
	System	2			
Enginee	er's Bid Schedule				
	oject No. U07144				
0					
		LINUT	QTY	UNIT COST	TOTAL COST
ITEM No	DESCRIPTION	UNIT	QIT		
1	General Conditions	LS	1	51,756.00	51,750.00
2	Preconstruction Video	LS	1	3,000.00	3,000.00
3	Project Layout and Utility Locates	LS	1	1.1700.00	45,000.00
4	Utility Maintenance of Traffic	LS	1	22,900.00	22,900,00
5	Furnish & Install Service Connections	EA	105	1.550.00	162,45000
6	Furnish & Install 2" WM	LF	1,100	31.00	34 100.00
ž	Furnish & Install 4" WM	LF	8,250	39.00	321750.00
8	Furnish & Install Fittings	TON	2	7,150.00	14 300.00
9	Furnish & Install 2" Gate Valve	EA	4	1,045.00	4,180.00
10	Furnish & Install 4" Gate Valve	EA	12	1,430.00	17,160.00
11	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	2,950.00	2850.00
12	Furnish & Install 2" Blow Off	EA	4	2,200,00	8, 900.00
13	Remove and Replace Driveway	EA	55	2310,00	127,050,00
Demolitio					1
14	Remove Existing Water Main	LF	9,350	39.00	364650.00
15	Remove Valve	EA	7	265.00	1.855.00
	Subtotal				1,182,085.00
	Permit Fee (2.58%)				30,498,05
	Total Estimated Cost				1, 212, 593.05

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Phillips System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	99500,00	99500,00
2	Preconstruction Video	LS	1	11500,00	11500,00
3	Project Layout and Utility Locates	LS	1	9500,00	9500,00
4	Utility Maintenance of Traffic	LS	1	25000.00	25000,00
5	Furnish & Install Service Connections	EA	105	2500,00	242500,00
6	Furnish & Install 2" WM	LF	1,100	2450	26950,00
7	Furnish & Install 4" WM	LF	8,250	31.50	259875,00
8	Furnish & Install Fittings	TON	2	7,500,00	15000,00
9	Furnish & Install 2" Gate Valve	EA	4	1200.00	4800,00
10	Furnish & Install 4" Gate Valve	EA	12	1500.00	18000,00
11	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	4500,00	4500,00
12	Furnish & Install 2" Blow Off	EA	4	2000.00	\$000,00
13	Remove and Replace Driveway	EA	55	3950,00	217250,00
Demolitio	n				
14	Remove Existing Water Main	LF	9,350	34,00	317900,00
15	Remove Valve	EA	7	250,00	1750,00
	Subtotal				1.282,025,00
	Permit Fee (2.58%)				33074.25
	Total Estimated Cost				1315.101,25

Phillips System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$84,560.00	\$84,560.00
2	Preconstruction Video	LS	1	\$4,500.00	\$4,500.00
3	Project Layout and Utility Locates	LS	1	\$39,500.00	\$39,500.00
4	Utility Maintenance of Traffic	LS	1	\$34,391.00	\$34,391.00
	······				
5	Furnish & Install Service Connections	EA	105	\$1,200.00	\$126,000.00
6	Furnish & Install 2" WM	LF	1,100	\$26.00	\$28,600.00
7	Furnish & Install 4" WM	LF	8,250	\$40.00	\$330,000.00
8	Furnish & Install Fittings	TON	2	\$20,000.00	\$40,000.00
9	Furnish & Install 2" Gate Valve	EA	4	\$650.00	\$2,600.00
10	Furnish & Install 4" Gate Valve	EA	12	\$1,523.00	\$18,276.00
11	Furnish & Install 4" Tapping Sleeve & Valve	EA	1	\$5,300.00	\$5,300.00
12	Furnish & Install 2" Blow Off	EA	4	\$1,890.00	\$7,560.00
13	Remove and Replace Driveway	EA	55	\$1,600.00	\$88,000.00
Demolitio	n				
14	Remove Existing Water Main	LF	9,350	\$36.00	\$336,600.00
15	Remove Valve	EA	7	\$300.00	\$2,100.00
	Subtotal				\$1,147,987.00
	Permit Fee (2.58%)				\$30,402.44
	Total Estimated Cost				\$1,178,389.44

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552 <i>,</i> 553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

# UIF Water Main System Improvements Bid Results

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-44

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8



#### ADD-CHANGE FORM

	hange?	New	Project	Assigned Projec	t #
Requested by:	Bryan K. Gong Project Manager / A			Dat	e: 8/16/2016
Project Name:	Ravenna Park	WM Replace	ment		
Company:	252	Utilities In	c of Florida		
Business Unit:	252118	Ravenna	Park W	BU Type:	WP
Project Owner:	Patrick C. Flyn	n			
Project Manager:	Bryan K. Gong	re		Budget Owner / RVI	
Start Date:	9/5/2016	Q3 2016		Region:	Florida
Estimated End Date:	3/31/2017	Q1 2017		State:	FL
Project Type:	Mainte	nance			
Will project replace/retire	e any assets:	Yes			
Previously Requested:					
This Request:	\$2,160,808				
Still to be Requested:		A. 197.			
Total Project Budget:	\$2,160,808	AND REAL W			
Description: Remove and replace the followir A. 600 LF of 2" galvanized water		ated within the	Seminole County right	t-of-way.	
Remove and replace the following	r main crete water main	ated within the	Seminole County right	t-of-way.	
Remove and replace the followin A 600 LF of 2" galvanized water 3. 21,300 LF of 4" asbestos conc 1. 1,500 LF of 6" asbestos conc 2. 3 each 2" GVs 4. 1 each 4" GVs 5. 2 each 6" GVs 5. 7 each 2" blow offs 1. 340 water services 1. 85 driveway sections 1. 550 LF of side walk Production of a right-of-way survicemenclature and format are inc CEI services will be utilized to su	main crete water main rete water main vey, an as-built surve cluded.	ey, right-of-way	y permitting and asset t	ables that are in conformar	
Remove and replace the followin A 600 LF of 2" galvanized water 3. 21,300 LF of 4" asbestos conc 3. ach 2" GVs 4. 1 each 4" GVs 5. 2 each 6" GVs 6. 7 each 2" blow offs 1. 340 water services 1.85 driveway sections 5. 500 LF of sidewalk Production of a right-of-way survionenclature and format are inco CEI services will be utilized to surviontract bidding services. Fimeline Considerations:	rmain crete water main rete water main vey, an as-built surve cluded. upport rigth-of-way p	ey, right-of-way bermitting, prod	y permitting and asset t duction of as-built draw	ables that are in conformar	g construction and
Remove and replace the followin 600 LF of 2" galvanized water 21,300 LF of 4" asbestos conc 1,500 LF of 6" asbestos conc 3 each 2" GVs 41 each 4" GVs 2 each 6" GVs 5.7 each 2" blow offs 340 water services 185 driveway sections 500 LF of sidewalk Production of a right-of-way survomenclature and format are ind CEI services will be utilized to su ontract bidding services. <b>Timeline Considerations:</b> This project is one of six water ming. Engineering services are the quantity of mains and service	main crete water main rete water main rete water main vey, an as-built surve cluded. upport rigth-of-way p nain replacement pri e completed and all ce lines being replace	ey, right-of-way permitting, prod ojects in Semin permits exclud ced requires a t	y permitting and asset to Juction of as-built draw nole County and one in ling Seminole and Orar timely issuance of a No	ables that are in conformar ings, field inspections durin Orange County that are sin nge County right-of-way hav	g construction and milar in scope and ve been obtained.
Remove and replace the followin 600 LF of 2" galvanized water 2,21,300 LF of 4" asbestos conc 1,500 LF of 6" asbestos conc 3, each 2" GVs 41 each 4" GVs 2, each 6" GVs 3, 7 each 2" blow offs 1,340 water services 185 driveway sections 500 LF of sidewalk Production of a right-of-way survionenclature and format are inc CEI services will be utilized to such contract bidding services.	main crete water main rete water main rete water main vey, an as-built surve cluded. upport rigth-of-way p nain replacement pri e completed and all ce lines being replace	ey, right-of-way permitting, prod ojects in Semin permits exclud ced requires a t	y permitting and asset to Juction of as-built draw nole County and one in ling Seminole and Orar timely issuance of a No	ables that are in conformar ings, field inspections durin Orange County that are sin nge County right-of-way hav	g construction and milar in scope and ve been obtained.



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Ravenna Park water system serves 340 connections and was originally built in 1959 through 1965 and is thus 51 to 59 years old. The system is comprised of Asbestos Concrete (AC) and galvanized iron pipe with few valves to isolate sections of the system when water main breaks occur. Existing valves are mainly double disc gate valves that don't fully seat and bronze body wheel handle gate valves that are damaged and difficult to operate. AC pipe failures occur with increasing frequency for a variety of reasons including fatigue, loss of hoop strength due to high water table, gasket failures, ground settling, and excess deflection of pipe joints. Over time organic growth has occurred within the distribution system contributing to water quality complaints, particularly within the areas that have galvanized pipe material. Over time organic growth has occurred within the areas that have galvanized pipe material. There are no fire hydrants or significant flushing points to adequately maintain the system. Underground utility locate requests are typically addressed by potholing, probing or the use of GPR of which the first two methods elevate the risk of a potential break.

Seminole County requires the Utility to remove all existing water mains located within the right of way except mains under County roads that can be grouted in place. All AC pipe must be removed and disposed of by a certified asbestos abatement contractor in a CLass I landfill.

By replacing the distribution system components, water quality complaints will be reduced by virtue of enhanced ability to maintain the facilities. Water main breakswill be reduced. With new gate valves at the appropriate location and configuration, staff will be able to isolate portions of the distribution system when necessary, which will limit the number of customers affected when outages occur. With the installation of detector wire on all water mains as well as geospatially locating all new facilities, the locating process will be streamlined, proficient and accurate. Also, unidirectional flushing procedures can be scheduled that will improve system maintenance. This project includes an as-built survey with an asset table that can be used to upload into the ESRI platform to provide GPS coordinates for asset maintenance.

#### **Risk Evaluation**

As the system ages, failures will be more frequent and corresponding expenses will rise. Water quality complaints will become more frequent and negatively affect the quality of service provided to the customer. By replacing the water mains, gate valves and service connections reliability will be greatly improved and water quality will be improved.

#### Alternatives Considered:

Maintaining the status quo is not an option for reasons identified in the Risk Evaluation above.

The project could be parsed up in phases but that would result in ongoing expensive repair and maintenance costs caused by pipe failures, emergency response, property damage, and restoration.

#### **Technical Review Summary:**

Project reviewed by CPRT on 8/25/2016. No comments or revisions.



# Financial and Regulatory Implications

Capital Plan Proposed Project Spend	Yr 1 2,160,808	Yr 2	Yr 3	Yr 4	Yr 5	
Project Spend in Current Plan	1,000,000					
/ariance	(1,160,808)		1. 19 1 1 2 3	-		
CIAC Collected	(1,100,000)					(if applicable)
Vet Rate Base	2,160,808	2,160,808	2,160,808	2,160,808	2,160,808	( approadie)
D&M Cost Impact B/(W)						
inancial Justification			- and the second		Service and	
his project is a pro-forma include	ed in the 2016 UI	F consolidated	rate case to be I	filed in 3Q16.		
	THE CONTRACTOR				12.3 HELE	
			Served	Rate Payers		
stimated Revenue Impact per	Customer:	Γ	(96)	(96.11)		
Number of Customers Impact	ed:		2,684	2,684		
Itility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
	Г	Yr 1	Yr 2	Yr 3 -	Yr 4	Yr 5
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V	w) E	(54,020)	- (108,040)	- (108,040)	- (108,040)	- (108,040)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W)	w) [	(54,020) (39,502)	- (108,040) (149,906)	- (108,040) (141,803)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W)	~) [	(54,020)	- (108,040)	- (108,040)	- (108,040)	- (108,040)
Jtility Financial Impact D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W)	E	(54,020) (39,502) <b>(93,522)</b>	- (108,040) (149,906)	- (108,040) (141,803)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W)	E	(54,020) (39,502) <b>(93,522)</b>	- (108,040) (149,906)	- (108,040) (141,803)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W)	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Information	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V) Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include Regulatory Plan Implications	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V Under-recovery on capital B/(W) Net EBIT Impact B/(W) <b>Fiming and Supporting Informa</b> This project is a pro-forma include Regulatory Plan Implications	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)
D&M Impact on EBITDA B/(W) Depreciation Impact on EBIT B/(V) Jnder-recovery on capital B/(W) Net EBIT Impact B/(W) Fiming and Supporting Informa This project is a pro-forma include Regulatory Plan Implications	ation on Rate Re	(54,020) (39,502) (93,522) ecovery	(108,040) (149,906) (257,946)	- (108,040) (141,803) (249,843)	- (108,040) (133,700)	- (108,040) (125,597)



Bid	Company		S	Amount	Selected
1	Traverse Group			\$2,467,356	No
2	Central Florida Tap	ping		\$2,399,705	No
3	ECO-2000			\$2,155,950	Yes
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts Landscaping / Site Resto Other Components (spec	oration	2,155,950.00		ited bin(s) above	
Cap Time CPH Engineers (CEI, As Built, ROW Permits)		4,858.00			
Total Project Budget Object Account(s) to	o which project will be c		noold match Tota 1125 1130	Budget on General In Trans & Distr M Service Lines select from dro	Mains
General Comments:				select from dro select from dro <u>Go to Refe</u>	pdown list pdown list
2					



Approvals

EAM Prime Review Review Completed by	Nate Carver	Date:	8/29/2016	
Does project align with utility p Comments	lan and meet technical requirer	ments? Ye	s ✓ No	
	ity plan and meets UI technical	requirements.		
Technical Peer Review Review Sponsored by	Patrick C. Flynn	Date Held	8/25/2016	
Approval to proceed	Yes No			
Comments (note if feedback r	eceived in review incorporated)			
FP&A Review				
Review Completed by	Bryan K. Gongre	Date:	8/25/2016	
Does Project comply with curr Comments	ent Utility Rate and Regulatory	Plan? Ye	s 🗹 No 🗌	
Comments				
Approvals				Applicable?
Regional Manager:	Bryan K. Gongre	Date:	8/25/2016	J
VP Operations:	Patrick C. Flynn	Date:	8/30/2016	
President:		Date:		
Approval or Re-Direction Co	omments			

Area 1	CFT	TG	Eco
Phillips	\$1,212,593.05	\$1,315,101.25	\$1,178,389.00
Ravenna	\$2,399,705.23	\$2,467,356.74	\$2,155,950.00
Crystal Lake	\$1,862,191.16	\$1,810,693.95	\$1,573,700.00
	\$5,474,489.44	\$5,593,151.94	\$4,908,039.00
Area 2	CFT	TG	Eco
Little Wekiva	\$518,890.07	\$511,823.08	\$550,273.00
Oakland	\$1,825,970.16	\$1,552,553.43	\$1,650,071.00
Bear Lake	\$1,707,721.07	\$1,485,269.29	\$1,571,228.00
	\$4,052,581.30	\$3,549,645.80	\$3,771,572.00
Area 3	CFT	TG	Eco
Crescent Heights	\$1,795,660.85	\$2,017,553.70	\$2,020,541.00

# **UIF Water Main System Improvements Bid Results**

CENTRAL FI	orida TA	PRING
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Ravenna System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	35,000.00	35,000.00
2	Preconstruction Video	LS	1	4,000.00	4.000.00
3	Project Layout and Utility Locates	LS	1	35,000.00	35.000.00
4	Utility Maintenance of Traffic	LS	1	27,000,00	27,000.00
Water Mai	n				
5	Furnish & Install Service Connections	EA	354	1.155.00	408.870.00
6	Furnish & Install 2" WM	LF	600	26.00	15 60000
7	Furnish & Install 4" WM	LF	21,300	31.00	660 300.00
8	Furnish & Install 6" WM	LF	1,500	53.00	79 500.00
9	Furnish & Install Fittings	TON	4	5,900.00	23,600.00
10	Furnish & Install 2" Gate Valve	EA	3	195.00	2.385.00
11	Furnish & Install 4" Gate Valve	EA	41	1,190.00	48,790.00
12	Furnish & Install 6" Gate Valve	EA	2	1,350.00	2,70000
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	3 570.00	3,570.00
14	Furnish & Install 2" Blow Off	EA	7	1,765.00	12,355.00
15	Remove and Replace Driveway	EA	185	1,500,00	277,500.00
16	Remove and Replace Sidewalk	LF	500	56.00	25,000.00
Demolitio	n				
17	Remove Existing Water Main	LF	22,250	30.00	667,500.00
18	Remove Valve	EA	32	240.00	7,690.00
	Subtotal				2,339,350,00
	Permit Fee (2.58%)				60,355,23
	Total Bid				2399705.2

Ravenna System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	120000.00	120,000,00
2	Preconstruction Video	LS	1	1550.00	1550.00
3	Project Layout and Utility Locates	LS	1	9500.00	9500.00
4	Utility Maintenance of Traffic	LS	1	23500,00	23500,00
Water Mai					
5	Furnish & Install Service Connections	EA	354	1550,00	548700.00
6	Furnish & Install 2" WM	LF	600	20.00	12000.00
7	Furnish & Install 4" WM	LF	21,300	25.00	532500.00
8	Furnish & Install 6" WM	LF	1,500	29.50	44250,0
9	Furnish & Install Fittings	TON	4	7500.00	30000,00
10	Furnish & Install 2" Gate Valve	EA	3	1000,00	3000,00
11	Furnish & Install 4" Gate Valve	EA	41	1000.00	41000,00
12	Furnish & Install 6" Gate Valve	EA	2	1500,00	3000,00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	5500,00	5500,00
14	Furnish & Install 2" Blow Off	EA	7	1250,00	8750.00
15	Remove and Replace Driveway	EA	185	2900,00	536500,00
16	Remove and Replace Sidewalk	LF	500	2700	13500.00
Demolitio	n				
17	Remove Existing Water Main	LF	22,250	21.00	407250,00
18	Remove Valve	EA	32	150,00	4800,00
	Subtotal				2,405,300,0
	Permit Fee (2.58%)				62,056,74
	Total Bid				2,467356.7

Ravenna System Engineer's Bid Schedule CPH Project No. U07144

ITEM No	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST
1	General Conditions	LS	1	\$76,500.00	\$76,500.00
2	Preconstruction Video	LS	1	\$10,792.00	\$10,792.00
3	Project Layout and Utility Locates	LS	1	\$55,412.00	\$55,412.00
4	Utility Maintenance of Traffic	LS	1	\$30,800.00	\$30,800.00
Water Mai					
5	Furnish & Install Service Connections	EA	354	\$650.00	\$230,100.00
6	Furnish & Install 2" WM	LF	600	\$18.00	\$10,800.00
7	Furnish & Install 4" WM	LF	21,300	\$27.00	\$575,100.00
8	Furnish & Install 6" WM	LF	1,500	\$30.00	\$45,000.00
9	Furnish & Install Fittings	TON	4	\$20,000.00	\$80,000.00
10	Furnish & Install 2" Gate Valve	EA	3	\$650.00	\$1,950.00
11	Furnish & Install 4" Gate Valve	EA	41	\$1,523.00	\$62,443.00
12	Furnish & Install 6" Gate Valve	EA	2	\$1,850.00	\$3,700.00
13	Furnish & Install 6" Tapping Sleeve and Valve	EA	1	\$5,400.00	\$5,400.00
14	Furnish & Install 2" Blow Off	EA	7	\$1,890.00	\$13,230.00
15	Remove and Replace Driveway	EA	185	\$1,400.00	\$259,000.00
16	Remove and Replace Sidewalk	LF	500	\$15.00	\$7,500.00
Demolitio	n				
17	Remove Existing Water Main	LF	22,250	\$28.00	\$623,000.00
18	Remove Valve	EA	32	\$300.00	\$9,600.00
	Subtotal				\$2,100,327.00
	Permit Fee (2.58%)				\$55,623.51
	Total Bid				\$2,155,950.51

# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-45

# OF

# PATRICK C. FLYNN

## on behalf of

# Utilities, Inc. of Florida8



#### ADD-CHANGE FORM

Requested by:       Bryan K. Gongre project Manager / Area Manager         Project Manager / Area Manager         Project Name:       Crystal/Ravenna IC & WTP Impy         Company:       252       Utilities Inc of Florida         Business Unit:       252       Utilities Inc of Florida         Business Unit:       252118       Ravenna Park W         Project Owner:       John Hoy       Budget Owner / RVP:       WP         Project Manager:       Bryan K. Gongre       Region:       Florida         Start Date:       4/20/2015       02 2015       State:       Florida         Start Date:       1/1/2016       01 2016       State:       Florida         Project Type:       Cost Reduction       State:       Florida       State:       Florida         Will project replace/retire any assets:       Yes       Yes       Yes       Yes       Yes         Previously Requested:       \$627,935       This Request:       \$17,900       Still to be Requested is 17,900       Still to be Requested and Sunset Drive in the Crystal Lake water distribution systems. Approximately 3,075 linear feet of 6-nch PCW water main from the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet of 6-nch PCW water main from the Ravenna Park WTP and then construct an interconnection between the Ravenna Park wTP pand then construct an interconnectin the Crystal		hange?	New F	Project	Ass	signed Project #	: 2015080
Project Manager / Area Manager         Project Name:       Crystal/Ravenna IC & WTP Impv         Company:       252       Utilities Inc of Florida         Business Unit:       252118       Ravenna Park W         Project Owner:       John Hoy       BU Type:       WP         Project Manager:       Bryan K. Gongre       Budget Owner / RVP:       John Hoy         Project Manager:       Bryan K. Gongre       Region:       Florida         Start Date:       4/20/2015       02 2015       State:       Florida         Start Date:       1/1/2016       01 2016       State:       Florida         Project Type:       Cost Reduction       Yes       State:       Florida         Will project replace/retire any assets:       Yes       Yes       Yes       Yes         Previously Requested:       \$627.935       Yes       Yes       Yes         Previously Requested:       \$17.900       Still to be Requested:       \$17.900       Still no be Requested:       \$17.900       Still no be construct an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3.075 linear feet of 6-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake service area.         Prase 1:       Domolish the existing 20.000	Requested by:	Bryan K. Gong	re			Date:	4/13/2015
Company:       252       Utilities Inc of Florida         Business Unit:       252118       Ravenna Park W         Project Owner:       John Hoy       BU Type:       WP         Project Manager:       Bryan K. Gongre       Budget Owner / RVP:       John Hoy         Start Date:       4/20/2015       02 2015       Region:       Florida         Start Date:       1/1/2016       01 2016       State:       FL         Project Type:       Cost Reduction       State:       FL         Will project replace/retire:       \$627,935       State:       State:       FL         Previously Requested:       \$627,935       State:       State:       State:       State:         Start Date:       \$17,900       State:		Project Manager / A	rea Manager				
Business Unit:       252118       Ravenna Park W         Project Owner:       John Hoy       Budget Owner / RVP:       John Hoy         Project Manager:       Bryan K. Gongre       Budget Owner / RVP:       John Hoy         Start Date:       4/20/2015       02 2015       Region:       Florida         Start Date:       1/1/2016       01 2016       State:       FL         Project Type:       Cost Reduction       State:       FL         Will project replace/retire any assets:       Yes       Yes         Previously Requested:       \$627,935       State:       Yes         This Request:       \$17,900       \$100       State:       Yes         Previously Requested:       \$645,835       \$645,835       Yes         Previously Requested:       \$17,900       State:       Yes         Project Budget:       \$645,835       Yes       Yes         Previously Requested:       \$10,000 gallon GST at the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet feinch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the crystal Lake water distributions (Useful volume: 78,750 gallons). The bottom four feet of an kis reserved as unused. One (1) 560-gm cascade acerator adjacent to the tank. Relocation of the existing high service area.         Phase 2:	Project Name:	Crystal/Ravenr	na IC & WTP I	mpv			
Project Owner:       John Hoy       Budget Owner / RVP:       John Hoy         Project Manager:       Bryan K. Gongre       Region:       Florida         Start Date:       4/20/2015       02 2015       State:       Florida         Start Date:       1/1/2016       01 2016       State:       FL         Project Type:       Cost Reduction       State:       FL         Will project replace/retire any assets:       Yes       Yes       Yes         Previously Requested:       \$627,935       State:       Yes         Previously Requested:       \$645,835       State:       Yes         Previously Requested:       \$645,835       State:       Yes         Previously Requested:       \$17,900       Still to be Requested:       \$17,900         Still to be Requested:       \$17,900       Still to be Requested:       \$1000000000000000000000000000000000000	Company:	252	Utilities Inc	of Florida			
Project Owner:       John Hoy         Project Manager:       Bryan K. Gongre       Budget Owner / RVP:       John Hoy         Start Date:       4/20/2015       Q2 2015       Region:       Florida         Start Date:       1/1/2016       Q1 2016       State:       FL         Project Type:       Cost Reduction       Yes       Yes         Previously Requested:       \$627,935       Yes       Yes         Previously Requested:       \$17,900       \$100       Still to be Requested:       \$100       Still to be Requested:       States       Yes         Previously Requested:       \$627,935       This Request:       \$17,900       Still to be Requested:       States       Yes         Previously Requested:       \$627,935       This Request:       \$17,900       Still to be Requested:       States       Yes         Previously Requested:       \$17,900       Still to be Requested:       Total Project Budget:       \$3645,835       Yes         Previously Requested:       \$10,000       Still to be Requested:       \$100,000       Still to be Requested:       \$100,000         In other Connection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet of 10,100,000       Still to be Requested:       \$100,000         In	Business Unit:	252118	Ravenna F	Park W		4	WD
Project Manager:       Bryan K. Gongre       Region:       Florida         Start Date:       4/20/2015       02 2015       State:       Florida         Start Date:       1/1/2016       01 2016       State:       FL         Project Type:       Cost Reduction       Ves       Ves         Will project replace/retire any assets:       Yes       Ves       Ves         Previously Requested:       \$627,935       Ves       Ves       Ves         Total Project Budget:       \$17,900       Still to be Requested:       Yes       Ves         Previously Requested:       \$645,835       State:       Ves       Ves         Previous an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet f6-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake ervice area.       Ves and the construct improvements to the Ravenna Park WTP of one in this reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenarces such as piping valves, etc.         It is reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenarces such as piping valves, etc.	Project Owner:	John Hoy					
Start Date:       4/20/2015       02 2015         State:       FL         Estimated End Date:       1/1/2016       01 2016         Project Type:       Cost Reduction         Will project replace/retire any assets:       Yes         Previously Requested:       \$627,935         This Request:       \$17,900         Still to be Requested:       \$645,835         rotal Project Budget:       \$645,835    escription: hase 1: o construct an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet f6-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake ervice area. hase 2: emolish the existing 20,000 gallon GST at the Ravenna Park WTP and then construct improvements to the Ravenna Park WTP of one 103,000 gallons (useful volume: 78,750 gallons). The bottom four feet of nik is reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenances such as piping valves, etc.	Project Manager:	Bryan K. Gong	re			1.4.00	
Estimated End Date:       1/1/2016       Q1 2016         Project Type:       Cost Reduction         Will project replace/retire any assets:       Yes         Previously Requested:       \$627,935         This Request:       \$17,900         Still to be Requested:       \$645,835         Total Project Budget:       \$645,835         escription:       ************************************	Start Date:	4/20/2015	Q2 2015				
Will project replace/retire any assets:       Yes         Previously Requested:       \$627,935         This Request:       \$17,900         Still to be Requested:       \$17,900         Still to be Requested:       \$645,835         Description:       ************************************	Estimated End Date:	1/1/2016	Q1 2016		Stat	.e:	FL
Previously Requested:       \$627,935         This Request:       \$17,900         Still to be Requested:	Project Type:	Cost Re	duction				
This Request:       \$17,900         Still to be Requested:	Will project replace/retire	e any assets:	Yes				
This Request:       \$17,900         Still to be Requested:	Previously Requested:	\$627.935					
Still to be Requested:         Total Project Budget:       \$645,835         escription:         hase 1:       o construct an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet f6-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake ervice area.         hase 2:       emolish the exisiting 20,000 gallon GST at the Ravenna Park WTP and then construct improvements to the Ravenna Park WTP of one 1) 31-foot diameter, 17-foot high GST with a total volume of 103,000 gallons (useful volume: 78,750 gallons). The bottom four feet of ank is reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenances such as piping valves, etc.         emolish the existing facilities at the Crystal Lake WTP and abandon the potable well.							
escription: hase 1: b construct an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet 16-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake ervice area. hase 2: emolish the existing 20,000 gallon GST at the Ravenna Park WTP and then construct improvements to the Ravenna Park WTP of one ) 31-foot diameter, 17-foot high GST with a total volume of 103,000 gallons (useful volume: 78,750 gallons). The bottom four feet of nk is reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenances such as piping valves, etc. emolish the existing facilities at the Crystal Lake WTP and abandon the potable well.			0.00				
escription: hase 1: b construct an interconnection between the Ravenna Park and Crystal Lake water distribution systems. Approximately 3,075 linear feet 16-inch PVC water main from the Ravenna Park WTP to the intersection of Lake Boulevard and Sunset Drive in the Crystal Lake ervice area. hase 2: emolish the existing 20,000 gallon GST at the Ravenna Park WTP and then construct improvements to the Ravenna Park WTP of one ) 31-foot diameter, 17-foot high GST with a total volume of 103,000 gallons (useful volume: 78,750 gallons). The bottom four feet of nk is reserved as unused. One (1) 560-gpm cascade aerator adjacent to the tank. Relocation of the existing high service pumps, 3,000 allon hydropneumatic tank and associated appurtenances such as piping valves, etc. emolish the existing facilities at the Crystal Lake WTP and abandon the potable well.	Total Project Budget:	\$645.835					
Change Order #1 - Installation a temporary interconnect with the City of Sanford to include a 4" meter, 6" RPZ BFP and piping.	Description: hase 1: o construct an interconnection	between the Raven	na Park and Cry	ystal Lake water d	istribution syste	ms. Approximately	3,075 linear feet
	Description: Phase 1: To construct an interconnection of of 6-inch PVC water main from the vervice area. Phase 2: Demolish the exisitng 20,000 ga 1) 31-foot diameter, 17-foot high ank is reserved as unused. One pallon hydropneumatic tank and Demolish the existing facilities a	between the Raven he Ravenna Park W llon GST at the Rav h GST with a total v e (1) 560-gpm casca associated appurte t the Crystal Lake W	/TP to the inters enna Park WTF olume of 103,00 ide aerator adja nances such as /TP and abando	P and then constru- 00 gallons (useful cent to the tank. F piping valves, etc on the potable wel	ulevard and Su act improvemen volume: 78,750 Relocation of the 5.	nset Drive in the C ts to the Ravenna I gallons). The botto e existing high serv	rystal Lake Park WTP of one om four feet of ice pumps, 3,000
	Description: Phase 1: To construct an interconnection of of 6-inch PVC water main from the pervice area. Phase 2: Demolish the exisitng 20,000 gat 1) 31-foot diameter, 17-foot hig ank is reserved as unused. One pallon hydropneumatic tank and Demolish the existing facilities a Change Order #1 - Installation a Change Order #1 - Installations:	between the Raven he Ravenna Park W llon GST at the Rav h GST with a total v a (1) 560-gpm casca associated appurte t the Crystal Lake W temporary intercon	/TP to the inters enna Park WTF olume of 103,00 de aerator adja nances such as /TP and abando nect with the Cit	P and then constru 0 gallons (useful cent to the tank. F piping valves, etc on the potable wel ty of Sanford to in	ulevard and Su ict improvemen volume: 78,750 Relocation of the I. clude a 4" mete	nset Drive in the C gallons). The botto e existing high serv r, 6" RPZ BFP and	rystal Lake Park WTP of one om four feet of ice pumps, 3,000 piping.
temolition work. During the pipeline construction, application will be made for the Building permit so that the permit is in hand to	Description: Phase 1: To construct an interconnection of 6-inch PVC water main from the revice area. Phase 2: Demolish the exisiting 20,000 ga 1) 31-foot diameter, 17-foot high ank is reserved as unused. One pallon hydropneumatic tank and Demolish the existing facilities a Change Order #1 - Installation a	between the Raven he Ravenna Park W Ilon GST at the Rav h GST with a total v e (1) 560-gpm casca associated appurte t the Crystal Lake W temporary intercon	/TP to the inters enna Park WTF olume of 103,00 de aerator adja nances such as /TP and abando nect with the Cir e interconnect p pplication will b	P and then constru 00 gallons (useful cent to the tank. F piping valves, etc on the potable wel ty of Sanford to in	ulevard and Su ict improvemen volume: 78,750 Relocation of the 5. I. clude a 4" mete be constructed	nset Drive in the C ts to the Ravenna I gallons). The botto e existing high serv r, 6" RPZ BFP and and cleared for se	rystal Lake Park WTP of one om four feet of ice pumps, 3,000 piping. rvice prio r to the
The project has a 270 day construction period. The interconnect piupeline must first be constructed and cleared for service prior to the demolition work. During the pipeline construction, application will be made for the Building permit so that the permit is in hand to mmediately begin the Ravenna Park WTP site improvements.         Inter-dependant Project       Project Number:       2014071       Project Name       Eng. Crystal Ravenna IC       (If applicable)	Description: Phase 1: To construct an interconnection of 6-inch PVC water main from the service area. Phase 2: Demolish the exisiting 20,000 ga 1) 31-foot diameter, 17-foot high ank is reserved as unused. One pallon hydropneumatic tank and Demolish the existing facilities a Change Order #1 - Installation a Change Order #1 - Installation a Fimeline Considerations: The project has a 270 day consider femolition work. During the pipe mmediately begin the Ravenna	between the Raven he Ravenna Park W llon GST at the Rav h GST with a total w a (1) 560-gpm casca associated appurte t the Crystal Lake W temporary intercon	/TP to the inters enna Park WTF olume of 103,00 de aerator adja nances such as /TP and abando nect with the Ciri e interconnect p pplication will b rovements.	P and then constru 00 gallons (useful cent to the tank. F piping valves, etc on the potable wel ty of Sanford to in	be constructed ilding permit so	nset Drive in the C ts to the Ravenna I gallons). The botto e existing high serv r, 6" RPZ BFP and and cleared for se that the permit is in	rystal Lake Park WTP of one om four feet of ice pumps, 3,000 piping. rvice prio r to the n hand to



#### JUSTIFICATION / ALTERNATIVES

#### Justification and Benefits:

The Crystal Lake WTP was originally constructed in the late 1950's and includes a single well, chlorination equipment and a hydropneumatic tank. The service area is comprised of 175 potable water only connections. In the early 1990's the Utility entered into an emergency interconnect agreement with an adjacent municipality, the City of Sanford, and constructed a 4" automatic interconnect jumper asembly to provide an auxiliary water source in the event of a plant outage and to maintain compliance with FDEP regulations.

Over the last several years the well has been producing sand that was first resolved by adding a sand filter with an automatic backwash feature. This resolved the immediate need but the ongoing sand production damaged the pump impellers requiring the pump to be replaced on an annual basis over the last three years. Recently the sand production is such that the sand filter becomes fouled within a matter hours and cannot backwash frequently enough to keep water production at a rate sufficient to meet system demands. This condition creates a low pressure event that activates the automatic interconnect and elevates purchased water expense. The well casing and bore hole have been videoed with no obvious problems detected as regards casing condition and water production zones.

The Utility met with the City of Sanford to determine their level of interest in providing a permanent wholesale interconnect water supply to the service area by revising the existing emergency use agreement. The City was not opposed to this proposal and provided the Utility with the connection fee cost per customer and the consumption rates both of which include a 25% surcharge as the system is located in unincorporated Seminole County outside of the City limits. These costs were taken under consideration with the decision being that an analysis should be performed by our contract engineers to determine whether it would be more cost effective to interconnect the Crystal Lake system with the nearby Ravenna Park system or to enter into a wholesale agreement. This analysis has revealed that it would be more prudent to interconnect the two systems as the capital investment costs in comparison to a wholesale provision would be recovered in 3.5 years.

#### **Risk Evaluation**

Risks include the potential failure of one of the two existing Ravenna Park wells. In the event such an instance were to occur the City of Sanford interconnect would be utilized while a new well was permitted, drilled and equipped.

The possibility exists as with any other supply that a new regulation is implemented such as testing for a new contaminant or an existing sampling requirement results in a detect that requires additional treatment. In such an instance the Ravenna Park site is sized to adequately to accommodate additional treatment components of a moderate size to address such an issue.

#### **Alternatives Considered:**

#1. Dowsize the Crystal Lake WTP well pump assembly and motor. This option does not allow the system demands to be met and pump replacements would continue.

#2. Drill a new well on the existing Crystal Lake WTP property. The parcel has too small of a footprint to allow a new well to be constructed.

Technical Review Summary:



Financial and Regulatory Implications

Capital Plan Proposed Project Spend [	Yr 1	Yr 2	Yr 3	Yr4	Yr 5	
	627,935					
Project Spend in Current Plan	500,000					
/ariance	(127,935)		-		-	
CIAC Collected				007 005	007.005	(if applicable)
Net Rate Base	627,935	627,935	627,935	627,935	627,935	
D&M Cost Impact B/(W) [	•	57,400	57,400	57,400	57,400	
Financial Justification						
The plan is to file for rate relief in Jtilities Inc. of Florida purchases vater costs are currently \$62,400 The customer count between Cry others comprise the customer an of Seminole County is approxima	the necessary 0, which would ystal Lake and nd rate base as	water to mee be reduced to Ravenna Par	et the demands o <\$5,000 upor k water system	of the Crystal completion of is is about 53	I Lake service of the project. 7. These two v	area, The annual bulk vater systems plus seven
stimated Revenue Impact per Number of Customers Impact		[	Served F (8) 537	Rate Payers (8) 2,745		
Itility Financial Impact		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
0&M Impact on EBITDA B/(W)	Г		57,400	57,400	57,400	57,400
Depreciation Impact on EBIT B/(	w) E	-	(15,698)	(15,698)	(15,698)	(15,698)
Inder-recovery on capital B/(W)			(45,918)	(44,740)	(43,563)	(42,386)
Net EBIT Impact B/(W)		•	(4,216)	(3,039)	(1,861)	(684)
Timing and Supporting Information The plan is to file for rate relief in			This would all-	w for 100%	to recovery an	it is proforma
Regulatory Plan Implications This project has been added to t months, but then see an increase			egulatory lag w	ould initially s	uppress ROE 1	for the next 12 to 24



Bid	Company			Amount	Selected
1	ECO - 2000			\$595,935	Yes
2	Traverse Group			\$674,324	No
3	CFT			\$659,200	No
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Landscaping / Site Restor Other Components (speci	ation	595,935.00		cted pid(s) above	
Cap Time					
CEI Costs		22,000.00			
Crystal Lake Well Abando	nment	10,000.00			
Change Order #1	innon	17,900.00			
Change Order #1		17,000.00			
nstallation of new tank an	d piping(K&W)				
Misc. temp. fencing and rework	fence after installation				
(Scott Reeder)					
Total Project Budget		645,835.00	muld match Tota		
Object Account(s) to	losed:	1125 1055	Trans & Distr I Struct & Imprv select from dro select from dro select from dro	Wtr Trt Plt opdown list opdown list opdown list	
General Comments:				Go to Refe	erence List
The project budget was ori	ginally \$500,000 based on	estimated unit costs for	the pipe work	and an estimate of	the work at the
Ravenna Park WTP. Howe					

Utilities, Inc. 1

Approvals

Review Completed by		Date:		
	plan and meet technical requirem	nents? Ye	es No	
Comments				
Technical Peer Review	Datrick C. Elvan	Data Hald	2/5/2045	
Review Sponsored by Approval to proceed	Patrick C. Flynn Yes I No	Date Held	3/5/2015	
	received in review incorporated)			
Ken Morrison counseled to b	e sure the contract covered all the			hat the form and
content of the contract had b	een used successfully on previou	is capital projec	ts.	
FP&A Review				
Review Completed by	Christie Kincaid	Date:	4/21/2015	
	rrent Utility Rate and Regulatory F		4/21/2013	
Comments				
Approvals				Applicable?
	Bryan K. Gongre	Date:	4/15/2015	Applicable?
Regional Manager:				7
Regional Manager:	Bryan K. Gongre Patrick C. Flynn	Date: Date:	4/15/2015 4/27/2015	
Regional Manager: VP Operations:				V
Approvals Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	
Regional Manager: VP Operations:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	V V
Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	V V
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Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	
Regional Manager: VP Operations: President:	Patrick C. Flynn John P Hoy	Date:	4/27/2015	



1117 East Robinson St. Orlando, FL 32801 Phone: 407.425.0452 Fax: 407.648.1036

April 13, 2015

Mr. Bryan Gongre Regional Manager Utilities Inc., of Florida 200 Weathersfield Ave Altamonte Springs, FL 32714

RE: Crystal Lake/Ravenna Park CEI Services Proposal

Mr. Gongre:

The Crystal Lake water system is proposed to be interconnected with the Ravenna Park water system in order to shut down the Crystal Lake water treatment facility. This project has been designed and bid for construction. This proposal is to detail the services requested for construction administration and inspection. We propose the following scope for your consideration:

#### Scope

<u>Construction Administration</u> - This project entails a considerable degree of sequential construction operations and potential conflict resolution. This task includes the coordination with the contractor for the sequence of construction. Coordination of permitting activities with Seminole County for any additional right of way or site inspections is also included in this task. The proposed cost for this task is \$3,500.

<u>Construction Inspection</u> – This task includes construction inspection services on a periodic basis. We are only proposing part time inspection services at an average of 2 hours per week for the 270 day construction period plus electrical inspection services (\$3,500). The proposed cost for this task is \$15,000.

<u>Project Closeout</u> – This task includes final inspections, startup attendance, clearance documentation, and record drawing preparation. The proposed cost for this task is \$3,500

#### Payment

The engineering fee for the services, described herein is estimated to be \$22,000.00, including out of pocket expenses.

If this Contract is terminated during prosecution of the services prior to completion of the services, payments to be made on account of that and all prior work under this Contract shall be due and payable, and shall constitute total payment for services rendered. In addition, upon termination, engineer shall be paid for any Supplementary Services authorized and rendered.

If you are in agreement with the terms and fees proposed, please sign on the space provided below and return one (1) copy to us.

If you have any questions please call me.

Sincerely CPH, INC

Stephen N. Romano, P.E. Vice President/Associate ACCEPTED BY: UTILITIES, INC. OF FLORIDA

Date:

### SECTION 00410

### **BID FORM**

# PART 1 GENERAL

#### 1.01 Description

The following Bid, for the (1) Crystal Lake / Ravenna Park Interconnect, is hereby made to (2) Utilities, Inc. of Florida, hereafter called the Owner. This Bid is submitted by (3)

1.02 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	1	Dated MARch 15, 2015
		Number		Dated
		Number		Dated
		Number		Dated

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - 1. To hold this Bid open for 90 calendar days after the bid opening date.
  - To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - 4. To accomplish the work in accordance with the Contract Documents.

<sup>(1)</sup> Name of Project as shown in the Invitation for Bids

<sup>(2)</sup> Owner

<sup>(3)</sup> Name, address, and telephone number of Bidder

- To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within <u>270</u> calendar days of the date of the Notice to Proceed.
- To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

#### 1.03 Lump Sum Price

### 1.04 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization and Bond	LS	1	30 000 00
6" interconnect pipeline (inc. valves, restoration, and connections)	LS	1	140,000.00
8" SR 46A crossing	LS	1	16,70000
Site Demolition	LS	1	31,000,00
Site Piping	LS	1	64.000.00
Equipment relocations	LS	1	19.500.00
Tank, aerator, & accessories	LS	1	28500000
Electrical	LS	1	3 1,000.00
Fence and site restoration	LS	1	18,500,00
Startup and testing	LS	1	7,500.00
Permitting Fees	LS	1	\$10,000
	LS	1	
TOTAL LUMP SUM PRICE (B	ASE BID	)	\$ 659200,00

### 1.05 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - 1. Bid Security complying with the requirements of the Bidding Documents.
  - 2. Trench Safety Statement Section 00430

1.06 RESPECTFULLY SUBMITTED, signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_ MARCH , 2015

CENTRAL Floride TAPPING Contractor Roberts Bullet March 19 2015 By (Signature) Date

Printed Name and Title

P. O. Box SZILT9 Business Address

City State Zip Code

(CORPORATE SEAL)

407-934-9271Telephone No.Facsimile No.

Fick @ Central flor, detapping, can E-Mail Address

ATTEST:

R. Just 2 D. MA 3-19-15 By (Signature) Date

Richard F Bullington, Preside T Printed Name and Title

END OF SECTION

# FROM:

# BID DATE: 03/19/2015

BID TIME: 2:00 PM

ECO-2000 INC

1611 W C-48

**BUSHNELL FL 33513** 

RE:

**BID FOR:** 

CRYSTAL LAKE / RAVENNA PARK INTERCONNECT

CPH JOB NO. U0799.2

TO:

CPH INC. ATTN: STEPHEN ROMANO

1117 EAST ROBINSON ST.

ORLANDO FL 32801

### SECTION 00410

#### **BID FORM**

# PART 1 GENERAL

#### 1.01 Description

The following Bid, for the (1) Crystal Lake / Ravenna Park Interconnect \_, is hereby made to (2) Utilities, Inc. of Florida \_, hereafter called the Owner. This Bid is submitted by (3) \_\_\_\_\_\_

12001000	1-5060	 	
(352) 4:	0-5060		
			and the second

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

#### 1.02 The Undersigned:

- A. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number Number Number Number	_/	Dated 03/15/20 Dated Dated	<u>×5</u>
				Dated	

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

#### C. Agrees:

- 1. To hold this Bid open for 90 calendar days after the bid opening date.
- To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
- To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
- 4. To accomplish the work in accordance with the Contract Documents.

<sup>(3)</sup> Name, address, and telephone number of Bidder

- To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within <u>270</u> calendar days of the date of the Notice to Proceed.
- 6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

## 1.03 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ Five hundred <u>ninetyfive thousand ninehundred thirty</u> Dollars (\$ 595,934,97). four dollars & ninety seven cents

# 1.04 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization and Bond	LS	1	34,000.00
6" interconnect pipeline (inc. valves, restoration, and connections)	LS	1	122,855.00
8" SR 46A crossing	LS	1	14,238,00
Site Demolition	LS	1	20,376,00
Site Piping	LS	1	27 188.97
Equipment relocations	LS	1	35,909.00
Tank, aerator, & accessories	LS	1	277. 734.00
Electrical	LS	1	38,520,00
Fence and site restoration	LS	1	26,634.00
Startup and testing	LS	1	3,480.00
	LS	1	Ø
	LS	1	Ø.
TOTAL LUMP SUM PRICE (B.	)	\$ 595,934.97	

#### 1.05 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - Bid Security complying with the requirements of the Bidding Documents.
  - 2. Trench Safety Statement Section 00430

### SECTION 00410

#### **BID FORM**

#### PART 1 GENERAL

#### 1.01 Description

The following Bid, for the (1) Crystal Lake / Ravenna Park Interconnect, is hereby made to (2) Utilities, Inc. of Florida, hereafter called the Owner. This Bid is submitted by (3)

PO Box 121754	
Clermont FL 34712	
352.409.6630	

(1) Name of Project as shown in the Invitation for Bids

(2) Owner

#### 1.02 The Undersigned:

- A. Acknowledges receipt of:
  - 1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number Number	Dated Dated	3	15/1	S	
		Number	 Dated	· · · · ·			
		Number	 Dated	_			

- B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.
- C. Agrees:
  - To hold this Bid open for 90 calendar days after the bid opening date.
  - To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
  - To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
  - 4. To accomplish the work in accordance with the Contract Documents.

<sup>(3)</sup> Name, address, and telephone number of Bidder

- To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within <u>270</u> calendar days of the date of the Notice to Proceed.
- To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

### 1.03 Lump Sum Price

```
The undersigned will construct this project for the Base Bid Lump Sum Price of $ Six hundred
Seventy four thousand three Dollars ($ 674,324.00).
hundred & twenty Four
```

# 1.04 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

ITEM	UNIT	QUANTITY	TOTAL PRICE
Mobilization and Bond	LS	1	\$ 65250.00
6" interconnect pipeline (inc. valves, restoration, and connections)	LS	1	\$ 152631.53
8" SR 46A crossing	LS	1	\$ 42826.00
Site Demolition	LS	1	\$ 30 500.00
Site Piping	LS	1	\$ 16383.00
Equipment relocations	LS	1	\$ 25000.00
Tank, aerator, & accessories	LS	1	\$ 277734.00
Electrical	LS	1	\$ 42500.00
Fence and site restoration	LS	1	\$ 15500.00
Startup and testing	LS	1	\$ 6000,00
	LS	1	
	LS	1	
TOTAL LUMP SUM PRICE (B	ASE BID	)	\$ 674.324.53

### 1.05 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - Bid Security complying with the requirements of the Bidding Documents.
  - Trench Safety Statement Section 00430

### SECTION 00520

### AGREEMENT FORM

### PART 1 GENERAL

1.01	THIS AGREE	MENT, made this 29th day of	May	, <u>2015_</u> , by
	and between	Utilities, Inc. of Florida		, hereinafter called the
	Owner, and	ECO-2000, Inc.		, whose principal and local
	address is	1611 West CR 48, Bushnell, FL	33513	, hereinafter called
	the Contracto	r.		

## 1.02 The Owner and Contractor Agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid, Notice to Proceed, the Bonds, the General Conditions, the Supplementary Conditions, the Specifications listed in the Index to the Project Manual, any technical specifications as incorporated by the Project Manual; the Drawings as listed in the Project Manual, all Written Amendments, Change Orders, Work Change Directives, Field Orders, and Engineer's written interpretations and clarifications issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the <u>Crystal Lake/ Ravenna Park Interconnect</u>.

C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is <u>270</u> calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof,

### 00520-1

OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER <u>\$ 500.00</u> for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (1/4) of the rate set forth above.

E. Contract Price

1

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of \_\_\_\_\_\_\_ Five hundred ninety five thousand nine hundred thirty four dollars and ninety seven cents \_\_\_\_\_\_\_ Dollars (\$595,934.97). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

The Owner will make payments as provided in the General Conditions and Supplementary Conditions.

G. Retainage

The value of each application for payment shall be equal to the total value of the Work performed to date, less an amount retained, and less payments previously made and amounts withheld in accordance with the General Conditions and Supplementary Conditions. Retainage for this project is 10%, to be held by Owner as collateral security to ensure completion of Work. The Owner is not obligated to reduce retainage at any time during the Contract, but may choose to do so at its discretion once the Work is at least 75% complete.

H. Engineer

The Project has been designed by CPH, Inc., referred to in the documents as the Engineer, whose authority during the progress of construction is defined in the General Conditions and Supplementary Conditions.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

CONTRACTOR:

31

ECO-2000, Inc. Name of Firm

By (Signature)

Charlie Jones, President Printed Name and Title

ATTEST:

By (Signature)

Valerie S. Langelier, Operations Manager Printed Name and Title

OWNER:

Utilities, Inc. of Florida Name of Owner

Burn Y. Gonger By (Signature)

Bryan K. Gongre, Regional Manager Printed Name and Title

ATTEST.

Low M. D. Jugente By (Signature)

Susan M. D. Pasquake Administrative Assistant Printed Name and Title

**END OF SECTION** 

(SEAL)

(SEAL)

00520-3

AFFLICATION AND C	ERTIFICATION FOR PAYMENT	AIA DOCUMENT G702	PAGE ONE OF 2 PAGES
TO OWNER:	PROJECT:	APPLICATION NO: 02 REV	Distribution to:
Utilities, Inc. of Florida	Crystal Lake / Ravenna Park Interconnect		OWNER ARCHITECT
FROM CONTRACTOR:	VIA ARCHITECT:	PERIOD TO: 09/03/2011	CONTRACTOR
ECO-2000, INC.	CPH, INC.		
1611 WEST CR 48 BUSHNELL, FL 33513	1117 E. ROBINSON ST. ORLANDO, FL 32801	PROJECT NOS:	
CONTRACT FOR: CRYSTAL LA	KE / RAVENNA PARK IMPROVEMENTS	CONTRACT DATE:	
	LICATION FOR PAYMENT wn below, in connection with the Contract. 3, is attached.	The undersigned Contractor certifies that to the information and belief the Work covered by the completed in accordance with the Contract Do the Contractor for Work for which previous C payments received from the Owner, and that c	is Application for Payment has been cuments, that all amounts have been paid by entificates for Payment were issued and
<ol> <li>ORIGINAL CONTRACT SUM</li> <li>Net change by Change Orders</li> <li>CONTRACT SUM TO DATE (Line</li> <li>TOTAL COMPLETED &amp; STORED DATE (Column G on G703)</li> <li>BETADIACE.</li> </ol>	\$       595,934.97         \$       \$	CONTRACTOR: ECO-2000, INC.	Date:
<ol> <li>RETAINAGE:         <ul> <li>a. <u>10</u> % of Completed Work (Column D + E on G703)</li> <li>b. <u>%</u> of Stored Material (Column F on G703) Total Retainage (Lines 5a + 5b or</li> </ul> </li> </ol>	\$\$14,909.30 \$	Charlie A. Jones State of: FLORIDA Subscribed and sworn to before me this Notary Public: My Commission expires:	County of: SUMTER day of
Total in Column I of G703) 6. TOTAL EARNED LESS RETAINAG (Line 4 Less Line 5 Total) 7. LESS PREVIOUS CERTIFICATES 1 PAYMENT (Line 6 from prior Certif 8. CURRENT PAYMENT DUE 9. BALANCE TO FINISH, INCLUDIN (Line 3 less Line 6)	FOR icate) \$ 27,773.00 \$ 134.183.70	ARCHITECT'S CERTIFIC In accordance with the Contract Documents, to comprising the application, the Architect certic Architect's knowledge, information and belief the quality of the Work is in accordance with to is entitled to payment of the AMOUNT CERTIFIED AMOUNT CERTIFIED	pased on on-site observations and the data fies to the Owner that to the best of the f the Work has progressed as indicated, the Contract Documents, and the Contractor
CHANGE ORDER SUMMAR Total changes approved in previous months by Owner	Y ADDITIONS DEDUCTIONS	(Attach explanation if amount certified differs Application and onthe Continuation Sheet tha ARCHITECT:	from the amount applied. Initial all figures on this t are changed to conform with the amount certified.)
Total approved this Month		Ву:	Date:
TOTALS		This Certificate is not negotiable. The AMOL	INT CERTIFIED is payable only to the
NET CHANGES by Change Order		Contractor named herein. Issuance, payment a prejudice to any rights of the Owner or Contra	nd acceptance of payment are without
AIA DOCUMENT G702 · APPLICATION AND CERTIEN	CATION FOR PAYMENT · 1992 EDITION · AIA · ©1992	THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW Y	

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee.

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

APPLICATION NO: 02 REV

PERIOD TO:

APPLICATION DATE:

ARCHITECT'S PROJECT NO:

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

#### Α В С D Е F G н ITEM DESCRIPTION OF WORK SCHEDULED WORK COMPLETED MATERIALS TOTAL % BALANCE RETAINAGE NO. VALUE FROM PREVIOUS THIS PERIOD PRESENTLY COMPLETED (G + C)TO FINISH (IF VARIABLE APPLICATION STORED AND STORED (C - G) RATE) (D + E) (NOT IN TO DATE DORE) (D+E+F)1 Demo of Crystal Lake WTF \$10,000.00 \$10,000.00 \$0.00 2 Mobilization/Demobilization \$24.000.00 \$12,000.00 \$12,000.00 50.00% \$12,000.00 \$1,200.00 3 6" Interconnect Pipeline \$122,855.00 \$122,855.00 \$122,855.00 100.00% \$12,285.50 4 8" SR 46A Crossing \$14,238.00 \$14,238.00 \$14,238.00 100.00% \$1,423.80 Site Demolition 5 \$20,376.00 \$20,376.00 \$0.00 Piping 5 \$22,188.97 \$22,188.97 \$0.00 Sub-total \$213,657.97 \$0.00 Tank \$0.00 6 Equipment relocations \$35,909.00 \$35,909.00 \$0.00 Tank, aerator & accessories 7 \$277,734.00 \$27,773.00 \$27,773.00 10.00% \$249.961.00 \$0.00 8 Installation \$0.00 C Sub-total Tank \$313,643.00 \$0.00 Electrical \$38,520.00 \$38,520.00 \$0.00 \$0.00 Fence and Site Restoration \$26,634.00 \$26,634.00 \$0.00 \$0.00 Startup and Testing \$3,480.00 \$3,480.00 \$0.00 Change Order \$0.00 **GRAND TOTALS** \$595,934.97 \$27,773.00 \$149,093.00 \$0.00 \$176,866.00 \$419,068.97 \$14,909.30

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#### G703-1992

APPLICATION AND CE	ERTIFICATION FOR PAYMENT	AIA DOCUMENT G702	PAGE ONE OF 2 PAGES
TO OWNER:	PROJECT:	APPLICATION NO: 03 REV	Distribution to:
Utilities, Inc. of Florida FROM CONTRACTOR:	Crystal Lake / Ravenna Park Interconnect VIA ARCHITECT:	PERIOD TO: 10/23/201	OWNER
ECO-2000, INC. 1611 WEST CR 48 BUSHNELL, FL 33513	CPH, INC. 1117 E. ROBINSON ST. ORLANDO, FL 32801	PROJECT NOS:	
	E / RAVENNA PARK IMPROVEMENTS	CONTRACT DATE:	
CONTRACTOR'S APPI Application is made for payment, as show Continuation Sheet, AIA Document G703	LICATION FOR PAYMENT in below, in connection with the Contract. B, is attached.	The undersigned Contractor certifies that to t information and belief the Work covered by t completed in accordance with the Contract D the Contractor for Work for which previous ( payments received from the Owner, and that	this Application for Payment has been occuments, that all amounts have been paid by Certificates for Payment were issued and
<ol> <li>ORIGINAL CONTRACT SUM</li> <li>Net change by Change Orders</li> <li>CONTRACT SUM TO DATE (Line 1</li> <li>TOTAL COMPLETED &amp; STORED T DATE (Column G on G703)</li> <li>RETAINAGE:         <ul> <li>a. 10 % of Completed Work (Column D + E on G703)</li> <li>b. % of Stored Material (Column F on G703)</li> <li>Total Retainage (Lines 5a + 5b or</li> </ul> </li> </ol>		CONTRACTOR: ECO-2000, INC. By:	Date: County of: SUMTER day of
Total in Column I of G703) 6. TOTAL EARNED LESS RETAINAC (Line 4 Less Line 5 Total) 7. LESS PREVIOUS CERTIFICATES F PAYMENT (Line 6 from prior Certific 8. CURRENT PAYMENT DUE 9. BALANCE TO FINISH, INCLUDING (Line 3 less Line 6)	COR cate) \$ 161,956.70 \$ 136 641 00	ARCHITECT'S CERTIFIC In accordance with the Contract Documents, comprising the application, the Architect cert Architect's knowledge, information and belie the quality of the Work is in accordance with is entitled to payment of the AMOUNT CER AMOUNT CERTIFIED	based on on-site observations and the data tifies to the Owner that to the best of the ef the Work has progressed as indicated, the Contract Documents, and the Contractor
CHANGE ORDER SUMMARY Total changes approved in previous months by Owner	ADDITIONS DEDUCTIONS	(Attach explanation if amount certified differ Application and onthe Continuation Sheet th ARCHITECT:	s from the amount applied. Initial all figures on this at are changed to conform with the amount certified.)
Total approved this Month		By:	Date:
TOTALS		This Certificate is not negotiable. The AMO	UNT CERTIFIED is payable only to the
NET CHANGES by Change Order		Contractor named herein. Issuance, payment prejudice to any rights of the Owner or Contra	and acceptance of payment are without

ALA DOCUMENT G703

PAGE 2 OF 2 PAGES

**APPLICATION NO: 03 REV** 

PERIOD TO:

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APPLICATION DATE:

ARCHITECT'S PROJECT NO:

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

Α	<u> </u>	С	D	E	F	G		Н	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK CON FROM PREVIOUS APPLICATION (D + E)	PLETED THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
1 2 3 4 5 5 6 6	Demo of Crystal Lake WTF Mobilization/Demobilization 6" Interconnect Pipeline 8" SR 46A Crossing Site Demolition Piping Sub-total Tank Equipment relocations	\$10,000.00 \$24,000.00 \$122,855.00 \$14,238.00 \$20,376.00 \$22,188.97 \$213,657.97 \$35,909.00	\$12,000.00 \$122,855.00 \$14,238.00	\$10,000.00		\$10,000.00 \$12,000.00 \$122,855.00 \$14,238.00	100.00% 50.00% 100.00% 100.00%	\$12,000.00 \$20,376.00 \$22,188.97 \$35,909.00	\$1,000.00 \$1,200.00 \$12,285.50 \$1,423.80 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
7 8 9	Tank, aerator & accessories Installation Sub-total Tank	\$277,734.00 \$313,643.00	\$27,773.00	\$126,641.00		\$154,414.00	55.60%	\$123,320.00	\$0.00 \$0.00 \$0.00
	<u>Electrical</u>	\$38,520.00						\$38,520.00	\$0.00 \$0.00
	Fence and Site Restoration	\$26,634.00						\$26,634.00	\$0.00 \$0.00
	Startup and Testing	\$3,480.00						\$3,480.00	\$0.00
	<u>Change Order</u> <u>Payment Shortage-Draw #2</u>	<b>\$2,777.30</b>						\$2,777.30	\$0.00
	GRAND TOTALS	\$\$95,934.97	\$176,866.00	\$136,641.00	\$0.00	\$313,507.00		\$285,205.27	\$15,909.30

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TO OWNER:	PROJECT:	AIA DOCUMENT G702 PAGE ONE OF 2 PAGES
Utilities, Inc. of Florida	Crystal Lake / Ravenna Park Interconnec	APPLICATION NO: 04 REV Distribution to: Distribution to: ARCHITECT
FROM CONTRACTOR:	VIA ARCHITECT:	PERIOD TO: 03/10/2016 CONTRACTOR
ECO-2000, INC. 1611 WEST CR 48 BUSHNELL, FL 33513	CPH, INC. 1117 E. ROBINSON ST. ORLANDO, FL 32801	PROJECT NOS:
CONTRACT FOR: CRYSTAL LAKE / RA		CONTRACT DATE:
CONTRACTOR'S APPLICAT Application is made for payment, as shown below, Continuation Sheet, AIA Document G703, is attach	in connection with the Contract	The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.
<ol> <li>ORIGINAL CONTRACT SUM</li> <li>Net change by Change Orders</li> <li>CONTRACT SUM TO DATE (Line 1 ± 2)</li> <li>TOTAL COMPLETED &amp; STORED TO</li> </ol>	\$ 595,934.97 \$ 12,788.00 \$ 608,722.97 \$ 369,901.00	CONTRACTOR: ECO-2000, INC.
DATE (Column G on G703) 5. RETAINAGE:		By: Date:
a. <u>10</u> % of Completed Work \$ (Column D + E on G703) b. <u>% of Stored Material</u> \$ (Column F on G703) Total Retainage (Lines 5a + 5b or	\$17,548.70	State of: FLORIDA County of: SUMTER Subscribed and sworn to before me this day of Notary Public: My Commission expires:
Total in Column I of G703)	\$ 17,548.70	ARCHITECT'S CERTIFICATE FOR PAYMENT
<ol> <li>TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)</li> <li>LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)</li> <li>CURRENT PAYMENT DUE</li> <li>BALANCE TO FINISH, INCLUDING RETAIL (Line 3 less Line 6)</li> </ol>	\$ 332,352.30 \$ 298,597.70 \$ 56,394.00 \$ 256,370.67	In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED
CHANGE ORDER SUMMARY	ADDITIONS DEDUCTIONS	
Total changes approved in previous months by Owner		(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.) ARCHITECT:
Total approved this Month	\$12,788.00	By: Date:
TOTALS	\$12,788.00	This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee.

ALA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

### APPLICATION NO: 04 REV APPLICATION DATE: PERIOD TO: ARCHITECT'S PROJECT NO:

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A	B	С	D	E	F	G		Н	T
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED	WORK CON		MATERIALS	TOTAL	%	BALANCE	RETAINAGE
110.		VALUE	FROM PREVIOUS APPLICATION	THIS PERIOD	PRESENTLY	COMPLETED	(G ÷ C)	<b>TO FINISH</b>	(IF VARIABLE
			(D + E)		STORED (NOT IN	AND STORED		(C - G)	RATE)
			(2 + 2)		D OR E)	TO DATE (D+E+F)			
								·····	
1	Demo of Crystal Lake WTF	\$10,000.00	\$10,000.00			\$10,000.00	100.00%		\$1,000.00
2	Mobilization/Demobilization	\$24,000.00	\$12,000.00			\$12,000.00	50.00%	\$12,000.00	\$1,200.00
3	6" Interconnect Pipeline	\$122,855.00	\$122,855.00			\$122,855.00	100.00%	\$12,000.00	\$12,285.50
4	8" SR 46A Crossing	\$14,238.00	\$14,238.00			\$14,238.00	100.00%		
5	Site Demolition	\$20,376.00		\$10,000.00		\$10,000.00	49.08%	\$10,376.00	\$1,423.80
5	Piping	\$22,188.97		010,000,00		\$10,000.00	47.0078		\$1,000.00
6	Sub-total	\$213,657.97						\$22,188.97	\$0.00
	Tank	,, ,,, ,,, ,,							\$0.00
	Equipment relocations	\$35,909.00							\$0.00
	Tank, aerator & accessories	\$277,734.00	\$154,414.00	C40.000.00				\$35,909.00	\$0.00
	Installation	\$4,7,754.00	9124,414.00	\$40,000.00		\$194,414.00	70.00%	\$83,320.00	\$0.00
9	Sub-total Tank	\$313,643.00							\$0.00
1		\$313,043.00							\$0.00
	<u>Electrical</u>	\$38,520.00						\$38,520.00	\$0.00
								<i>\$00,000</i>	\$0.00
	Fence and Site Restoration	\$26,634.00						\$26,634.00	\$0.00
								\$20,00 1.00	\$0.00
	Startup and Testing	\$3,480.00						\$3,480.00	\$0.00 \$0.00
	Change Order								
	Temporary 6" Interconnect	\$12,788.00		\$6,394.00			50 000/	<b>6</b> 6 <b>6</b> 0 <b>6 6</b>	<b>•</b> • • • • •
	Payment Shortage-Draw #2	\$1,777.30		<i>\$0,57</i> 4.00		\$6,394.00	50.00%	\$6,394.00	\$639.40
	GRAND TOTALS	\$595,934.97	\$313,507.00	\$56,394.00	\$0.00	\$369,901.00		£328 831 00	010 640
Jsers	may obtain validation of this docu	ment by reaues	ting of the license	a completed				\$238,821.97	\$17,548.70

APPLICATION AND CE		AIA DOCUMENT G702	PAGE ONE OF 2 PAGES
TO OWNER:	PROJECT:	APPLICATION NO: 05 REV	Distribution to:
Utilities, Inc. of Florida	Crystal Lake / Ravenna Park Interconnect		OWNER
			ARCHITECT
FROM CONTRACTOR:		PERIOD TO: 04/01/2016	5 CONTRACTOR
ECO-2000, INC.	VIA ARCHITECT:		
1611 WEST CR 48	CPH, INC.		
BUSHNELL, FL 33513	1117 E. ROBINSON ST. ORLANDO, FL 32801	PROJECT NOS:	
	E / RAVENNA PARK IMPROVEMENTS	CONTRACT DATE:	
CONTRACTOR'S APPL Application is made for payment, as showr Continuation Sheet, AIA Document G703,	ICATION FOR PAYMENT a below, in connection with the Contract. is attached.	The undersigned Contractor certifies that to the information and belief the Work covered by th completed in accordance with the Contract Do the Contractor for Work for which previous Co payments received from the Owner, and that co	is Application for Payment has been cuments, that all amounts have been paid by ertificates for Payment were issued and
<ol> <li>ORIGINAL CONTRACT SUM</li> <li>Net change by Change Orders</li> <li>CONTRACT SUM TO DATE (Line 1: TOTAL COMPLETED &amp; STORED TO DATE (Column G on G703)</li> <li>RETAINAGE:</li> </ol>	$ \begin{array}{c} \$ & 595,934.97 \\ \$ & 12,788.00 \\ \$ & 608,722.97 \\ \$ & 376,386.00 \end{array} $	CONTRACTOR: ECO-2000, INC.	Date:
a. <u>10</u> % of Completed Work (Column D + E on G703) b. % of Stored Material (Column F on G703) Total Retainage (Lines 5a + 5b or	\$\$ \$	Charlie A. Jones State of: FLORIDA Subscribed and sworn to before me this Notary Public: My Commission expires:	County of: SUMTER day of
Total in Column I of G703) 5. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) 7. LESS PREVIOUS CERTIFICATES FC PAYMENT (Line 6 from prior Certifica 8. CURRENT PAYMENT DUE 9. BALANCE TO FINISH, INCLUDING (Line 3 less Line 6)	$\frac{533,342.40}{32,3242.40}$ OR ate) $\frac{3334,991.70}{32,379.00}$	ARCHITECT'S CERTIFICA In accordance with the Contract Documents, b comprising the application, the Architect certifi Architect's knowledge, information and belief the quality of the Work is in accordance with the is entitled to payment of the AMOUNT CERT AMOUNT CERTIFIED	ased on on-site observations and the data fies to the Owner that to the best of the the Work has progressed as indicated, the Contract Documents, and the Contractor
CHANGE ORDER SUMMARY	ADDITIONS DEDUCTIONS	(Attach explanation if amount certified differs	from the amount applied. Initial all figures on this
Total changes approved in previous months by Owner	\$12,788.00	Application and on the Continuation Sheet that ARCHITECT:	t are changed to conform with the amount certified.)
Total approved this Month		Ву:	Date:
TOTALS	\$12,788.00	This Certificate is not negotiable. The AMOU	NT CERTIFIED is payable only to the
NET CHANGES by Change Order	\$12,788.00	Contractor named herein. Issuance, payment an prejudice to any rights of the Owner or Contract	acceptance of navment are without
	\$12,700.00	prejudice to any rights of the Owner or Contra	clor under this Contract

ALA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

### APPLICATION NO: 05 REV APPLICATION DATE: PERIOD TO: ARCHITECT'S PROJECT NO:

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A	В	С	D	E	F	G	_	H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED	WORK COM		MATERIALS	TOTAL	%	BALANCE	RETAINAGE
NO.		VALUE	FROM PREVIOUS APPLICATION	THIS PERIOD	PRESENTLY STORED	COMPLETED	(G ÷ C)	TO FINISH	(IF VARIABLE
			(D + E)		(NOT IN	AND STORED TO DATE		(C - G)	RATE)
					D OR E)	(D+E+F)			
	Demo of Crystal Lake WTF	\$10,000.00	\$10,000.00			\$10,000.00	100.00%		\$1,000.00
	Mobilization/Demobilization	\$24,000.00	\$12,000.00			\$12,000.00	50.00%	\$12,000.00	\$1,200.00
	6" Interconnect Pipeline	\$122,855.00	\$122,855.00			\$122,855.00	100.00%		\$12,285,50
	8" SR 46A Crossing	\$14,238.00	\$14,238.00			\$14,238.00	100.00%		\$1,423.80
	Site Demolition	\$20,376.00	\$10,000.00			\$10,000.00	49.08%	\$10,376.00	\$1,000.00
5	Piping	\$22,188.97						\$22,188.97	\$0.00
6	Sub-total	\$213,657.97						<b>+==,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$0.00 \$0.00
	<u>Tank</u>								\$0.00 \$0.00
6	Equipment relocations	\$35,909.00						\$35,909.00	
7	Tank, aerator & accessories	\$277,734.00	\$194,414.00			\$194,414.00	70.00%	. ,	\$0.00
8.	Installation	,.	¢12 i,12 iioo			\$154,414.00	70.0076	\$83,320.00	\$0.00
9	Sub-total Tank	\$313,643.00							\$0.00
									\$0.00
	Electrical	\$38,520.00		\$6,485.00		\$6,485.00	16.84%	£22 025 00	<b>*</b> C (0, <b>*</b> 0
				40,105.00		\$0,405.00	10.0470	\$32,035.00	\$648.50
	Fence and Site Restoration	\$26,634.00						<b>**</b> *****	\$0.00
		420,00 1.00						\$26,634.00	\$0.00
	Startup and Testing	\$3,480.00							\$0.00
		JJ,400.00						\$3,480.00	\$0.00
	<u>Change Order</u>						1		
	Temporary 6" Interconnect	\$12,788.00	\$6,394.00	\$6,394.00		PC 204 00	100.000/		
	Payment Shortage-Draw #2	\$137.90	40,05 1.00	00,024.00		\$6,394.00	100.00%		\$1,278.80
	GRAND TOTALS	\$595,934.97	\$369,901.00	\$12,879.00	\$0.00	\$376,386.00		\$225,942.97	\$18,836.60
Users	may obtain validation of this docu	ment by reques	ting of the license	a completed		1 - Certification	n of Docume	mt's Authontial	J10,030.00

G703-1992

O OWNER: tilities, Inc. of Florida (	PROJECT: Crystal Lake / Ravenna		APPLICATION NO:	06 REV	Distribution to:
tilities, Inc. of Florida (	Crystal Lake / Ravenna	<b>D</b> 1 <b>I</b> <i>i i</i>			Distribution to.
	•	Park Interconnect			OWNER
					ARCHITECT
ROM CONTRACTOR:			PERIOD TO:	04/28/2016	CONTRACTOR
	VIA ARCHITECT: CPH, INC.				
,	1117 E. ROBINSON ST	г	BROECT MOR.		
USHNELL, FL 33513	ORLANDO, FL 32801		PROJECT NOS:		
ONTRACT FOR: CRYSTAL LAKE / RAVE	ENNA PARK IMPROV	VEMENTS	CONTRACT DATE:		
<b>CONTRACTOR'S APPLICATI</b> oplication is made for payment, as shown below, in ontinuation Sheet, AIA Document G703, is attached	connection with the Cont	MENT ract.	information and belief the Wor completed in accordance with the Contractor for Work for wi	k covered by this the Contract Docum the previous Certi	est of the Contractor's knowledge, Application for Payment has been ments, that all amounts have been paid by ficates for Payment were issued and ent payment shown herein is now due.
ORIGINAL CONTRACT SUM Net change by Change Orders CONTRACT SUM TO DATE (Line 1 ± 2) TOTAL COMPLETED & STORED TO	\$ \$ \$ \$	595,934.97 12,788.00 608,722.97 423,110.50	CONTRACTOR: ECO-2000	, INC.	
DATE (Column G on G703) RETAINAGE:	•		Ву:		Date:
a. 10 % of Completed Work \$	\$22,869.60		Charlie A. Jones State of: FLORIDA		County of: SUMTER
(Column D + E on G703) b. % of Stored Material \$			Subscribed and sworn to befor	e me this	day of
(Column F on G703) Total Retainage (Lines 5a + 5b or	······································		Notary Public: My Commission expires:		
Total in Column I of G703) TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) CURRENT PAYMENT DUE BALANCE TO FINISH, INCLUDING RETAINA (Line 3 less Line 6)	S S AGE S	22,869.60 400,240.90 367,870.70 40,330.50 208,482.07	In accordance with the Contrac comprising the application, the Architect's knowledge, inform	et Documents, base Architect certifies ation and belief th cordance with the MOUNT CERTIF	TE FOR PAYMENT ed on on-site observations and the data to the Owner that to the best of the e Work has progressed as indicated, Contract Documents, and the Contractor ED.
CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS	(Attach explanation if amount	certified differs fre	om the amount applied. Initial all figures on this
Total changes approved in previous months by Owner	<b>\$</b> 12,788.00		Application and on the Continu ARCHITECT:	ation Sheet that a	re changed to conform with the amount certified.)
Total approved this Month			Ву:		Date:
TOTALS	\$12,788.00		This Certificate is not negotiab	le. The AMOUN	CERTIFIED is navable only to the
NET CHANGES by Change Order	\$12,788.	00	Contractor named herein. Issue prejudice to any rights of the C	ince, payment and	acceptance of payment are without

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AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

### APPLICATION NO: 06 REV APPLICATION DATE: PERIOD TO: ARCHITECT'S PROJECT NO:

A	В	С	D	E	F	G		Н	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED	WORK COM		MATERIALS	TOTAL	%	BALANCE	RETAINAGE
1.0.		VALUE	FROM PREVIOUS APPLICATION	THIS PERIOD	PRESENTLY	COMPLETED	(G ÷ C)	TO FINISH	(IF VARIABLE
			(D + E)		STORED (NOT IN	AND STORED TO DATE		(C - G)	RATE)
			(_ , _)		D OR E)	(D+E+F)			1
						·····			
1	Demo of Crystal Lake WTF	<b>\$</b> 10,000.00	\$10,000.00			\$10,000.00	100.00%		\$1,000.00
2	Mobilization/Demobilization	\$24,000.00	\$12,000.00			\$12,000.00	50.00%	\$12,000.00	\$1,200.00
3	6" Interconnect Pipeline	\$122,855.00	\$122,855.00			\$122,855.00	100.00%	\$12,000.00	\$12,285.50
4	8" SR 46A Crossing	\$14,238.00	\$14,238.00			\$14,238.00	100.00%		
5	Site Demolition	\$20,376.00	\$10,000.00	\$10,376.00		\$20,376.00	100.00%		\$1,423.80
5	Piping	\$22,188.97		\$12,000.00		,		£10 100 00	\$2,037.60
6	Sub-total	\$213,657.97		\$12,000.00		\$12,000.00	54.08%	\$10,188.97	\$1,200.00
	Tank	•213,037.27				1. Sec. 1. Sec			\$0.00
6	Equipment relocations	\$35,909.00		617.064.60		<b>A</b>			\$0.00
	Tank, aerator & accessories		6104 414 00	\$17,954.50		\$17,954.50	50.00%	\$17,954.50	\$1,795.40
	Installation	\$277,734.00	\$194,414.00			\$194,414.00	70.00%	\$83,320.00	\$0.00
									\$0.00
9	Sub-total Tank	\$313,643.00							\$0.00
	Electrical	\$38,520.00	\$6,485.00			\$6,485.00	16.84%	\$32,035.00	\$648.50
							10101/10	\$52,055.00	\$0.00
	Fence and Site Restoration	\$26,634.00						\$26,634.00	\$0.00 \$0.00
								\$20,034.00	
	Startup and Testing	\$3,480.00						62 480 00	\$0.00
		45,100100					ł	\$3,480.00	\$0.00
	<u>Change Order</u>								
	Temporary 6" Interconnect	\$12,788.00	\$12,788.00			\$12,788.00	100.00%		\$1,278,80
	Payment Shortage-Draw #2	\$0.00				\$12,700.00	100.0070		\$1,2/0.00
	Payment Overage-Draw# 5	\$1,150.00							
	GRAND TOTALS	\$595,934.97	\$382,780.00	\$40,330.50	\$0.00	\$423,110.50		\$185,612.47	\$22,869.60
Users	may obtain validation of this docu	ment by reques	ting of the licens	a completed	AIA Document D4	01 - Certificatio	n of Docume	ent's Authenticit	φ <i>22</i> ,007.00

AFFLICATION AND CE	ERTIFICATION FOR PAYMENT	ALA DOCUMENT G702	PAGE ONE OF 2 PAGES
IO OWNER:	PROJECT:	APPLICATION NO: 07 REV	Distribution to:
Utilities, Inc. of Florida	Crystal Lake / Ravenna Park Interconnect		OWNER
			ARCHITECT
FROM CONTRACTOR:	VIA ARCHITECT:	PERIOD TO: 05/31/2	016 CONTRACTOR
ECO-2000, INC.	CPH, INC.		
1611 WEST CR 48	1117 E. ROBINSON ST.	PROJECT NOS:	L
BUSHNELL, FL 33513	ORLANDO, FL 32801		
	E / RAVENNA PARK IMPROVEMENTS	CONTRACT DATE:	
CONTRACTOR'S APPI Application is made for payment, as show Continuation Sheet, AIA Document G703	LICATION FOR PAYMENT n below, in connection with the Contract. s, is attached.	the Contractor for Work for which previou	y this Application for Payment has been Documents, that all amounts have been paid by
<ol> <li>ORIGINAL CONTRACT SUM</li> <li>Net change by Change Orders</li> <li>CONTRACT SUM TO DATE (Line 1</li> <li>TOTAL COMPLETED &amp; STORED 1</li> </ol>		CONTRACTOR: ECO-2000, INC.	
DATE (Column G on G703) 5. RETAINAGE:		Ву:	Date:
a. 10 % of Completed Work	\$\$24,319.60	Charlie A. Jones State of: FLORIDA	County of: SUMTER
(Column D + E on G703) b% of Stored Material (Column F on G703) Total Retainage (Lines 5a + 5b or	\$	Subscribed and sworn to before me this Notary Public: My Commission expires:	day of
Total in Column I of G703)	\$ 24,319.60	<b>ARCHITECT'S CERTIFI</b>	CATE FOR PAYMENT
<ol> <li>TOTAL EARNED LESS RETAINAC (Line 4 Less Line 5 Total)</li> </ol>	SE \$ 413,290.90	In accordance with the Contract Document	s, based on on-site observations and the data
. LESS PREVIOUS CERTIFICATES F		comprising the application, the Architect or Architect's knowledge, information and be	artifies to the Owner that to the best of the
PAYMENT (Line 6 from prior Certified) B. CURRENT PAYMENT DUE	s 408,201.20 408,201.20	the quality of the Work is in accordance wi	th the Contract Documents and the Contractor
BALANCE TO FINISH, INCLUDING	GRETAINAGE \$ 195,432.07	is entitled to payment of the AMOUNT CE	RTIFIED.
(Line 3 less Line 6)		AMOUNT CERTIFIED \$	
CHANGE ORDER SUMMARY	ADDITIONS DEDUCTIONS	(Attach explanation if amount certified diff	ers from the amount applied. Initial all figures on this
Total changes approved in previous months by Owner	\$12,788.00	Application and on the Continuation Sheet ARCHITECT:	that are changed to conform with the amount certified.)
Total approved this Month		By:	Date:
TOTALS	\$12,788.00	This Certificate is not negotiable. The AM	OUNT CERTIFIED is payable only to the
NET CHANGES by Change Order	\$12,788.00	Contractor named herein. Issuance, paymer prejudice to any rights of the Owner or Con	it and acceptance of payment are without

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

A в С D E F G Н I TTEM DESCRIPTION OF WORK SCHEDULED WORK COMPLETED MATERIALS TOTAL BALANCE RETAINAGE NO. VALUE FROM PREVIOUS THIS PERIOD (G + C) PRESENTLY COMPLETED TO FINISH (IF VARIABLE APPLICATION STORED AND STORED (C - G) RATE) (D + E) (NOT IN TO DATE DORE) (D+E+F)1 Demo of Crystal Lake WTF \$10,000.00 \$10.000.00 \$10,000.00 100.00% \$1,000.00 2 Mobilization/Demobilization \$24,000.00 \$12,000.00 \$12,000.00 50.00% \$12,000.00 \$1,200.00 3 6" Interconnect Pipeline \$122,855.00 \$122,855.00 \$122,855.00 100.00% \$12,285.50 4 8" SR 46A Crossing \$14.238.00 \$14,238.00 \$14.238.00 100.00% \$1,423.80 5 Site Demolition \$20,376.00 \$20,376.00 \$20,376.00 100.00% \$2,037.60 5 Piping \$22,188.97 \$12,000.00 \$12,000.00 54.08% \$1,200.00 \$10,188.97 6 Sub-total \$213,657.97 \$0.00 Tank \$0.00 6 Equipment relocations \$35,909.00 \$17,954.50 \$17,954.50 50.00% \$17,954.50 \$1,795.40 7 Tank, aerator & accessories \$277,734.00 \$194,414.00 \$194,414.00 70.00% \$83.320.00 \$0.00 8 Installation \$0.00 9 Sub-total Tank \$313,643.00 \$0.00 Electrical \$38,520.00 \$6,485.00 16.84% \$6,485.00 \$32.035.00 \$648.50 \$0.00 Fence and Site Restoration \$26,634.00 \$14,500.00 \$14,500.00 54.44% \$12,134.00 \$1,450.00 \$0.00 Startup and Testing \$3,480.00 \$3,480.00 \$0.00 Change Order Temporary 6" Interconnect \$12,788.00 \$12,788.00 \$12,788.00 100.00% \$1,278.80 Payment Shortage-Draw #2 \$0.00 Payment Overage-Draw# 5 & 6 \$5,183.00 **GRAND TOTALS** \$595,934.97 \$423,110.50 \$14,500.00 \$0.00 \$437,610.50 \$171,112.47 \$24.319.60 Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity

G703-1992

APPLICATION AND CE		AIA DOCUMENT G702 PAGE ONE OF 2 PAGES
O OWNER:	PROJECT:	APPLICATION NO: 08 REV Distribution to:
Jtilities, Inc. of Florida	Crystal Lake / Ravenna Park Interconne	OWNER
ROM CONTRACTOR:		PERIOD TO: 06/08/2016 CONTRACTOR
CO-2000, INC.	VIA ARCHITECT: CPH, INC.	
611 WEST CR 48	1117 E. ROBINSON ST.	
BUSHNELL, FL 33513	ORLANDO, FL 32801	PROJECT NOS:
ONTRACT FOR: CRYSTAL LAK	E / RAVENNA PARK IMPROVEMENTS	CONTRACT DATE:
CONTRACTOR'S APPL Application is made for payment, as shown Continuation Sheet, AIA Document G703.	LICATION FOR PAYMENT n below, in connection with the Contract. , is attached.	The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.
. ORIGINAL CONTRACT SUM 2. Net change by Change Orders 3. CONTRACT SUM TO DATE (Line 1 4. TOTAL COMPLETED & STORED T		00 CONTRACTOR: ECO-2000, INC. 97
DATE (Column G on G703)	۳ <u></u>	By: Date
<ul> <li>a10_% of Completed Work</li> </ul>	\$ \$5,172.70	Charlie A. Jones
$\overline{(\text{Column D} + \text{E on G703})}$		State of: FLORIDA County of: SUMTER Subscribed and swom to before me this day of
b% of Stored Material (Column F on G703) Total Retainage (Lines 5a + 5b or	\$	Notary Public: My Commission expires:
Total in Column I of G703)	\$5,172.	70 ARCHITECT'S CERTIFICATE FOR PAYMENT
. TOTAL EARNED LESS RETAINAG (Line 4 Less Line 5 Total)	E \$ <u>432,437</u> .	80 In accordance with the Contract Documents, based on on-site observations and the data
. LESS PREVIOUS CERTIFICATES F		comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated,
PAYMENT (Line 6 from prior Certific . CURRENT PAYMENT DUE	sate) \$ 422,701. \$ 12,513.	20 the quality of the Work is in accordance with the Contract Documents, and the Contractor
. BALANCE TO FINISH, INCLUDING (Line 3 less Line 6)	GRETAINAGE \$ 176,285.	AMOUNT CERTIFIED
CHANGE ORDER SUMMARY	ADDITIONS DEDUCTIONS	
Total changes approved in previous months by Owner	\$12,788.00	Application and on the Continuation Sheet that are changed to conform with the amount certified.) ARCHITECT:
Total approved this Month		By: Date:
TOTALS	\$12,788.00	This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the
NET CHANGES by Change Order	\$12,788,00	Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

ALA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

### APPLICATION NO: 08 REV APPLICATION DATE: PERIOD TO: ARCHITECT'S PROJECT NO:

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Α	В	С	D	Е	F	G	T	Н	Т
ITEM	DESCRIPTION OF WORK	SCHEDULED	WORK COM		MATERIALS	TOTAL	%	BALANCE	RETAINAGE
NO.		VALUE	FROM PREVIOUS	THIS PERIOD	PRESENTLY	COMPLETED	(G ÷ C)	TO FINISH	(IF VARIABLE
			APPLICATION (D + E)		STORED (NOT IN	AND STORED TO DATE		(C - G)	RATE)
	·		(2 + 2)		D OR E)	(D+E+F)			
	Demo of Crystal Lake WTF	\$10,000.00	\$10,000.00			\$10,000.00	100.00%		\$0.00
	Mobilization/Demobilization	\$24,000.00	\$12,000.00			\$12,000.00	50.00%	\$12,000.00	\$0.00
3	6" Interconnect Pipeline	\$122,855.00	\$122,855.00			\$122,855.00	100.00%	·	\$0.00
4	8" SR 46A Crossing	\$14,238.00	\$14,238.00			\$14,238.00	100.00%		\$0.00
5	Site Demolition	\$20,376.00	\$20,376.00			\$20,376.00	100.00%		\$0.00
5	Piping	\$22,188.97	\$12,000.00			\$12,000.00	54.08%	\$10,188.97	\$0.00
6	Sub-total	\$213,657.97	,			•		010,10000	\$0.00
	Tank								\$0.00 \$0.00
6	Equipment relocations	\$35,909.00	\$17,954.50			\$17,954.50	50.00%	\$17,954.50	\$1,795.40
7	Tank, aerator & accessories	\$277,734.00	\$194,414.00			\$194,414.00	70.00%	\$83,320.00	\$0.00
	Installation	· · · · <b>,</b> · <b>-</b> · · · · ·				\$174,414.00	/0.00/0	\$65,520.00	\$0.00 \$0.00
9	Sub-total Tank	\$313,643.00							\$0.00 \$0.00
	Electrical	\$38,520.00	\$6,485.00			\$6,485.00	16.84%	\$32,035.00	\$648.50
									\$0.00
	Fence and Site Restoration	\$26,634.00	\$14,500.00			\$14,500.00	54.44%	\$12,134.00	\$1,450.00
									<b>\$</b> 0.00
	Startup and Testing	\$3,480.00						\$3,480.00	\$0.00
	Change Order								
	Temporary 6" Interconnect	\$12,788.00	\$12,788.00			\$12,788.00	100.00%		\$1,278,80
	Payment Shortage-Draw #2	\$0.00				,			
	Payment Overage-Draw# 5, 6 & 7	\$6,633.00							
	GRAND TOTALS	\$595,934.97	\$437,610.50	\$0.00	\$0.00	\$437,610.50		\$171,112.47	\$5,172.70
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# **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

## **EXHIBIT PCF-46**

# OF

# PATRICK C. FLYNN

# on behalf of

# Utilities, Inc. of Florida8

# **KNAPHEIDE TRUCK EQUIPMENT CENTER**

PO 215548

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N 8	ORTHBROOK IL 60062	DESTINATION: KNAPP		RL	
N 8	ORTHBROOK IL 60062 847-498-6440	DESTINATION: KNAPP	HEIDE TRUCK EQ-OF	RL	
N 8 Contact: F MAKE:	NORTHBROOK IL 60062 847-498-6440 PATRICK FLYNN 4079484 MODEL:	DESTINATION: KNAPP 214 Ship	HEIDE TRUCK EQ-OF Via:CPU VIN:		
N 8 Contact: F MAKE:	ORTHBROOK IL 60062 847-498-6440 PATRICK FLYNN 4079484	DESTINATION: KNAPP 214 Ship	HEIDE TRUCK EQ-OF Via:CPU		
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N 8 Contact: F MAKE: Start Date:	NORTHBROOK IL 60062 847-498-6440 PATRICK FLYNN 4079484 MODEL: 05/24/16Req. Date: SWAP ON KODIAK	DESTINATION: KNAPP 214 Ship YEAR: FO:	HEIDE TRUCK EQ-OF Via:CPU VIN:	PC:	EXT. SELL PRICE
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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* THANK YOU FOR YOUR BUSINESS

REMIT TO: KNAPHEIDE TRUCK EQ-SOUTHEAST 510 THORPE RD ORLANDO FL 32824 KNAPHEIDE KNAPHEIDE TERMS:N30 TOTAL 15,009.01 0.00 925.54 TOTAL 15,934.55

**SINCE 1848** 

## **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.

Docket No. 160101-WS

# EXHIBIT PCF-47

## OF

# PATRICK C. FLYNN

## on behalf of

# Utilities, Inc. of Florida8



# ADD-CHANGE FORM

	Change?	Budge	et Change			2016025	
Requested by:	Nate Carver				Date:	4/13/2016	
	Project Manager / A	rea Manager					
Project Name:	UIF Mapping S	ervices (PH	2)				
Company:	855	State of F	L Cost Center				
Business Unit:	855100	State of F	FL Cost Center	BU Type:		ОН	
Project Owner:	Bryan K. Gong	re		Bo Type.		UII	
Project Manager:	Bryan K. Gong	re		Budget Owner	r / RVP:	John Hoy	
Start Date:	4/25/2016	Q2 2016		Region:		Florida	
Estimated End Date:	6/30/2017	Q2 2017		State:		FL	
Project Type:	EH&S Cor	mpliance					
Will project replace/reti	re any assets:	No					
Previously Requested:	\$60,880						
This Request:	\$183,441						
ine requeen							
Still to be Requested:	\$0						
Still to be Requested: Total Project Budget: escription: nase 1: The UIF consolidated ust be updated in support of 1	\$244,321 rate case filing will ta the rate case filing as	well as provid	le current information to	the field staff. The m	naps mus	t depict water an	
Still to be Requested: Total Project Budget: escription: mase 1: The UIF consolidated ust be updated in support of the wer facilities including size of mase 2: Conversion of the re- velopments, and capital imp Download of information in O Development of a standard Data capture of basic system rification) and labeling in a si- pth of bury, asset age, etc., the Review of information and co- Quality Assurance/Quality O Development of Record Dra	\$244,321 I rate case filing will ta the rate case filing as f pipe, location of treat maining W&S maps in rovements. Tasks inc CAD, GIS, PDF or oth asset database templa in configuration, locatii tandardized format fou which may be added s orrespondence with ir ontrol of final CAD inf wing specification req	well as provid timent facilities nto a GIS data lude: er format. ate. on and asset in r each of the a subsequently a ndividual syste formation prior	le current information to s and lift stations, and o abase mapping system i information. This includ assets. It does not inclu as data is gathered in th em points of contact for r to posting to system.	the field staff. The n customers served by ncluding S/F and M/f es items such as ger de things such as inv e field. clarification or additic	naps mus class type F subdivis neral loca vert eleval onal inform	t depict water an e. sions, commercia tion (not GPS tions, valve turns nation.	l
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### **JUSTIFICATION / ALTERNATIVES**

#### Justification and Benefits:

Phase 1 - System maps for the Florida region will need to be updated with current information related to the distribution and collection facilities within each system including addresses for each customer and color coding by customer class. There are 23 water systems, 17 wastewater systems and 2 reuse systems. The updated information will be filed with the upcoming rate case scheduled for June 2016. This is a two-phase project. Phase 2 will be initiated in coordination with a UI-wide Asset Management Plan.

Phase 2 - Conversion of the system maps into a GIS database mapping system. The development of the Florida Asset Management Plan has identified the need for additional tools to fully optimize the process. The Esri GIS software solution has been selected as the GIS platform to support the Asset Management Program. This tool will provide a means of collecting up to date information of the Utility's linear assets in a network accessible by all levels of the regional organization. This upgrade in technology will improve workflow management, accurately identify and locate linear assets, track and trend data to better forecast the renewal and replacement profiles that will feed into capital planning efforts, guide expenditure decisions and ultimately improve level of service to the customer. Implementation of the Esri GIS software solution will require GIS formatted mapping to be in place in order to utilize the software package. Without the mapping, the GIS system will not have a foundation to run on and therefore not have any field functionality until GIS mapping is in place. The GIS database mapping system will produce a consolidated geodatabase with descriptive attribute data to support the allocation of resources for asset maintenance in daily operations and the continued maintenance and development of the GIS database locally.

#### **Risk Evaluation**

Phase 1 - Failure to file the updated system maps in the initial rate case filing may result in a deficiency delaying the final rates and at a minimum would result in a Staff Data Request.

Phase 2 - The Florida BU's Asset Management Plan is limited in its functionality without having its linear assets geolocated and incorporated into a GIS platform in order to facilitate an accurate account and precise location of its assets. The GIS mapping offers the means to document the age and condition of those assets and thus develop accurate trending and tracking of data in day to day operations. As the utility infrastructure continues to age it is critical to have a proactive plan in place to accurately forecast renewal and replacement profiles so that capital requirements are known and accounted for before asset failure occurs. Implementation of this type of tool is quickly becoming the industry standard. It provides a necessary tool to plan the timing and extent of renewing or replacing existing linear assets in order to insure delivery of a high level of service to our customers.

#### **Alternatives Considered:**

Phase 1 - The maps could be updated manually by staff members. Manual updates would include inputing the location and customer class data but would not allow for updating underground facilities data. Manual updates are time intensive and are dependent on availability of human resources that are very limited beyond current operational imperatives.

Phase 2 - Limit the mapping to one service area initially as a pilot project to field test the software and hardware. This alternative would not allow access to the software platform in the other service areas and further delay progress of a proactive asset management program on a region wide level. This is not recommended and would reduce the effectiveness and utilization of the purchased software and hardware.

**Technical Review Summary:** 



**Financial and Regulatory Implications** 

Capital Plan	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
Proposed Project Spend	244,321					
Project Spend in Current Plan	244,321					
Variance CIAC Collected	-		4			06 K
CIAC Collected	244,321	244,321	244,321	244,321	244,321	(if applicable)
	244,321	244,321	244,321	244,321	244,321	
O&M Cost Impact B/(W)						
Cinematel Instituenties						
Financial Justification		10 10 10 10 10 10 10 10 10 10 10 10 10 1		11.1		and the second
		3. S.	Martin Press		TICE STA	
			Served I	Rate Payers		
Estimated Revenue Impact per	r Customer:		(0.57)	(0.57)		
Number of Customers Impact		199	71,204	71,204		
	aros		5.00-5.1 L			
Utility Financial Impact	10- A.	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)			-	-	( <b>-</b> )	
Depreciation Impact on EBIT B/(	W)	(6,108)	(24,432)	(24,432)	(24,432)	(24,432)
Under-recovery on capital B/(W)		(17,866)	(16,034)	(14,201)	(12,369)	(10,536)
Net EBIT Impact B/(W)		(23,974)	(40,466)	(38,633)	(36,801)	(34,968)
Timing and Supporting Informa	ation on Rate	Recovery	1. 1. N. 1. 2			
Regulatory Plan Implications						
Regulatory Plan Implications	6 consolidated	rate case filing	g as a pro form	na project.		
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Bid	Company	A State	1.6.2.7. 3.3.	Amount	Selected
	Kimley-Horn - Phase 2	2		\$183,441	Yes
2					
3		TOTAL CONTRACTOR	A REAL PROPERTY.	The strengthered	Start Artist
Component:		Amount			
Value Bid Elements Engineering Direct Purchase of Parts / Ma		183,441.00		id hiğ(s) above	
Landscaping / Site Restoratio	n				
Other Components (specify): Cap Time					
Phase I approved and in proc	cess	60,880.00			
Total Project Budget		244,321.00	should match Total 8	Budget on General II	
Object Account(s) to whi	ich project will be clos	ed:		select from dro	
				select from dro	
				select from dro	
				select from dro	
					erence List
General Comments:					
Phase 1 - The threshold to obt	ain three bids for the Phas	se 1 work was not	exceeded.		
Diversion Address Light	and an address to the Di-	an O modier of the	e project Kimley II-	mia familiarih miti	DOUR WRS
Phase 2 - Additional bidders w systems, facilities and operatin					
throughout all of the UI BU's m	akes Kimely-Horn the pre	ferred contractor to	o complete this proj	ect. The other UI	3U's are utilizing
Kimley-Horn to accomplish sim	nilar tasks with the same s	cope of work in su	pport of the implem	entation of GIS.	Phase 1 of this
project included the conversion					
remaining maps ensures unifo platform when it is acquired.	mily of the conversion so	that there will be a	a seamless upload	or the maps onto t	ILE ESIL GIS
plation in mon it is adduned.					

Utilities, Inc.

Approvals

align with utility plan and meet technical requirements? Yes No □ igns with the Asset Management Plan and meets UI technical requirements. er Review sored by Nate Carver Date Held 4/21/2016 oceed Yes No □ ote if feedback received in review incorporated) ed and approved to proceed.	Yes INO □ chnical requirements. Held 4/21/2016	n and meets	Asset Management Plan Nate Carver Yes ☑ No ☐ received in review inco ed to proceed.	Comments This project aligns with the A <b>Fechnical Peer Review</b> Review Sponsored by Approval to proceed Comments (note if feedback
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leted by Christie Kincaid Date: 4/27/2016				P&A Review
leted by Christie Kincaid Date: 4/27/2016				P&A Review
comply with current Utility Rate and Regulatory Plan? Yes ⊻ No ⊥	Yes ⊻ No L	egulatory Pl		Review Completed by
			irrent Utility Rate and Ro	Does Project comply with cur Comments
Applicable	Appl			Approvals
ager: Bryan K. Gongre Date: 4/21/2016	Date: 4/21/2016	ongre	Bryan K. Go	Regional Manager:
s: Patrick C. Flynn Date: 4/21/2016	Date: 4/21/2016	Flynn	Patrick C. F	/P Operations:
John P. Hoy Date: 4/29/2016	Date: 4/29/2016	Ноу	John P. H	President:
Re-Direction Comments			Comments	Approval or Re-Direction C

February 21, 2016

Bryan Gongre Utilities Inc., of Florida 200 Weathersfield Ave Altamonte Springs, FL 32714

Re: UIF Mapping Professional Services Agreement

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to mapping and GIS conversion for all of the Utilities Inc., of Florida systems.

### Project Understanding

It is our understanding that the PSC filing maps needs to be completed by June 2016 with initial drafts due in April 2016 for review. The GIS mapping will need to be completed by the end of 2016. It is our understanding that there are 23 water systems, 17 sewer systems, and 2 reclaimed systems for a total of 42 systems.

### Scope of Services

Kimley-Horn will provide the services specifically set forth below.

# Task 1: Mapping services associated with the Public Service Commission Filing

Kimley-Horn will provide mapping revisions to the 40 water and sewer service areas as necessary. It is our understanding that all but 9 of the water and sewer service areas are currently mapped and have been used in previous PSC filings. For these 9 systems, the mapping will be developed in GIS format. This provides a time and cost savings for this effort as some of the data needed for the filing already exists in GIS databases, such as house numbers, and selectable lots, etc. This task includes the following items for each system:

- a. Updating/creating service area boundaries
- b. Identifying lots served by type and providing house addresses for each
- Updating/importing/creating infrastructure maps to show water and sewer pipelines and facilities
- d. Provide an updated asset inventory of each system
- e. Verify legal descriptions of new service area maps

### Task 2: GIS Conversion Services

Kimley-Horn will provide GIS Services to convert the remaining 35 system maps into a GIS database mapping system. Utilities Inc. will provide Kimley-Horn with their most recent base mapping.

kimley-horn.com 3660 Maguire Blvd, Ste 200, Orlando, FL 32803

Services will include:

- 1. Download of information in CAD, GIS, PDF, or other format. It is anticipated that the downloads will consist of, but not be limited to:
  - a. Record drawings and as-built information provided by UIF.
  - Mapping updates obtained by UIF employees.
- Development of standard asset database in coordination with UIF staff. This will determine what data will be set up for capture for all of the assets in each system.
- Data capture for basic system configuration/location and asset information. This
  includes items such as general location (not GPS verification) and labeling
  standardization for each of the assets. It does not include this such as invert
  elevations, valve turns, depth of bury, asset age, etc.
- 4. Review of information and correspondence with individual system points of contact for clarification or additional information.
- Quality Assurance / Quality Control of final CAD information prior to posting to system.
- Development of Record Drawing specification requirements for future development. These will be used for easier integration of future projects into the GIS system.

### **Additional Services**

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following:

- GPS location of the assets
- Asset management tasks associated with determining additional details of each of the assets such as:
  - o Age
  - o Material
  - o Type
  - Elevations
  - Other maintenance/operations data

### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information necessary for the completion of this project that is available.

### Fee and Expenses

Kimley-Horn will perform the services in Tasks 1-2 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1 PSC Filing Mapping

\$60,880

kimley-horn.com

3660 Maguire Blvd, Ste 200, Orlando, FL 32803

407-898-1511

Task 2 GIS Mapping Conversions	\$183,441
Total Lump Sum Fee	\$244,321

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy, and return the other to us. We will commence services only after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for sixty (60) days after the date of this letter.

To ensure proper set up of your projects so that we can get started, please complete and return with the signed copy of this Agreement the attached Request for Information. Failure to supply this information could result in delay in starting work on your project.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours, KIMLEY-HORN AND ASSOCIATES, INC.

By: Steve Romano, PE Sr. Project Manager

UTILITIES INC., OF FLORIDA Task 1: \$60,880

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Bryan Gongre, Regional Manager

Task 2: \$183,441

Bryan Gongre, Regional Manager

Attachment - Standard Provisions

Jay R. Jackson Sr. V.P. Authorized by:

kimley-horn.com 3660 Maguire Blvd, Ste 200, Orlando, FL 32803

407-898-1511

Page 3

### KIMLEY-HORN AND ASSOCIATES, INC.

#### STANDARD PROVISIONS

(1) Consultant's Scope of Services and Additional Services. The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform Additional Services, which shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.15 times cost.

(2) Client's Responsibilities. In addition to other responsibilities described herein or imposed by law, the Client shall:
 (a) Designate in writing a person to act as its representative with respect to this Agreement, such person having complete authority to transmit instructions, receive information, and make or interpret the Client's decisions.

(b) Provide all information and criteria as to the Client's requirements, objectives, and expectations for the project including all numerical criteria that are to be met and all standards of development, design, or construction.

(c) Provide to the Consultant all previous studies, plans, or other documents pertaining to the project and all new data reasonably necessary in the Consultant's opinion, such as site survey and engineering data, environmental impact assessments or statements, upon all of which the Consultant may rely.

(d) Arrange for access to the site and other private or public property as required for the Consultant to provide its services.

(e) Review all documents or oral reports presented by the Consultant and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of the Consultant.

(f) Furnish approvals and permits from governmental authorities having jurisdiction over the project and approvals and consents from other parties as may be necessary for completion of the Consultant's services.

(g) Cause to be provided such independent accounting, legal, insurance, cost estimating and overall feasibility services as the Client may require.

(h) Give prompt written notice to the Consultant whenever the Client becomes aware of any development that affects the scope, timing, or payment of the Consultant's services or any defect or noncompliance in any aspect of the project.
(i) Bear all costs incidental to the responsibilities of the Client.

(3) Period of Services. Unless otherwise stated herein, the Consultant will begin work timely after receipt of a properly executed copy of this Agreement and any required retainer amount. This Agreement is made in anticipation of conditions permitting continuous and orderly progress through completion of the services. Times for performance shall be extended as necessary for delays or suspensions due to circumstances that the Consultant does not control. If such delay or suspension extends for more than six months (cumulatively), Consultant's compensation shall be renegotiated.

(4) Method of Payment. Compensation shall be paid to the Consultant In accordance with the following provisions: (a) Invoices will be submitted periodically for services performed and expenses incurred. Payment of each invoice will be due within 25 days of receipt. The Client shall also pay any applicable sales tax. All retainers will be held by the Consultant for the duration of the project and applied against the final invoice. Interest will be added to accounts not paid within 25 days at the maximum rate allowed by law. If the Client fails to make any payment due to the Consultant under this or any other agreement within 30 days after the Consultant's transmittal of its invoice, the Consultant may, after giving notice to the Client, suspend services and withhold deliverables until all amounts due are paid in full and may commence proceedings, including filing liens, to secure its right to payment under this Agreement.

(b) If the Client relies on payment or proceeds from a third party to pay Consultant and Client does not pay Consultant's invoice within 60 days of receipt, Consultant may communicate directly with such third party to secure payment.

(c) If the Client objects to an invoice, it must advise the Consultant in writing giving its reasons within 14 days of receipt of the invoice or the Client's objections will be waived, and the invoice shall conclusively be deemed due and owing. If the Client objects to only a portion of the invoice, payment for all other portions remains due within 25 days of receipt.
(d) The Client agrees that the payment to the Consultant is not subject to any contingency or condition. The Consultant may negotiate payment of any check tendered by the Client, even if the words "in full satisfaction" or words intended to have similar effect appear on the check without such negotiation being an accord and satisfaction of any disputed debt and without prejudicing any right of the Consultant to collect additional amounts from the Client.

(5) Use of Documents. All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project

or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall goverm. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

(6) Opinions of Cost. Because the Consultant does not control the cost of labor, materials, equipment or services furnished by others, methods of determining prices, or competitive bidding or market conditions, any opinions rendered as to costs, including but not limited to opinions as to the costs of construction and materials, shall be made on the basis of its experience and represent its judgment as an experienced and qualified professional, familiar with the industry. The Consultant cannot and does not guarantee that proposals, bids or actual costs will not vary from its opinions of cost. If the Client wishes greater assurance as to the amount of any cost, it shall employ an independent cost estimator. Consultant's services required to bring costs within any limitation established by the Client will be paid for as Additional Services.

(7) Termination. The obligation to provide further services under this Agreement may be terminated by either party upon seven days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, or upon thirty days' written notice for the convenience of the terminating party. If any change occurs in the ownership of the Client, the Consultant shall have the right to immediately terminate this Agreement. In the event of any termination, the Consultant shall be paid for all services rendered and expenses incurred to the effective date of termination, and other reasonable expenses incurred by the Consultant as a result of such termination. If the Consultant's compensation is a fixed fee, the amount payable for services will be a proportional amount of the total fee based on the ratio of the amount of the services performed, as reasonably determined by the Consultant, to the total amount of services which were to have been performed.

(8) Insurance. The Consultant carries Workers' Compensation insurance, professional liability insurance in the amount of \$2,000,000 per claim, and general liability insurance. If the Client directs the Consultant to obtain increased insurance coverage, the Consultant will take out such additional insurance, if obtainable, at the Client's expense.

(9) Standard of Care. The standard of care applicable to Consultant's services will be the degree of care and skill ordinarily exercised by consultants performing the same or similar services in the same locality at the time the services are provided. No warranty, express or implied, is made or intended by the Consultant's undertaking herein or its performance of services, and it is agreed that the Consultant is not a fiduciary with respect to the Client.

(10) LIMITATION OF LIABILITY. In recognition of the relative risks and benefits of the Project to the Client and the Consultant, the risks have been allocated such that the Client agrees, to the fullest extent of the law, and notwithstanding any other provisions of this Agreement or the existence of applicable insurance coverage, that the total liability, in the aggregate, of the Consultant and the Consultant's officers, directors, employees, agents, and subconsultants to the Client or to anyone claiming by, through or under the Client, for any and all claims, losses, costs or damages whatsoever arising out of, resulting from or in any way related to the services under this Agreement from any cause or causes, including but not limited to, the negligence, professional errors or omissions, strict liability or breach of contract or any warranty, express or implied, of the Consultant or the Consultant's officers, directors, employees, agents, and subconsultants, shall not exceed twice the total compensation received by the Consultant under this Agreement or \$50,000, whichever is greater. Higher limits of liability may be negotiated for additional fee. Under no circumstances shall the Consultant be liable for extra costs or other consequences due to changed conditions, or for costs related to the failure of contractors to perform work in accordance with the plans and specifications. This Section 10 is intended solely to limit the remedies available to the Client or those claiming by or through the Client, and nothing in this Section 10 shall require the Client to indemnify the Consultant.

(11) Mutual Waiver of Consequential Damages. In no event shall either party be liable to the other for any consequential, incidental, punitive, or indirect damages including but not limited to loss of income or loss of profits.

(12) Certifications. The Consultant shall not be required to execute certifications or third-party reliance letters that are inaccurate, that relate to facts of which the Consultant does not have actual knowledge, or that would cause the Consultant to violate applicable rules of professional responsibility.

Rev 07/14

(13) **Dispute Resolution.** All claims by the Client arising out of this Agreement or its breach shall be submitted first to mediation in accordance with the Construction Industry Mediation Procedures of the American Arbitration Association as a condition precedent to litigation.

(14) Hazardous Substances and Conditions. In no event shall Consultant be a custodian, transporter, handler, arranger, contractor, or remediator with respect to hazardous substances and conditions. Consultant's services will be limited to professional analysis, recommendations, and reporting, including, when agreed to, plans and specifications for isolation, removal, or remediation. The Consultant shall notify the Client of hazardous substances or conditions not contemplated in the scope of services of which the Consultant actually becomes aware. Upon such notice by the Consultant, the Consultant may stop affected portions of its services until the hazardous substance or condition is eliminated.

### (15) Construction Phase Services.

(a) If the Consultant's services include the preparation of documents to be used for construction and the Consultant is not retained to make periodic site visits, the Client assumes all responsibility for interpretation of the documents and for construction observation, and the Client waives any claims against the Consultant in any way connected thereto.

(b) If the Consultant provides construction phase services, the Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs, or safety practices, nor shall Consultant have any authority or responsibility to stop or direct the work of any contractor. The Consultant's visits will be for the purpose of endeavoring to provide the Client a greater degree of confidence that the completed work of its contractors will generally conform to the construction documents prepared by the Consultant. Consultant neither guarantees the performance of contractors, nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents.

(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) **Confidentiality.** The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(18) **Miscellaneous Provisions.** This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision.

(19) PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

Rev 07/14

February 21, 2016

Bryan Gongre Utilities Inc., of Florida 200 Weathersfield Ave Altamonte Springs, FL 32714

Re: UIF Mapping Professional Services Agreement

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to mapping and GIS conversion for all of the Utilities Inc., of Florida systems.

#### Project Understanding

It is our understanding that the PSC filing maps needs to be completed by June 2016 with initial drafts due in April 2016 for review. The GIS mapping will need to be completed by the end of 2016. It is our understanding that there are 23 water systems, 17 sewer systems, and 2 reclaimed systems for a total of 42 systems.

#### Scope of Services

Kimley-Horn will provide the services specifically set forth below.

# Task 1: Mapping services associated with the Public Service Commission Filing

Kimley-Horn will provide mapping revisions to the 40 water and sewer service areas as necessary. It is our understanding that all but 9 of the water and sewer service areas are currently mapped and have been used in previous PSC filings. For these 9 systems, the mapping will be developed in GIS format. This provides a time and cost savings for this effort as some of the data needed for the filing already exists in GIS databases, such as house numbers, and selectable lots, etc. This task includes the following items for each system:

- a. Updating/creating service area boundaries
- b. Identifying lots served by type and providing house addresses for each
- Updating/importing/creating infrastructure maps to show water and sewer pipelines and facilities
- d. Provide an updated asset inventory of each system
- e. Verify legal descriptions of new service area maps

#### Task 2: GIS Conversion Services

Kimley-Horn will provide GIS Services to convert the remaining 35 system maps into a GIS database mapping system. Utilities Inc. will provide Kimley-Horn with their most recent base mapping.

3660 Maguire Blvd, Ste 200, Orlando, FL 32803

Services will include:

- Download of information in CAD, GIS, PDF, or other format. It is anticipated that the downloads will consist of, but not be limited to:
  - a. Record drawings and as-built information provided by UIF.
  - b. Mapping updates obtained by UIF employees.
- Development of standard asset database in coordination with UIF staff. This will determine what data will be set up for capture for all of the assets in each system.
- Data capture for basic system configuration/location and asset information. This
  includes items such as general location (not GPS verification) and labeling
  standardization for each of the assets. It does not include this such as invert
  elevations, valve turns, depth of bury, asset age, etc.
- 4. Review of information and correspondence with individual system points of contact for clarification or additional information.
- Quality Assurance / Quality Control of final CAD information prior to posting to system.
- Development of Record Drawing specification requirements for future development. These will be used for easier integration of future projects into the GIS system.

### **Additional Services**

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following:

- GPS location of the assets
- Asset management tasks associated with determining additional details of each of the assets such as:
  - o Age
  - Material
  - o Type
  - Elevations
  - o Other maintenance/operations data

#### Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information necessary for the completion of this project that is available.

#### Fee and Expenses

Kimley-Horn will perform the services in Tasks 1-2 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1 PSC Filing Mapping

\$60,880

kimley-horn.com

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Task 2 GIS Mapping Conversions	\$183,441
Total Lump Sum Fee	\$244,321

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

### Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

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Very truly yours. KIMLEY-HORN AND ASSOCIATES, INC.

By: Steve Romano, PE Sr. Project Manager

UTILITIES INC., OF FLORIDA Task 1: \$60,880

Bryand. Brige Bryan Gongre, Regional Manager

Task 2: \$183,441

Bryan Gongre, Regional Manager - 5/4/201b

Attachment - Standard Provisions

Authorized by: Jay R. Jackson

3660 Maguire Blvd, Ste 200, Orlando, FL 32803

### KIMLEY-HORN AND ASSOCIATES, INC.

#### STANDARD PROVISIONS

(1) Consultant's Scope of Services and Additional Services. The Consultant's undertaking to perform professional services extends only to the services specifically described in this Agreement. However, if requested by the Client and agreed to by the Consultant, the Consultant will perform Additional Services, which shall be governed by these provisions. Unless otherwise agreed to in writing, the Client shall pay the Consultant for any Additional Services an amount based upon the Consultant's then-current hourly rates plus an amount to cover certain direct expenses including telecommunications, in-house reproduction, postage, supplies, project related computer time, and local mileage. Other direct expenses will be billed at 1.15 times cost.

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(c) The Consultant is not responsible for any duties assigned to the design professional in the construction contract that are not expressly provided for in this Agreement. The Client agrees that each contract with any contractor shall state that the contractor shall be solely responsible for job site safety and for its means and methods; that the contractor shall indemnify the Client and the Consultant for all claims and liability arising out of job site accidents; and that the Client and the Consultant shall be made additional insureds under the contractor's general liability insurance policy.

(16) No Third-Party Beneficiaries; Assignment and Subcontracting. This Agreement gives no rights or benefits to anyone other than the Client and the Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole benefit of the Client and the Consultant. The Client shall not assign or transfer any rights under or interest in this Agreement, or any claim arising out of the performance of services by Consultant, without the written consent of the Consultant. The Consultant reserves the right to augment its staff with subconsultants as it deems appropriate due to project logistics, schedules, or market conditions. If the Consultant exercises this right, the Consultant will maintain the agreed-upon billing rates for services identified in the contract, regardless of whether the services are provided by in-house employees, contract employees, or independent subconsultants.

(17) Confidentiality. The Client consents to the use and dissemination by the Consultant of photographs of the project and to the use by the Consultant of facts, data and information obtained by the Consultant in the performance of its services. If, however, any facts, data or information are specifically identified in writing by the Client as confidential, the Consultant shall use reasonable care to maintain the confidentiality of that material.

(18) Miscellaneous Provisions. This Agreement is to be governed by the law of the State of Florida. This Agreement contains the entire and fully integrated agreement between the parties and supersedes all prior and contemporaneous negotiations, representations, agreements or understandings, whether written or oral. Except as provided in Section 1, this Agreement can be supplemented or amended only by a written document executed by both parties. Provided, however, that any conflicting or additional terms on any purchase order issued by the Client shall be void and are hereby expressly rejected by the Consultant. Any provision in this Agreement that is unenforceable shall be ineffective to the extent of such unenforceability without invalidating the remaining provisions. The non-enforcement of any provision by either party shall not constitute a waiver of that provision.

(19) PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

Rev 07/14

Invoice for Professional Services

3008141 PO# 208249 Requ# 221315

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520

Invoice No: Invoice Date: Invoice Amount: \$42,616.00

7533758 Mar 31, 2016

Project No: Project Name:

149685003.1 **UIF MAPPING SERVICES** Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Mar 31, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - PSC FILING MAPPING	60,880.00	70.00%	42,616.00	0.00	42,616.00
Subtotal	60,880.00	70.00%	42,616.00	0.00	42,616.00
Total LUMP SUM					42,616.00

DESCRIPTION OF SERVICES PERFORMED: GIS CONVERSIONS AND PSC MAPPING UPDATES

Total Invoice: \$42,616.00

Invoice for Professional Services

3008141 PO# 208249 Reept# 224177

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520

Invoice No: Invoice Date: Invoice Amount: \$12,176.00

7781057 Apr 30, 2016

Project No: Project Name:

149685003.1 **UIF MAPPING SERVICES** Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Apr 30, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Subtotal Total LUMP SUM	244,321.00	22.43%	54,792.00	42,616.00	12,176.00
TASK 2 - GIS MAPPING CONVERSIONS	183,441.00	0.00%	0.00	0.00	0.00
TASK 1 - PSC FILING MAPPING	60,880.00	90.00%	54,792.00	42,616.00	12,176.00
Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due

DESCRIPTION OF SERVICES PERFORMED: REVISIONS TO THE FIRST DRAFT OF THE PSC MAPS

Total Invoice: \$12,176.00

Invoice for Professional Services

3008141 DO#208249 Recyl#227089

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520 Invoice No: 7930106 Invoice Date: May 31, 2016 Invoice Amount: \$25,056.92

: \$25,056.92 149685003.1

Project Name: UIF MAPPING SERVICES Project Manager: ROMANO, STEVE

**Client Reference:** 

Project No:

For Services Rendered through May 31, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - PSC FILING MAPPING	60,880.00	95.00%	57,836.00	54,792.00	3,044.00
TASK 2 - GIS MAPPING CONVERSIONS	183,441.00	12.00%	22,012.92	0.00	22,012.92
Subtotal	244,321.00	32.68%	79,848.92	54,792.00	25,056.92
Total LUMP SUM					25,056.92

DESCRIPTION OF SERVICES PERFORMED: NATIONAL GIS DATABASE SETUP

Total Invoice: \$25,056.92

### Invoice for Professional Services

UTILITIES, INC. OF FLORIDA AND AFFILIATE ATTN: BRYAN GONGRE 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 932520 ATLANTA, GA 31193-2520

# 3008141 PO# 208249 Recpt 299131

Invoice No: Invoice Date:

8010368 Jun 30, 2016 Invoice Amount: \$36,063.38

Project No: 149685003.1 Project Name: **UIF MAPPING SERVICES** Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Jun 30, 2016

Federal Tax Id: 56-0885615

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - PSC FILING MAPPING	60,880.00	100.00%	60,880.00	57,836.00	3,044.00
TASK 2 - GIS MAPPING CONVERSIONS	183,441.00	30.00%	55,032.30	22,012.92	33,019.38
Subtotal	244,321.00	47.44%	115,912.30	79,848.92	36,063.38
Total LUMP SUM					36,063.38

DESCRIPTION OF SERVICES PERFORMED: STANDARD DATABASE DEVELOPMENT AND COMPLETION OF PSC FILING MAPS

### Total Invoice: \$36,063.38

UTILITIES, INC. OF FLORIDA AND AFFILIATE

Invoice for Professional Services

3008141 PO# 208249 Recpt, 231562

 Invoice No:
 8152616

 Invoice Date:
 Jul 31, 2016

 Invoice Amount:
 \$9,172.05

Project No: 149685003.1 Project Name: UIF MAPPING SERVICES Project Manager: ROMANO, STEVE

**Client Reference:** 

For Services Rendered through Jul 31, 2016

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC.

P.O. BOX 932520 ATLANTA, GA 31193-2520

Federal Tax Id: 56-0885615

ATTN: BRYAN GONGRE

200 WEATHERSFIELD AVENUE

ALTAMONTE SPRINGS, FL 32714

### LUMP SUM

Description	Contract Value	% Complete	Amount Earned to Date	Previous Amount Billed	Current Amount Due
TASK 1 - PSC FILING MAPPING	60,880.00	100.00%	60,880.00	60,880.00	0.00
TASK 2 - GIS MAPPING CONVERSIONS	183,441.00	35.00%	64,204.35	55,032.30	9,172.05
Subtotal	244,321.00	51.20%	125,084.35	115,912.30	9,172.05
Total LUMP SUM					9,172.05

DESCRIPTION OF SERVICES PERFORMED: LABRADOR SYSTEM DATA

Total Invoice: \$9,172.05

If you have questions or concerns regarding this invoice, please call Kasey Hughes at 407-427-1688.