

LAKESIDE WATERWORKS, INC.

FILED 7/7/2017
DOCUMENT NO. 05722-2017
FPSC - COMMISSION CLERK

June 28, 2017

Office of Commission Clerk
Florida Public Service Commission
Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399

*Re: Re: Docket No. 160195-WS - Application for Staff Assisted Rate Case (SARC)
in Lake County by Lakeside Waterworks, Inc. – Staff Third Data Request*

RECEIVED-FPSC
2017 JUL -7 AM 8:35
COMMISSION
CLERK

Dear Commission Clerk,

Lakeside Waterworks, Inc. (Lakeside) submits its response to Staff's Third Data Request in the SARC above referenced docket.

1. Meter Readings:

- A. Since 2015, there have been approximately five (5) different meter readers.
- B. There was one (1) employee terminated due to "curbing" meter readings. Once U.S. Water Services was aware of the issue, the customer was immediately terminated. This occurred around December 2016 or January 2017.
- C. Yes. Lakeside's contractor, U.S. Water Services has various procedures to safeguard accurate monthly meter readings. First, the meter readers are rotated to various utilities to protect against curbing and to ensure accurate readings. Since different meter readers go to different utilities by rotating work assignments, it assists in eliminating an employee "guessing" or making up readings. When meter readings are sent to be entered or uploaded, any variance from the previous reading would then be flagged and a service order issued to do a re-read of the meter(s). By having different employees rotated, the employee assigned must obtain the reading on his/her own. Second, the previous meter readings have recently been eliminated on the meter reading sheets sent out into the field. This was also done so that meter readers cannot look at the previous reading and then guess or make up a number higher than the previous month. The meter reading sheets are sent out with blanks to enter the actual reading. Thirdly, field technicians are sent out to verify meter readings and meter accuracy on each customer concern. Anytime there is an issue in the utility (system), the technicians are instructed to obtain a meter reading at the time the service order is worked. Finally, the monthly billings are reviewed to flag any high consumption and/or zero consumption. Subsequently, service orders are issued to do a meter inspection and conduct a re-read to verify the meter reading accuracy.

2. Lift Station Rehabilitation:

- A. Yes. These were previously discussed with the customers at two customer meetings. The first was on May 2, 2013 and the second was on November 13, 2014, The Office of Public Counsel was also present at the November 2014 meeting. Attached are copies of the PowerPoint presentations presented at each meeting.
- B. No additional quotes were received. The amount estimated was based on the experience of U.S. Water Services on various similar work completed throughout the state. Attached are a representative sample of different lift station rehabilitations performed and billed under contracts with Hillsborough County and Pasco County. Obviously each rehabilitation job will be different depending on the work needed. This estimate was given as a representative cost that would be passed onto customers if required or requested. Again, Lakeside is cognizant to the customers' concerns on rates and the impact the new wastewater treatment plant will have on the wastewater rates. Therefore, Lakeside is currently undertaking a less expensive option to address this lift station. See the response to No. 5 below. These improvement are scheduled to be complete within the next two weeks.

3. Chemical Analysis – Water – Please find attached a copy of the second quarter 2017 test results. The third quarter tests are scheduled for August 2017.

4. Flushing of Distribution System

- A. Unfortunately, no records were found. However, effective immediately the field personnel will be required to fill in the attached form for all flushing event. In the past, the field personnel would flush as a result of customer concerns. In addition, two (2) new automatic flushers (with timer, meter, and sprinkler) are being installed in the subdivision in the next two weeks. These auto flushers will automatically conduct flushing events without the need for manual intervention.
- B. Each one includes an auto flusher with timer, a meter and sprinkler. The cost for each is \$2,500 or \$5,000 for both.

5. Water Pressure and Quality Improvements – The items addressing the water pressure is currently being undertaken and is scheduled to be complete within the next two weeks. Below is a breakdown of the estimated costs for each project currently underway:

Wastewater - Small Lift Station: Install new duplex control panel, seal top slab ring with concrete, clean up electrical controls - \$2,400

Wastewater - Lift Station with Building (next to clubhouse) – New aluminum hatch, clean up control panel, install new ventilation fan, repair lighting, replace discharge piping, remove old metal from above ground station, install gravel inside building - \$4,000

LP Waterworks, Inc.
Staff Third Data Request
June 28, 2017

Water Treatment Plant Upgrades – Rebuild high service pumps, install interconnect between storage tanks, build panel for ground storage tank cycling, remove excess electrical and clean up electrical in building - \$12,000

Again, these items are currently underway and scheduled to be complete within the next two weeks.

Concerning the forced draft aeration related to water quality, as previously stated Lakeside believes this is too cost prohibited for the customers to bear the costs of these items. This would be an expensive project to undertake without the full support of the customers of Lakeside. If the customers and/or OPC desire for Lakeside to proceed and seek recovery through rates, or if the FPSC orders Lakeside to proceed, then Lakeside is willing and able to do so. However, this will have a significant upward pressure to the customers' water rates. Prior to this SARC, there were very little to no complaints on water quality. In fact, in the last SARC, customers stated that the water quality had improved since the acquisition of the utility.

Respectfully Submitted,



Troy Rendell
Manager of Regulated Utilities
// For Lakeside Waterworks, Inc.



Lakeside Waterworks, Inc.
Customer Briefing
May 2, 2013



Purpose of Today's Meeting

- Status of the Lakeside System
- Phase I Investments
- Phase II Investments
- PRE/POST Previous Owner
- Transfer Agreement
- Other Actions



Background

- **Shangri-La Utilities Became Lakeside Waterworks, Inc.**
 - November 17, 2012 – 5 ½ months ago
 - Serves roughly 186 customers within and outside the park
 - Water & Wastewater Facilities:
 - 50k GPD Capacity Wastewater Plant with Spray Field Disposal
 - 4 Lift Stations
 - 50k GPD Water Treatment Facility with 2 Wells
 - Date Utility was First Organized (in the eyes of the FPSC) – 1994 plants are much older



Your Service Provider

- **U.S. Water Services Corporation (USWSC)**
 - Sunday, April 28, 2013 was our 10th Year Anniversary
 - Shareholders have on average over 28 years in the business
 - Provide Full Services within the Water and Wastewater Industry (A few key services they provide):
 - Consultation with various governmental entities
 - Operations, maintenance, billing, engineering, and permitting
 - System Assessment Services

Capital Improvements – 2 Phases

Phase I: Investments:

Projected Costs:

Electrical Improvements	\$	15,000.00
Piping + Chemical Feed/pumps:	\$	10,000.00
Lift station #3 Rehab/pumping/piping:	\$	30,000.00
Lift Station #4 Pumps and Piping	\$	20,000.00
<u>Building at Lift Station #4:</u>	<u>\$</u>	<u>3,000.00</u>
Totals:	\$	78,000.00

Capital Improvements – Cont'd

Phase II: Investments

Projected Costs:

Replace Aeration basin	\$	30,000.00
New Air Header and Blowers	\$	25,000.00
Install New Flow Splitter/Bar Screen	\$	6,000.00
Install New Digester	\$	6,000.00
Demo Old Plant	\$	4,500.00
Misc. Site Work	\$	5,000.00
Rehab Spray Field	\$	7,000.00
<u>Rerate of Plant</u>	<u>\$</u>	<u>8,500.00</u>
Totals:	\$	92,000.00

Previous Owner's Operation

- **Perspective of Previous Viability of Utility: May 2, 2013**

Previous Owner: \$	2,011	2012
Net Income:	\$ (70,000.00)	\$(212,000.00)
ROE (8% on Rate Base of \$74k): \$	(5,920.00)	\$ (5,920.00)

Total Additional Revenue

Requirement For Rates:	\$ 75,920.00	\$ 217,920.00
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Note: Above with No Investments.

Note: No increase in water and wastewater rates since FPSC established in 1994 (might be some indexing but not consistent)



What Does All This Mean to You?

- **Previous:**

- 2011 – with no investments the revenue requirement was an addition \$75,920.00
- 2011 – with no investments the revenue requirement was an additional \$200k.

- **Lakeside (going forward):**

- With our investments for both phases (\$170,000.00) our revenue requirement will be an estimated \$80,250.00 in phase I and an additional \$10,800.00 in Phase II



Projected Rates

- Current based on average customer: \$30.83/month
- Phase I Rates based on average customer: \$66.79/month
- Phase II Rates based on average customer: \$71.62/month



Comparable Rates

Proposed Phase I: \$66.79

- Aqua Utilities Florida: \$ 116.96
- Tavares: \$ 63.82
- City of Eustis: \$ 62.65
- Harbor Hills: \$ 62.78
- Lady Lake: \$ 50.41
- Leesburg: \$ 49.93



Timing

- Transfer with the FPSC – should be completed in June
- Filing of the Staff Assisted Rate Case (SARC) - end of May
- Finalization of the SARC – October-December
- Phase I Rates - November – January
- Phase II Rates – estimated 12 – 18 months from Phase I rates



*Lakeside Waterworks, Inc.
Customer Briefing
November 13, 2014*



Purpose of Today's Meeting

- Status of the Lakeside System
- Plant Investments
- PRE/POST Previous Owner
- Transfer
- SARC (Staff Assisted Rate Case)
- Other Actions



Introductions

Gary Deremer - President Lakeside Waterworks, Inc.
and President of U.S. Water Services Corporation

Troy Rendell – Manager of Regulated Utilities

Ron DeRossett – Utilities Manager

Also, Steve Reilly – Office of Public Counsel





Background

- **Shangri-La Utilities Became Lakeside Waterworks, Inc.**
 - November 17, 2012 – Purchase Agreement with previous owner
 - Florida Public Service Commission approved transfer in Order No. PSC--13-0425-PAA-WS, issued September 18, 2013
 - Serves roughly 186 water and 179 wastewater customers within and outside the park
 - Water & Wastewater Facilities:
 - 50k GPD Capacity Wastewater Plant with Spray Field Disposal
 - 4 Lift Stations, 15 manholes
 - 50k GPD Water Treatment Facility with 2 Wells (6" and 8")
 - Date Utility was First Organized 1983




Your Service Provider

- **U.S. Water Services Corporation (USWSC)**
 - Organized April 2003
 - Largest Water and Wastewater Service Company in Florida
 - Providing water & wastewater service to over 750,000 consumers in Florida
 - Clients include:
 - Florida Governmental Utility Authority
 - Department of Defense (U.S. Gov)
 - Numerous Municipal and County governments
 - Investor Owned Utilities

Lakeside Waterworks has contracted with USWS to provide various water and wastewater services including:

➤ Meter Reading	➤ Regulatory - PSC, WMD, DEP	➤ Meter Replacements	➤ Disconnections
➤ System Maintenance	➤ Permits	➤ Line break repairs	➤ Re-reads
➤ Flushing	➤ DMRs, MORs - monthly reporting	➤ Minor repairs and/or replacements	➤ Generator Maintenance
➤ Billing / Collection	➤ CCRs - annual	➤ Locates	➤ Tank inspections
➤ Customer Service	➤ PSC Annual Reports	➤ Meter calibrations	➤ Vehicles
➤ Service Orders	➤ Accounting - <u>all</u> bookkeeping, record keeping, AR, AP, etc.	➤ Backflow preventor testing	➤ Office (also equipment, phones, etc.)



- 
- Customer Benefits of U.S. Water Services:
 - Full service operations company
 - Economies of Scale
 - Alleviates need for company to: purchase vehicles; hire accountant; customer service employees; full time operators and/or maintenance; build/rent office, computers, office machines; hire outside engineers; etc.
 - Financial Stability
 - Local presence in Lake County
 - Subsidized services provided not charged to company or customers (i.e. engineering, compliance, etc.)
 - Regulatory relations (DEP, WMD, DOH, PSC, etc.)

Capital Improvements – 2 Phases

Phase I: Water and Wastewater Investments (Completed 2013 – 2014):

Actual Costs:

Hydro tank improvement; chlorine pumps and injectors, electrical work	\$	7,062
Emergency repair to water main	\$	3,013
New wastewater pumps, repair diffusers and manifold, repair walkways and railing, <u>repair air header:</u>	\$	<u>3,690</u>
Totals:	\$	13,765

Water Plant



Water Plant (cont.)





Capital Improvements – 2 Phases

Phase II: Water Investments: (To be completed 2015 – 2016):

Projected Costs:

Control Panel (both wells and 4 high service pumps)	\$	15,000
SCADA system:	\$	6,000
Generator Housing:	\$	2,000
Meter Replacements	\$	2,000
<u>Replace Well #1 Meter:</u>	<u>\$</u>	<u>3,150</u>
Totals:	<u>\$</u>	<u>28,150</u>

Capital Improvements – Cont'd

Phase II: Wastewater Investments (To be completed 2015 – 2016):

Projected Costs:

Replace Aeration basin	\$	30,000
New Air Header and Blowers	\$	30,000
Install New Flow Splitter/Bar Screen	\$	8,000
Install New Digester	\$	6,000
Demo Old Plant	\$	6,000
Electrical Upgrade	\$	5,000
Rehab Spray Field (pump station, grading)	\$	15,000
Lift station #3 Rehab/pumping/piping:	\$	38,000
Lift Station #4 Pumps, Piping & Building	\$	41,000
Rerate of Plant	\$	19,000
Total:	\$	<u>198,000</u>

Wastewater Plant



Wastewater Plant (Cont.)



Spray Field



U.S. Water
Services Corporation

Lift Station #4



Lift Station #4 (cont.)



Previous Owner's Operation

- **Perspective of Previous Viability of Utility: May 2, 2013**

Previous Owner:	<u>2,011</u>	<u>2012</u>
Net Income:	\$ (29,239)	\$(13,607) **
ROE (8% on Rate Base):	\$ (22,771)	\$ (21,685)
	(\$260,538 – 2011; \$248,117 – 2012)	

Total Additional Revenue

Requirement For Rates:	\$ 52,210	\$ 35,292
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Note: Above with No Additional Capital Investments.

Note: No increase in water and wastewater rates since FPSC established in 1994 (might be some indexing but not consistent)

**** 2012 Net Income does not reflect a full year – sold utility in November 2012**



What Does All This Mean to You?

- **Previous:**

- 2011 – with no investments the revenue requirement was an approximate addition \$52,210
- 2012 – with no investments the revenue requirement was an approximate additional \$35,292. (*not a full year*)
- Previous owner applied for, then withdrew a rate case.

- **Lakeside (going forward):**

- Staff Assisted Rate Case filed July 19, 2013
- FPSC Customer Meeting held September 11, 2014
- PSC Vote on November 25, 2014

Projected Rates from SARC

- Current Monthly Water bill
based on customer usage 4,000 gallons: **\$17.88/month**
- Current Monthly Wastewater bill
based on customer usage 4,000 gallons: **\$19.85/month**
Total: **\$37.73/ month**
- Current SARC w/Phase I Rates
- Water (4,000 gallons): **\$27.23/month**
- Wastewater (4,000 gallons): **\$41.04/month**
- Total: **\$68.27/ month**



Projected Rates Phase II Rates

Current SARC w/Phase I Rates

- Water (4,000 gallons): \$31.88/month
- Wastewater (4,000 gallons): \$46.19/month
- Total: **\$78.07/ month**

Estimated Phase II Rates

- Water (4,000 gallons): \$31.88/month
- Wastewater (4,000 gallons): \$59.59/month
- Total: **\$91.47/ month**

Comparable Rates

SARC Phase I:	\$68.27
• FGUA (Lake County):	\$ 116.96
• Lake Utilities Services:	\$ 58.85
• TLP Water, Inc. (Tavares):	\$74.21 (<u>Water Only</u>)
• Tavares:	\$ 52.71 *
• City of Eustis:	\$ 53.43 *
• Harbor Hills:	\$ 62.78
• Lady Lake:	\$ 50.75 *
• Lady Lake (outside City):	\$ 63.44
• Mount Dora:	\$ 50.29 *

• *From Raftelis 2014 Rate Survey filed in Docket from customers



Timing

- Finalization of the SARC –December 2014
- Phase I Rates - December 2015
- Phase II Rates – estimated 18 months from Phase I rates



Mitigation of Rate Impact for Phase II

- Lakeside withdrew consideration in current SARC
- Do additional engineering analysis to minimize wastewater improvement costs
- Research additional developer contribution for future development
- Previous developer of Eagle Point contributed \$126,000 for upgrades to existing wastewater treatment plant.
- Requested service availability charges in current SARC.



Quality of Service

Water Quality – Naturally occurring Hydrogen Sulfides
in ground water

Aeration treatment process in place

Flushing program

Little to no customer complaints

Water pressure – increased

Water meets FDEP water standards and is safe to drink



Quality of Service

Wastewater – Treatment Plant is in need of repairs and replacements

Current WWTP is oversized for current need – requires re-rating of capacity

Lift Stations in need of rehabilitation

Spray Fields in need of rehabilitation



Questions?

U.S. Water

Services Corporation

Hillsborough County Application for Payment

Section I.

Project: Carrollwood Drive #1 PS Rehab		Appl #	1
CIP #	Bid#ITB-C-0082-0-2013/MK	Appl Date	3/15/2017
Contractor:		For Per From	7/18/2016
		For Per To	10/24/2016
PO#			

Change Order Summary				Contract Status	
1	2	3	4		
CO #	Date Appvd	Additive	Deductive		
1		\$ -	\$ -	Original Contract Sum	\$ 206,734.95
				Net Change By Change Orders (Column 3 minus Column 4)	\$ -
				Contract Sum to Date	\$ 206,734.95
				Value of Work In Place	\$ 206,734.95
				Value of Stored Materials	\$ -
				Total Earned	\$ 206,734.95
				Retainage at 10%	
				Total Earned Less Retainage	\$ 206,734.95
				Less Previous Payments	\$ -
				Less	\$ -
Totals		\$ -		Current Payment Due	\$ 206,734.95

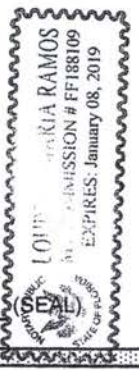
Section II. Certification by Contractor

The undersigned Contractor certifies:

- 1) All amounts and items shown on this application are correct.
- 2) Any work performed or materials supplied have been done in accordance with the contract documents.
- 3) That the contractor has clear title to any materials or equipment for which the contractor is requesting payment as stored materials.
- 4) All amounts paid by the County to the Contractor in previous progress payments have been applied by the Contractor and the Subcontractors to promptly pay, in proportionate amounts, all subcontractors, suppliers, and others who have contributed with or materials listed in the Schedule of Values of the previous Payment Applications, except as indicated on Attachment 1, which is incorporated herein, consisting of ___page(s).
- 5) The Contractor will apply any sums paid by the County from this Application for Payment to subcontractors, material, supplies and others who have contributed work or materials included in the line items referenced in the attached Schedule of Values (less retainage is applicable) except as indicated on Attachment 2, which is incorporated herein, consisting of ___ pages.

Contractor:	U.S. Water Services Corporation		
By:	Todd S. Smith		
Title	Project Manager	Date:	3/15/17

ATTEST: State of Florida County of Hillsborough
 Subscribed and Sworn to before me this 15 day of March, 2017
 Notary Public: *[Signature]*
 My Commission Expires: 11/8/19



(Section III) CERTIFICATION BY HILLSBOROUGH COUNTY AND REPRESENTATIVES

Based on on-site observations and the data comprising this Application for Payment, the undersigned certifies that the Work has progressed to the point indicated herein and to the best of my knowledge, information and belief is in accordance with the Contract Documents and that the CONTRACTOR is entitled to payment of the amount certified herein.

Hillsborough County INSPECTOR:	
Hillsborough County RESIDENT ENGINEER:	
Hillsborough County PROJECT MANAGER:	
Hillsborough County SECTION MANAGER:*	

Date	
Date	
Date	
Date	

(*Applicable if Project Manager is a temporary employee, consultant, or 50% of payment application; otherwise N/A)

County Representative:

Professional Consultant:	
By	

Date	
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Section I.

Project:	Carrollwood Drive #1 PS Rehab	
Bid #	ITB-C-0082-0-2013/MK	CIP#
Contractor:	U.S. Water Services Corporation	

Appl #	1
Appl Date	3/15/2017
For Per From	7/18/2016
For Per To	10/24/2016

A Item No.	B Description of Work	C Unit Price	Contract Sum to Date								Work In		Total		R Percent Complete
			Base Contract		AAR Application		Change Order Applications		Place This	Place This	Work In Place				
			Quantity	Value	No.	Quantity	Value	No.	Quantity	Value	Pay APP. (QTY)	Pay APP. (Value)	Quantity	Value	
MOBILIZATION REIMBURSEMENT PER WORK ORDER															
1	Project Planning & Mobilization	L.S.	1	\$794.32									1.0	\$ 794.32	100%
WET WELL CLEANING															
2	Vacuum truck cleaning and power washing of wet well interior	L.S.	1	\$529.55									1.0	\$ 529.55	100%
TRAFFIC CONTROL DEVICES															
3	Barricade Type I or II, With Warning Light	E.D.	1	\$0.42										\$ -	100%
4	Barricade Type III, With Warning Light	E.D.	1	\$0.53										\$ -	100%
5	Signs, construction	E.D.	1	\$0.85										\$ -	100%
6	Message Board - 5' Minimum Horizontal Size	E.D.	1	\$19.07										\$ -	100%
7	Traffic bollard - Permanent	EA.	1	\$264.77									2.0	\$ 529.54	100%
DEMOLITION OF EXISTING BUILDINGS, EQUIPMENT AND STRUCTURES															
8	Demolition of existing equipment and structure's containing lead base paint materials	C.F.	1	\$3.70										\$ -	100%
9	Demolition of asbestos containing materials	C.F.	1	\$4.24										\$ -	100%
10	Demolition of non-asbestos and non lead base paint containing materials	C.Y.	1	\$37.06									10.0	\$ 370.60	100%
CUTTING/DEMOLITION OF EXISTING PAVING, DRIVEWAY, SLABS, SIDEWALKS, FOOTING, CURB, WET WELL TOP SLABS, WETWELL WALLS, AND BELOW GRADE VAULTS															
11	Cutting/demolition of sidewalk, paving, driveway, slab, footing and curb removal	C.Y.	1	\$42.36									19.8	\$ 838.73	100%
12	Cutting/ demolition of wet well top slabs, wetwell walls, below grade vaults, and interior concrete	C.Y.	1	\$89.10									6.7	\$ 596.97	100%
EARTHWORK															
13	Excavation of Unsuitable Material	C.Y.	1	\$3.18									10.0	\$ 31.80	100%
14	Borrow (Truck Measure)	C.Y.	1	\$6.35									5.0	\$ 31.75	100%
15	Crushed Stone w/ geotextile fabric weed barrier	C.Y.	1	\$52.95									12.5	\$ 661.88	100%
16	Staked Silt Fence	L.F.	1	\$2.12										\$ -	100%
SODDING, RESTORATION, INCLUDES MAINTAINING FOR 30 DAYS															
17	Sodding - Bahia	S.Y.	1	\$2.38									88.0	\$ 209.44	100%
18	Sodding - St. Augustine	S.Y.	1	\$3.18										\$ -	100%
REMOVE/ RELOCATE/ REINSTALL FENCING AND GATES															
19	Remove and reinstall 6' high wood fencing	L.F.	1	\$10.59										\$ -	100%
20	Remove and reinstall 6' high wood gate and frame	EA.	1	\$68.84										\$ -	100%
21	Remove and reinstall 6' chain link fencing	L.F.	1	\$8.48										\$ -	100%
22	Remove and reinstall 6' high chain link gate	EA.	1	\$68.84										\$ -	100%
23	Furnish and install 4"x4"x 8' wood fence post	EA.	1	\$29.66										\$ -	100%
24	Furnish and install 6"x6"x 10' wood gate post	EA.	1	\$84.72										\$ -	100%
25	Core drilling (existing slab) for 4" - 6" fence & gate posts	EA.	1	\$37.06										\$ -	100%
NEW FENCING WITH POSTS AND GATES															
26	Wooden Shadow box fence - 6' high with posts	L.F.	1	\$27.54										\$ -	100%
27	7' Wide wood gate with metal frame and post	EA.	1	\$529.55										\$ -	100%

28	Type B fence (chain-link) - 6' high with posts	L.F.	1	\$23.29										\$ -	100%
29	7' Wide gate assembly, for Type B fence (chain-link)	EA.	1	\$635.46										\$ -	100%
30	Sliding gate assembly for Type B fence (chain-link), (per L.F.), Length Varies	L.F.	1	\$79.44										\$ -	100%
ASPHALTIC CONCRETE SURFACE AND FRICTION COURSES															
31	1-1/2" Asphalt, type S-1 or SP 12.5	S.Y.	1	\$12.71										\$ -	100%
32	Full depth asphalt, type S-1 or SP-12.5	TN.	1	\$31.77										\$ -	100%
33	Lime rock/crushed concrete base, 12" thick	S.Y.	1	\$20.12										\$ -	100%
34	Roadway density test and proctor - Initial	EA.	1	\$423.63						1.0	\$	423.63		\$ -	100%
35	Roadway density test - Additional (per additional density)	EA.	1	\$79.44										\$ -	100%
CONCRETE SIDEWALK, CURB ELEMENTS AND GEO BLOCK DRIVEWAY															
36	Concrete sidewalk 4" thick	S.Y.	1	\$31.77										\$ -	100%
37	Geo block driveway	S.Y.	1	\$52.95										\$ -	100%
38	Type F curb & gutter	L.F.	1	\$24.37										\$ -	100%
39	2' Valley gutter (Miami)	L.F.	1	\$24.37										\$ -	100%
CONCRETE DRIVEWAYS AND SLABS ON GRADE															
40	Concrete slab 6" thick with 1 layer 6X6 -W2.9XW2.9 WWF.	S.Y.	1	\$52.95						44.0	\$	2,329.80		\$ -	100%
41	Concrete driveways and slabs 6" thick with 2 layers 6X6 -W2.9XW2.9 WWF.	S.Y.	1	\$54.01						50.0	\$	2,700.50		\$ -	100%
42	Concrete footing 12" thick (reinf.)	S.Y.	1	\$121.80										\$ -	100%
WET WELL TOP SLAB AND WALLS															
43	Wet well top slab 10" thick (reinf.)	S.F.	1	\$68.84										\$ -	100%
44	Wet well top slab 12" thick (reinf.)	S.F.	1	\$74.14						113.0	\$	8,377.82		\$ -	100%
45	Wet well wall (reinf.)	C.F.	1	\$5.30										\$ -	100%
46	Miscellaneous wet well interior concrete	C.F.	1	\$5.30										\$ -	100%
PVC, C900 DR 18, RESTRAINED JOINT (R.J.), 0'-6" DEPTH															
47	6" C900 DR 18 PVC (R.J.)	L.F.	1	\$16.94						220.0	\$	3,726.80		\$ -	100%
48	8" C900 DR 18 PVC (R.J.)	L.F.	1	\$19.07						160.0	\$	3,051.20		\$ -	100%
49	10" C900 DR 18 PVC (R.J.)	L.F.	1	\$25.42										\$ -	100%
50	12" C900 DR 18 PVC (R.J.)	L.F.	1	\$31.71										\$ -	100%
C153 M.J. BENDS, 90, 45, 22.5, AND 11.25 DEGREE, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING															
51	6" MJ bend (R.J.), with Protecto-401 lining	EA.	1	\$423.63										\$ -	100%
52	8" MJ bend (R.J.), with Protecto-401 lining	EA.	1	\$556.02						1.0	\$	556.02		\$ -	100%
C153 M.J. FITTINGS NOT LISTED, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING															
53	Miscellaneous MJ fittings (R.J.), with Protecto-401 lining	LB.	1	\$13.24						250.0	\$	3,310.00		\$ -	100%
PLUG VALVE AND BOX, WITH RESTRAINED JOINTS															
54	6" Plug valve and box (R.J.)	EA.	1	\$1,270.90										\$ -	100%
55	8" Plug valve and box (R.J.)	EA.	1	\$1,588.63										\$ -	100%
56	10" Plug valve and box (R.J.)	EA.	1	\$2,091.70										\$ -	100%
57	12" Plug valve and box (R.J.)	EA.	1	\$3,177.26										\$ -	100%
DUCTILE IRON FLANGED PIPE, CLASS 54 WITH PROTECTO-401 LINING															
58	6" Diameter, 1'-2' length, with Protecto-401 lining	EA.	1	\$484.00						3.0	\$	1,452.00		\$ -	100%
59	6" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.	1	\$614.27										\$ -	100%
60	6" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.	1	\$953.18										\$ -	100%
61	8" Diameter, 1'-2' length, with Protecto-401 lining	EA.	1	\$640.75						2.0	\$	1,281.50		\$ -	100%
62	8" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.	1	\$815.49										\$ -	100%
63	8" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.	1	\$1,253.96										\$ -	100%
64	10" Diameter, 1'-2' length, with Protecto-401 lining	EA.	1	\$762.54										\$ -	100%

65	10" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA	1	\$990.24								\$ -	100%	
66	10" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA	1	\$1,567.45								\$ -	100%	
67	12" Diameter, 1'-2" length, with Protecto-401 lining	EA	1	\$889.63								\$ -	100%	
68	12" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA	1	\$1,246.55								\$ -	100%	
69	12" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA	1	\$1,885.17								\$ -	100%	
C153 FLANGED BENDS, 90, 45, AND 22.5 DEGREE WITH PROTECTO-401 LINING														
70	6" Flanged bend with Protecto-401 lining	EA	1	\$413.05								5.0 \$	2,065.25	100%
71	8" Flanged bend with Protecto-401 lining	EA	1	\$582.50								1.0 \$	582.50	100%
C153 FLANGED REDUCER WITH PROTECTO-401 LINING														
72	8"X4" Flanged reducer with Protecto-401 lining	EA	1	\$476.59								4.0 \$	1,906.36	100%
73	8"X6" Flanged reducer with Protecto-401 lining	EA	1	\$529.56								4.0 \$	2,118.20	100%
C153 FLANGED TEE WITH PROTECTO-401 LINING														
74	6"X6" Flanged tee with Protecto-401 lining	EA	1	\$503.07								\$ -	100%	
75	8"X8" Flanged tee with Protecto-401 lining	EA	1	\$714.88								3.0 \$	2,144.64	100%
76	6" Blind Flange with Protecto-401 lining	EA	1	\$264.77								1.0 \$	264.77	100%
C153 FLANGED FITTINGS NOT LISTED WITH PROTECTO-401 LINING														
77	Miscellaneous flanged fittings with Protecto-401 lining	LB.	1	\$8.48								617.0 \$	5,232.16	100%
GATE VALVE, FLANGED														
78	6" Gate valve, flanged	EA	1	\$720.18								4.0 \$	2,880.72	100%
79	8" Gate valve, flanged	EA	1	\$1,006.13								1.0 \$	1,006.13	100%
80	10" Gate valve, flanged	EA	1	\$1,535.68								\$ -	100%	
81	12" Gate valve, flanged	EA	1	\$1,853.40								\$ -	100%	
316L STAINLESS STEEL SCH. 40 FLANGED DISCHARGE PIPE														
82	6" Diameter, 316L S.S. Sch. 40 flanged pipe	L.F.	1	\$116.50								95.0 \$	11,067.50	100%
83	8" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.	1	\$121.80								\$ -	100%	
84	10" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.	1	\$137.69								\$ -	100%	
CHECK VALVE (LEVER AND WEIGHT OR RESILIENT HINGE ARM)														
85	6" check valve	EA	1	\$1,641.59								4.0 \$	6,566.36	100%
86	8" check valve	EA	1	\$2,488.86								\$ -	100%	
87	10" check valve	EA	1	\$3,764.00								\$ -	100%	
88	12" check valve	EA	1	\$5,412.99								\$ -	100%	
THREADED FLANGE AND NIPPLE WITH CAMLOCK AND PLUG OR DUST CAP														
89	6" Threaded flange & nipple with 6" female or male camlock and plug or dust cap	EA	1	\$582.50								2.0 \$	1,165.00	100%
90	6"x4" camlock adapter/reducer (male or female)	EA	1	\$264.77								2.0 \$	529.54	100%
WATER SERVICE ASSEMBLY														
91	1" Brass water service assembly with backflow preventer, water meter, and post	EA	1	\$953.18								\$ -	100%	
92	1" Sch 80 PVC or PE pipe and fittings	L.F.	1	\$2.65								\$ -	100%	
93	2" Brass water service assembly with backflow preventer, water meter, and post	EA	1	\$1,588.63								1.0 \$	1,588.63	100%
94	2" Sch 80 PVC or PE pipe and fittings	L.F.	1	\$3.18								50.0 \$	159.00	100%
PRESSURE GAUGE CONNECTION AND MANUAL ARV ASSEMBLY														
95	1/2" Tap with S.S. nipple and ball valve.	EA	1	\$238.30								4.0 \$	953.20	100%
96	Manual ARV assembly with drain pipe	EA	1	\$317.72								\$ -	100%	
ALUMINUM FRAME AND ACCESS HATCHES														
97	Aluminum frame and double access hatches (36" x 48")	EA	1	\$847.27								\$ -	100%	

125	Remove alarm assembly	EA	1	\$52.95								1.0	\$ 52.95	100%
126	Remove concrete posts	EA	1	\$529.55								3.0	\$ 1,588.65	100%
127	Remove SCADA antenna tower and base	EA	1	\$47.66									\$ -	100%
128	Remove force main pressure transducer assembly	EA	1	\$47.66									\$ -	100%
	CONTRACTOR INSTALL COUNTY FURNISHED CONTROL PANELS (INCLUDING RTU'S), JUNCTION BOXES, MAIN DISCONNECT, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCERS, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER ASSEMBLY, AND OTHER													
129	Install County furnished control panel with integral RTU or RTU only (All Sizes)	EA	1	\$529.55								2.0	\$ 1,059.10	100%
130	Install County furnished control panel, no RTU (All Sizes)	EA	1	\$121.80									\$ -	100%
131	Install County furnished junction box (All sizes including JB1 and two sizes JB4)	EA	1	\$63.55									\$ -	100%
132	Install County furnished main disconnect (All Sizes)	EA	1	\$121.80									\$ -	100%
133	Install County furnished electric meter housing/socket (All Sizes)	EA	1	\$73.84									\$ -	100%
134	Install County furnished alarm assembly	EA	1	\$54.18									\$ -	100%
135	Install County furnished area light assembly	EA	1	\$111.14								1.0	\$ 111.14	100%
136	Install County furnished auto dialer & enclosure	EA	1	\$118.10									\$ -	100%
137	Install County furnished control power transformer	EA	1	\$68.07									\$ -	100%
138	Install County furnished SCADA antenna tower (no base)	EA	1	\$62.48									\$ -	100%
139	Install County furnished level transducer	EA	1	\$54.89								1.0	\$ 54.89	100%
140	Install County furnished float system (3-6 floats)	EA	1	\$109.78								1.0	\$ 109.78	100%
141	Install County furnished force main pressure transducer assembly	EA	1	\$54.85									\$ -	100%
	CONTRACTOR FURNISH & INSTALL JUNCTION BOXES, MAIN DISCONNECTS, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCER, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER, SURGE ARRESTOR, AND OTHER													
142	Junction box (JB1) complete, (24"x30"x10")	EA	1	\$1,648.07								1.0	\$ 1,648.07	100%
143	Generator termination box (JB4) small (16.28"x14.28"x6.2") - complete	EA	1	\$667.44									\$ -	100%
144	Generator termination box (JB4) large (30"x24"x10") - complete	EA	1	\$1,415.37									\$ -	100%
145	Main disconnect assembly complete (MD1), with 150 amp circuit breaker	EA	1	\$3,298.72									\$ -	100%
146	Main disconnect assembly complete (MD1), with 250 amp circuit breaker	EA	1	\$4,220.46								1.0	\$ 4,220.46	100%
147	Main disconnect assembly complete (MD1), with 300 amp circuit breaker	EA	1	\$4,236.35									\$ -	100%
148	Main disconnect assembly complete (MD1), with 350 amp circuit breaker	EA	1	\$4,342.26									\$ -	100%
149	Alarm assembly	EA	1	\$504.12								1.0	\$ 504.12	100%
150	Area light assembly	EA	1	\$209.70									\$ -	100%
151	Auto dialer & enclosure	EA	1	\$1,159.70									\$ -	100%
152	Control power transformer	EA	1	\$1,715.72								1.0	\$ 1,715.72	100%
153	200A Electric Meter Housing/Socket	EA	1	\$534.83									\$ -	100%
154	400A Electric Meter Housing/Socket	EA	1	\$619.57									\$ -	100%
155	Lightning Arrestor for Electric Meter OR MD1 (All Sizes)	EA	1	\$291.25								3.0	\$ 873.75	100%
156	SCADA antenna tower base	EA	1	\$275.36									\$ -	100%
157	SCADA round tapered Aluminum pole with antenna (antenna tower)	EA	1	\$1,118.49									\$ -	100%
158	Level transducer	EA	1	\$1,959.90									\$ -	100%
159	Force main pressure transducer assembly complete	EA	1	\$2,816.40									\$ -	100%
160	Force main pressure transducer assembly without pressure gauge and diaphragm seal. Use PVC plug.	EA	1	\$2,642.33									\$ -	100%
	FURNISH & INSTALL CONCRETE POSTS, FLAT STOCK, AND UNISTRUT													
161	4" X 1/2" 6061 Aluminum, flat stock and appurtenances	LF	1	\$11.65								38.5	\$ 448.53	100%
162	1 5/8" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	LF	1	\$8.00								18.6	\$ 148.80	100%

163	13/16" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	L.F.	1	\$6.94														18.6	\$	129.08		100%	
164	13/16" X 13/16" X 12 Gage Aluminum unistrut and appurtenances	L.F.	1	\$6.94															0.0	\$	-		100%
165	6" x 6" x 8' Concrete post	EA.	1	\$59.30															3.0	\$	177.90		100%
FURNISH AND INSTALL SCHEDULE 80 PVC ELECTRICAL CONDUIT WITH FITTINGS																							
166	1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$3.30															5.0	\$	16.50		100%
167	3/4" - 1" Schedule 80 PVC conduit and fittings	L.F.	1	\$3.68															88.5	\$	325.68		100%
168	1 1/4" - 1 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$5.99															0.0	\$	-		100%
169	2" - 2 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$7.37															69.0	\$	508.53		100%
170	3" - 3 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$10.43															0.0	\$	-		100%
FURNISH AND INSTALL RIGID ALUMINUM ELECTRICAL CONDUIT WITH FITTINGS																							
	1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$9.80																\$	-		100%
172	3/4" - 1" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$10.19															40.0	\$	407.60		100%
173	1 1/4" - 1 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$18.76															12.0	\$	225.12		100%
174	2" - 2 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$33.63															129.0	\$	4,336.27		100%
175	3" - 3 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$34.96																\$	-		100%
176	1/2" - 3/4" Liquid tight flex conduit, fittings and grounding bushings	L.F.	1	\$19.90															3.0	\$	59.70		100%
177	1" - 1 1/2" Liquid tight flex conduit, fittings and grounding bushings	L.F.	1	\$17.84																\$	-		100%
178	2" Conduit gas seats	EA.	1	\$196.55															5.0	\$	982.75		100%
FURNISH AND INSTALL WIRING & GROUNDING																							
179	#12 - #16 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$0.41															1,115.0	\$	457.15		100%
180	#6 - #10 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$1.02															426.0	\$	434.52		100%
181	#3, #4 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$1.88															0.0	\$	-		100%
182	#1, #2 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$2.09															112.0	\$	234.08		100%
183	#1/0, #2/0 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$4.10															0.0	\$	-		100%
184	#3/0, #4/0 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$6.33															186.0	\$	1,177.38		100%
185	#250 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$7.53															150.0	\$	1,129.50		100%
186	#350 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$10.49																\$	-		100%
187	#500 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$14.83																\$	-		100%
188	Outdoor antenna cable and fittings each end	L.F.	1	\$3.07																\$	-		100%
189	#16 twisted shielded pair (analog cable)	L.F.	1	\$1.43															30.0	\$	42.90		100%
190	Telephone cable (outdoor)	L.F.	1	\$1.33																\$	-		100%
191	Ground rod (3/4" X 10' Cu - Clad)	EA.	1	\$90.95															8.0	\$	727.60		100%
192	#4 bare tinned copper ground cable	L.F.	1	\$2.10															107.0	\$	224.70		100%
193	#1/0 bare tinned copper ground cable	L.F.	1	\$3.39															112.0	\$	379.68		100%
194	Exothermic welding	EA.	1	\$108.95															10.0	\$	1,089.50		100%
WET WELL COATING, REHAB, LEAK SEALING, AND LINER REMOVAL																							
195	Chemical injection grout	GAL.	1	\$31.77															90.0	\$	2,859.30		100%
196	Hydraulic cement patching	C.F.	1	\$5.30																\$	-		100%
197	Sandblasting removal/disposal of solids	S.F.	1	\$3.18															800.7	\$	2,546.23		100%
198	Substrate resurfacing/rebuilding	C.F.	1	\$4.24															600.0	\$	2,544.00		100%
199	Wet well interior surface coating	S.F.	1	\$15.89															800.7	\$	12,723.12		100%
200	Remove T-lock PVC, Agri HDPE, or A-Lok Duraplate 100 PVC liner	S.F.	1	\$4.24															800.7	\$	3,394.97		100%
BY-PASS PUMPING & DISCHARGE PIPING - EQUIPMENT SET-UP & OPERATION (LOW DECIBEL, "QUIET SERIES")																							
201	Suction lift pump with backup pump (including up to 200' suction/discharge hose)	WK.	1	\$1,164.99															28.0	\$	32,619.72		100%
202	Additional suction/discharge hose (in excess of the 200' included in bid item above)	L.F.	1	\$2.12																\$	-		100%
PAINTING OF ABOVE GROUND PIPING AND APPURTENANCES																							
203	Paint pipe, fitting and valves	L.F.	1	\$5.30															80.0	\$	424.00		100%
LINE STOPS																							

204	6" line stop	EA.	1	\$2,647.72										\$	-	100%
205	8" line stop	EA.	1	\$3,442.04										\$	-	100%
206	10" line stop	EA.	1	\$3,706.81										\$	-	100%
207	12" line stop	EA.	1	\$4,236.35										\$	-	100%
SUBTOTAL														\$	181,745.92	100%
NPI																
N1	Future Odor Control Pipe	EA.	1	\$257.09										1.0	\$ 257.09	100%
N2	Install County Provided Level Transmitter	EA.	1	\$224.28										1.0	\$ 224.28	100%
N3	Install 90 LF of 4" x 6" Curb around perimeter of Station and Paint Safety Yellow	EA.	1	\$4,435.15										1.0	\$ 4,435.15	100%
N4	Install County Provided ARV with SS Drain Line	EA.	1	\$1,443.96										1.0	\$ 1,443.96	100%
N5	Provide and Install 1-6"x6"x10' Post	EA.	1	\$330.69										1.0	\$ 330.69	100%
N6	Install 180' of 6" c900 and 160' of 8" c900 and misc fittings for bypass discharge	EA.	1	\$7,404.69										1.0	\$ 7,404.69	100%
N7	Program Soft starts. Install and Program Level Controller, Covanta Flow meter	EA.	1	\$3,477.04										1.0	\$ 3,477.04	100%
N8	Henriquez Misc Electrical-Traffic rated hand hole, hole punch cabinets, misc hardware	EA.	1	\$7,416.13										1.0	\$ 7,416.13	
SUBTOTAL														\$	24,989.03	100%
Page Totals				\$	142,829.80			\$	-					\$	206,734.95	100%
Cumulative Totals				\$	142,829.80			\$	-					\$	206,734.95	100%



2611-26

Board of County Commissioners

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Stacy R. White

Public Utilities

County Administrator
Michael S. Merrill

WORCS -4
**PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE
DIAMETER WORK ORDER CONSTRUCTION SERVICES**
WORK ORDER 18

**County Administrator
Executive Team**
Lucia E. Garsys
Carl S. Harness
Gregory S. Horwedel
Ramin Kouzehkanani
Liana Lopez
Bonnie M. Wise

DATE PREPARED: October 31, 2016
WORK ORDER AMOUNT: \$158,575.65
CONTRACTOR: U.S. Water Services Corporation
PROJECT NAME: Queen Palm # 1 Pump Station Rehabilitation
HILLSBOROUGH COUNTY DOCUMENT NO: 13-0372
COUNTY PROJECT MANAGER: Jay Bhatt *B*
CONTRACTOR PROJECT MANAGER: Chad Ashley
COUNTY WORK ORDER COORDINATOR: Brian Lewis *BSL*

PO NO: 217202844
BID NO: ITB-C-0082-0-2013/MK
RQ: 217103027

Internal Auditor
Peggy Caskey

In accordance with the terms and conditions of the above term contract, Hillsborough County Public Utilities Department does hereby issue this Work Order. Work shall commence in accordance with the Notice to Proceed.

County Attorney
Chip Fletcher

The not-to-exceed price for the work described in the attached documents is \$158,575.65. However, actual payment shall be based on field measured quantities, not estimated bid or plan quantities.

HILLSBOROUGH COUNTY, FLORIDA

Public Utilities
PO Box 1110
Tampa, FL 33601-1110
Phone: (813) 272-5977
Fax: (813) 272-5589

Signed: *Ramin Kouzehkanani*
Director of Public Utilities Department or Designee

Date _____

Cc: Fiscal Operations, PUD
BOCC Accounting
Project File

Purchase Order Request Form Public Utilities Department

Purchase Order # 217202844
RQ: 217103027

Date Prepared October 31, 2016

Cams WO# 1317881

Contact Jay Bhatt
Phone 813-209-3032 Ext

Vendor Name	U.S. Water Services Corporation		
Address	4939 Cross Bayou Boulevard		
	New Port Richey, Florida 34652		
Phone	866-753-8292	Ext	

Agreement/BP No (if applicable) 216210950

Descriptions and Category (Commodity) Codes	Description	Category	Cost
	Line Commodity	913-59-20	\$157,525.65
	Non-Priced Items	963-22-40	\$1,050.00
Total Cost			\$158,575.65

C10138000			
Amount	\$158,575.65	\$0.00	\$0.00
POETA	Project C10348000 C10138000	CXXXXX000	CXXXXX000
	Organization	CAD-PU-Public Utilities	
MH 11/15/2016	Expenditure Type	CNTY-NonInfra Faci-Proj Constr	
	Task	14030.07	
	Award	04010500	

Specifications WORCS - 4, Bid No. C-0082-0-2013/MK, 2015-2016 Contract Year, Work Order # 18, Queenpalm # 1 900648 Pump Station Rehabilitation

Notepad 900648 Pump Station Rehabilitation CIP10138-14030 WORCS-4 WO # 18 Rehabilitation of the wastewater pump station located at 3816 Queen Palm Drive . Queenpalm is nearly a complete demolition retaining only the wetwell then rebuilding the station to current standards.

Requested by 11/1/16 *A E Fax J.* 11-1-2016 *Call to Matt* 11/8/16
Project Manager/Date Master Acct Manager/Date (if necessary) Team Leader/Date

Approval *Richard Kirby* *Randi Kim*
Rick Kirby, Section Manager/Date Randi Kim, Division Director / Date
11/8/16

**PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
WORK ORDER CONSTRUCTION SERVICES (WORCS-4)**

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT
 TN = TON R.J. = RESTRAINED JOINT WK. = WEEK L.S. = LUMP SUM EA. = EACH
 GAL. = GALLON C.F. = CUBIC FEET C.Y. = CUBIC YARD LB. = POUNDS E.D. = EACH DAY

BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
MOBILIZATION REIMBURSEMENT PER WORK ORDER					
1	Project Planning & Mobilization	L.S.	1.0	\$794.32	\$794.32
WET WELL CLEANING					
2	Vacuum truck cleaning and power washing of wet well interior	L.S.	1.0	\$529.55	\$529.55
TRAFFIC CONTROL DEVICES					
3	Barricade Type I or II, With Warning Light	E.D.		\$0.42	\$0.00
4	Barricade Type III, With Warning Light	E.D.		\$0.53	\$0.00
5	Signs, construction	E.D.		\$0.85	\$0.00
6	Message Board - 5' Minimum Horizontal Size	E.D.		\$19.07	\$0.00
7	Traffic bollard - Permanent	EA.	3.0	\$264.77	\$794.31
DEMOLITION OF EXISTING BUILDINGS, EQUIPMENT AND STRUCTURES					
8	Demolition of existing equipment and structure's containing lead base paint materials	C.F.		\$3.70	\$0.00
9	Demolition of asbestos containing materials	C.F.		\$4.24	\$0.00
10	Demolition of non-asbestos and non lead base paint containing materials	C.Y.	5.0	\$37.06	\$185.30
CUTTING/DEMOLITION OF EXISTING PAVING, DRIVEWAY, SLABS, SIDEWALKS, FOOTING, CURB, WET WELL TOP SLABS, WETWELL WALLS, AND BELOW GRADE VAULTS					
11	Cutting/demolition of sidewalk, paving, driveway, slab, footing and curb removal	C.Y.	15.25	\$42.36	\$645.99
12	Cutting/ demolition of wet well top slabs, wetwell walls, below grade vaults, and interior concrete	C.Y.	2.8	\$89.10	\$249.48
EARTHWORK					
13	Excavation of Unsuuitable Material	C.Y.	10.0	\$3.18	\$31.80
14	Borrow (Truck Measure)	C.Y.	10.0	\$6.35	\$63.50
15	Crushed Stone w/ geotextile fabric weed barrier	C.Y.	10.0	\$52.95	\$529.50
16	Staked Silt Fence	L.F.		\$2.12	\$0.00
SODDING, RESTORATION, INCLUDES MAINTAINING FOR 30 DAYS					
17	Sodding - Bahia	S.Y.		\$2.38	\$0.00
18	Sodding - St. Augustine	S.Y.	88.0	\$3.18	\$279.84
REMOVE/ RELOCATE/ REINSTALL FENCING AND GATES					
19	Remove and reinstall 6' high wood fencing	L.F.	83.0	\$10.59	\$878.97
20	Remove and reinstall 6' high wood gate and frame	EA.		\$68.84	\$0.00
21	Remove and reinstall 6' chain link fencing	L.F.		\$8.48	\$0.00
22	Remove and reinstall 6' high chain link gate	EA.		\$68.84	\$0.00

**PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
WORK ORDER CONSTRUCTION SERVICES (WORCS-4)**

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT L.S. = LUMP SUM EA. = EACH
 TN. = TON R.J. = RESTRAINED JOINT WK. = WEEK E.D. = EACH DAY
 GAL. = GALLON C.F. = CUBIC FEET C.Y. = CUBIC YARD LB. = POUNDS

BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
23	Furnish and install 4"x4"x 8' wood fence post	EA.	13.0	\$29.66	\$385.58
24	Furnish and install 6"x6"x 10' wood gate post	EA.	2.0	\$84.72	\$169.44
25	Core drilling (existing slab) for 4" - 6" fence & gate posts	EA.		\$37.06	\$0.00
NEW FENCING WITH POSTS AND GATES					
26	Wooden Shadow box fence - 6' high with posts	L.F.		\$27.54	\$0.00
27	7' Wide wood gate with metal frame and post	EA.	2.0	\$529.55	\$1,059.10
28	Type B fence (chain-link) - 6' high with posts	L.F.		\$23.29	\$0.00
29	7' Wide gate assembly, for Type B fence (chain-link)	EA.		\$635.46	\$0.00
30	Sliding gate assembly for Type B fence (chain-link), (per L.F.), Length Varies	L.F.		\$79.44	\$0.00
ASPHALTIC CONCRETE SURFACE AND FRICTION COURSES					
31	1-1/2" Asphalt, type S-I or SP 12.5	S.Y.		\$12.71	\$0.00
32	Full depth asphalt, type S-I or SP-12.5	TN.		\$31.77	\$0.00
33	Lime rock/crushed concrete base, 12" thick	S.Y.		\$20.12	\$0.00
34	Roadway density test and proctor - Initial	EA.	1.0	\$423.63	\$423.63
35	Roadway density test - Additional (per additional density)	EA.		\$2.12	\$0.00
CONCRETE SIDEWALK, CURB ELEMENTS AND GEO BLOCK DRIVEWAY					
36	Concrete sidewalk 4" thick	S.Y.		\$31.77	\$0.00
37	Geo block driveway	S.Y.		\$52.95	\$0.00
38	Type F curb & gutter	L.F.		\$24.37	\$0.00
39	2' Valley gutter (Miami)	L.F.		\$24.37	\$0.00
CONCRETE DRIVEWAYS AND SLABS ON GRADE					
40	Concrete slab 6" thick with 1 layer 6X6 -W2.9XW2.9 WWF.	S.Y.	26.8	\$52.95	\$1,417.47
41	Concrete driveways and slabs 6" thick with 2 layers 6X6 -W2.9XW2.9 WWF.	S.Y.	33.9	\$54.01	\$1,830.40
42	Concrete footing 12" thick (reinf.)	S.Y.	17.33	\$121.80	\$2,110.79
WET WELL TOP SLAB AND WALLS					
43	Wet well top slab 10" thick (reinf.)	S.F.		\$68.84	\$0.00
44	Wet well top slab 12" thick (reinf.)	S.F.	94.39	\$74.14	\$6,998.07
45	Wet well wall (reinf.)	C.F.		\$5.30	\$0.00
46	Miscellaneous wet well interior concrete	C.F.		\$5.30	\$0.00
PVC, C900 DR 18, RESTRAINED JOINT (R.J.), 0'-6' DEPTH					
47	6" C900 DR 18 PVC (R.J.)	L.F.		\$16.94	\$0.00

**PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
WORK ORDER CONSTRUCTION SERVICES (WORCS-4)**

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT
 TN. = TON R.J. = RESTRAINED JOINT WK. = WEEK L.S. = LUMP SUM EA. = EACH
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BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
48	8" C900 DR 18 PVC (R.J.)	L.F.		\$19.07	\$0.00
49	10" C900 DR 18 PVC (R.J.)	L.F.	20.0	\$25.42	\$508.40
50	12" C900 DR 18 PVC (R.J.)	L.F.		\$31.77	\$0.00
C153 M.J. BENDS, 90, 45, 22.5, AND 11.25 DEGREE, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING					
51	6" MJ bend (R.J.), with Protecto-401 lining	EA.		\$423.63	\$0.00
52	8" MJ bend (R.J.), with Protecto-401 lining	EA.		\$556.02	\$0.00
C153 M.J. FITTINGS NOT LISTED, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING					
53	Miscellaneous MJ fittings (R.J.), with Protecto-401 lining Refer to Tab "Misc MJ Weights"	LB.	729.0	\$13.24	\$9,651.96
PLUG VALVE AND BOX, WITH RESTRAINED JOINTS					
54	6" Plug valve and box (R.J.)	EA.		\$1,270.90	\$0.00
55	8" Plug valve and box (R.J.)	EA.		\$1,588.63	\$0.00
56	10" Plug valve and box (R.J.)	EA.		\$2,091.70	\$0.00
57	12" Plug valve and box (R.J.)	EA.	1.0	\$3,177.26	\$3,177.26
DUCTILE IRON FLANGED PIPE, CLASS 54 WITH PROTECTO-401 LINING					
58	6" Diameter, 1'-2' length, with Protecto-401 lining	EA.		\$484.00	\$0.00
59	6" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.		\$614.27	\$0.00
60	6" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.		\$953.18	\$0.00
61	8" Diameter, 1'-2' length, with Protecto-401 lining	EA.	3.0	\$640.75	\$1,922.25
62	8" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.	1.0	\$815.49	\$815.49
63	8" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.		\$1,253.96	\$0.00
64	10" Diameter, 1'-2' length, with Protecto-401 lining	EA.		\$762.54	\$0.00
65	10" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.		\$990.24	\$0.00
66	10" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.	1.0	\$1,567.45	\$1,567.45
67	12" Diameter, 1'-2' length, with Protecto-401 lining	EA.		\$889.63	\$0.00
68	12" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.		\$1,246.55	\$0.00
69	12" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.		\$1,885.17	\$0.00
C153 FLANGED BENDS, 90, 45, AND 22.5 DEGREE WITH PROTECTO-401 LINING					
70	6" Flanged bend with Protecto-401 lining	EA.	2.0	\$413.05	\$826.10
71	8" Flanged bend with Protecto-401 lining	EA.	7.0	\$582.50	\$4,077.50
C153 FLANGED REDUCER WITH PROTECTO-401 LINING					
72	6"X4" Flanged reducer with Protecto-401 lining	EA.		\$476.59	\$0.00

PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
 WORK ORDER CONSTRUCTION SERVICES (WORCS-4)

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT
 TN = TON R.J. = RESTRAINED JOINT WK. = WEEK L.S. = LUMP SUM EA = EACH
 GAL. = GALLON C.F. = CUBIC FEET C.Y. = CUBIC YARD LB. = POUNDS E.D. = EACH DAY

BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
73	8"X6" Flanged reducer with Protecto-401 lining	EA.	3.0	\$529.55	\$1,588.65
	C153 FLANGED TEE WITH PROTECTO-401 LINING				
74	6"X6" Flanged tee with Protecto-401 lining	EA.		\$503.07	\$0.00
75	8"X8" Flanged tee with Protecto-401 lining	EA.	2.0	\$714.88	\$1,429.76
76	6" Blind Flange with Protecto-401 lining	EA.		\$264.77	\$0.00
	C153 FLANGED FITTINGS NOT LISTED WITH PROTECTO-401 LINING				
77	Miscellaneous flanged fittings with Protecto-401 lining	LB.	169.0	\$8.48	\$1,433.12
	Refer to "Misc FL Weights)				
	GATE VALVE, FLANGED				
78	6" Gate valve, flanged	EA.	1.0	\$720.18	\$720.18
79	8" Gate valve, flanged	EA.	3.0	\$1,006.13	\$3,018.39
80	10" Gate valve, flanged	EA.		\$1,535.68	\$0.00
81	12" Gate valve, flanged	EA.		\$1,853.40	\$0.00
	316L STAINLESS STEEL SCH. 40 FLANGED DISCHARGE PIPE				
82	6" Diameter, 316L S.S. Sch. 40 flanged pipe	L.F.	25.0	\$116.50	\$2,912.50
83	8" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.	50.0	\$121.80	\$6,090.00
84	10" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.		\$137.69	\$0.00
	CHECK VALVE (LEVER AND WEIGHT OR RESILIENT HINGE ARM)				
85	6" check valve	EA.	1.0	\$1,641.59	\$1,641.59
86	8" check valve	EA.	2.0	\$2,488.86	\$4,977.72
87	10" check valve	EA.		\$3,764.00	\$0.00
88	12" check valve	EA.		\$5,412.99	\$0.00
	THREADED FLANGE AND NIPPLE WITH CAMLOCK AND PLUG OR DUST CAP				
89	6" Threaded flange & nipple with 6" female or male camlock and plug or dust cap.	EA.	2.0	\$582.50	\$1,165.00
90	6"x4" camlock adapter/reducer (male or female)	EA.	2.0	\$264.77	\$529.54
	WATER SERVICE ASSEMBLY				
91	1" Brass water service assembly with backflow preventer, water meter, and post	EA.		\$953.18	\$0.00
92	1" Sch 80 PVC or PE pipe and fittings	L.F.		\$2.65	\$0.00
93	2" Brass water service assembly with backflow preventer, water meter, and post	EA.	1.0	\$1,588.63	\$1,588.63
94	2" Sch 80 PVC or PE pipe and fittings	L.F.	60.0	\$3.18	\$190.80

PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
 WORK ORDER CONSTRUCTION SERVICES (WORCS-4)

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT EA = EACH
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BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
PRESSURE GAUGE CONNECTION AND MANUAL ARV ASSEMBLY					
95	1/2" Tap with S.S. nipple and ball valve.	EA.	3.0	\$238.30	\$714.90
96	Manual ARV assembly with drain pipe	EA.	1.0	\$317.72	\$317.72
ALUMINUM FRAME AND ACCESS HATCHES					
97	Aluminum frame and double access hatches (36" x 48")	EA.		\$847.27	\$0.00
98	Aluminum frame and double access hatches (42"x 64")	EA.	1.0	\$1,037.91	\$1,037.91
99	Aluminum Frame and Triple Access Hatches (For Triplex Station) (42" X 96"), (Installed in existing top slab)	EA.		\$1,721.01	\$0.00
EXTERIOR PIPE SUPPORT					
100	Exterior Pipe Support (All Sizes)	EA.	8.0	\$254.18	\$2,033.44
316L STAINLESS STEEL INTERIOR PIPE SUPPORT					
101	Interior pipe support	EA.	1.0	\$900.22	\$900.22
316 STAINLESS STEEL CONTROL AND POWER CABLE HOOK					
102	Pump power/transducer cable hook (1 - hook)	EA.	2.0	\$79.44	\$158.88
316 STAINLESS STEEL CONTROL/FLOAT CABLE HOOK ASSEMBLY					
103	Control/float cable hook assembly (6 - hook)	EA.	1.0	\$169.45	\$169.45
316 STAINLESS STEEL GUIDE RAILS AND BRACKETS					
104	2" 316 Stainless steel guide rail	L.F.	80.0	\$34.53	\$2,762.40
105	Dual upper guide rail bracket for front load 2" diameter guide pipe	EA.	2.0	\$211.82	\$423.64
106	Intermediate dual guide rail bracket with extension (one per pump)	EA.	2.0	\$503.07	\$1,006.14
REMOVE AND REINSTALL EXISTING PUMP GUIDE RAILS AND BRACKETS					
107	Remove and reinstall existing guide rails and brackets	L.F.		\$15.89	\$0.00
REMOVE AND INSTALL PUMP STATION PUMPS AND APPURTENANCES					
108	Remove and install a pump station pump	EA.	2.0	\$847.27	\$1,694.54
REMOVE EXISTING AND INSTALL COUNTY FURNISHED DISCHARGE BASE ELBOW AND BASE PLATE					
109	Remove existing and install county furnished discharge elbow and base plate	EA.	2.0	\$1,164.99	\$2,329.98
CORE DRILL EXISTING WETWELL TOP SLAB OR WETWELL WALL					
110	Core drill existing top slab for 6" - 8" diameter flanged discharge pipe	EA.		\$52.95	\$0.00

PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
 WORK ORDER CONSTRUCTION SERVICES (WORCS-4)

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT EA. = EACH
 TN = TON R.J. = RESTRAINED JOINT WK. = WEEK L.S. = LUMP SUM E.D. = EACH DAY
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BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
111	Core drill existing top slab for 10" diameter flanged discharge pipe	EA.		\$52.95	\$0.00
112	Core drill existing top slab for 1" - 2" diameter non-flanged pipe	EA.		\$52.95	\$0.00
113	Core drill existing wetwell wall to 4' depth for 1" - 2" diameter non-flanged pipe	EA.		\$52.95	\$0.00
114	Core drill existing wetwell wall to 4' depth for 6" - 8" diameter flanged pipe	EA.		\$52.95	\$0.00
	LINK SEAL				
115	Link seal for 6" - 8" dia. flanged discharge pipe	EA.	3.0	\$444.82	\$1,334.46
116	Link seal for 10" dia. flanged discharge pipe	EA.		\$582.50	\$0.00
	CONTRACTOR REMOVAL OF EXISTING CONTROL PANELS (INCLUDING RTU'S), JUNCTION BOXES, MAIN DISCONNECT, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCERS, AREA LIGHT ASSEMBLIES, AUTO DIALER AND ENCLOSURE, ALARM ASSEMBLIES, FORCE MAIN PRESSURE TRANSDUCER ASSEMBLY AND OTHER				
117	Remove control panel (no integral RTU), all sizes	EA.	1.0	\$1,270.90	\$1,270.90
118	Remove control panel (with integral RTU) or RTU Only, all sizes	EA.		\$1,270.90	\$0.00
119	Remove junction box	EA.	3.0	\$529.55	\$1,588.65
120	Remove main disconnect	EA.	4.0	\$317.72	\$1,270.88
121	Remove electric meter housing/socket	EA.	2.0	\$211.82	\$423.64
122	Remove level sensing system (up to six floats and one transducer)	EA.	1.0	\$1,059.09	\$1,059.09
123	Remove area light assembly	EA.	1.0	\$52.95	\$52.95
124	Remove auto dialer & enclosure	EA.	1.0	\$52.95	\$52.95
125	Remove alarm assembly	EA.	1.0	\$52.95	\$52.95
126	Remove concrete posts	EA.	5.0	\$529.55	\$2,647.75
127	Remove SCADA antenna tower and base	EA.		\$47.66	\$0.00
128	Remove force main pressure transducer assembly	EA.		\$47.66	\$0.00
	CONTRACTOR INSTALL COUNTY FURNISHED CONTROL PANELS (INCLUDING RTU'S), JUNCTION BOXES, MAIN DISCONNECT, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCERS, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER ASSEMBLY, AND OTHER				
129	Install County furnished control panel with integral RTU or RTU only (All Sizes)	EA.	1.0	\$529.55	\$529.55
130	Install County furnished control panel, no RTU (All Sizes)	EA.		\$121.80	\$0.00
131	Install County furnished junction box (All sizes including JB1 and two sizes JB4)	EA.	2.0	\$63.55	\$127.10
132	Install County furnished main disconnect (All Sizes)	EA.	1.0	\$121.80	\$121.80
133	Install County furnished electric meter housing/socket (All Sizes)	EA.		\$73.84	\$0.00
134	Install County furnished alarm assembly	EA.		\$54.18	\$0.00
135	Install County furnished area light assembly	EA.	1.0	\$111.14	\$111.14
136	Install County furnished auto dialer & enclosure	EA.	1.0	\$118.10	\$118.10
137	Install County furnished control power transformer	EA.	1.0	\$68.07	\$68.07
138	Install County furnished SCADA antenna tower (no base)	EA.		\$62.48	\$0.00
139	Install County furnished level transducer	EA.	1.0	\$54.89	\$54.89

**PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
WORK ORDER CONSTRUCTION SERVICES (WORCS-4)**

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT EA. = EACH
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 GAL. = GALLON C.F. = CUBIC FEET C.Y. = CUBIC YARD LB. = POUNDS

BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
140	Install County furnished float system (3-6 floats)	EA.	1.0	\$109.78	\$109.78
141	Install County furnished force main pressure transducer assembly	EA.		\$54.85	\$0.00
	CONTRACTOR FURNISH & INSTALL JUNCTION BOXES, MAIN DISCONNECTS, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCER, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER, SURGE ARRESTOR, AND OTHER				
142	Junction box (JB1) complete. (24"x30"x10")	EA.	0.0	\$1,648.07	\$0.00
143	Generator termination box (JB4) small (16.28"x14.28"x6.2") - complete	EA.		\$667.44	\$0.00
144	Generator termination box (JB4) large (30"x24"x10") - complete	EA.	0.0	\$1,415.37	\$0.00
145	Main disconnect assembly complete (MD1), with 150 amp circuit breaker	EA.		\$3,298.72	\$0.00
146	Main disconnect assembly complete (MD1), with 250 amp circuit breaker	EA.		\$4,220.46	\$0.00
147	Main disconnect assembly complete (MD1), with 300 amp circuit breaker	EA.		\$4,236.35	\$0.00
148	Main disconnect assembly complete (MD1), with 350 amp circuit breaker	EA.		\$4,342.26	\$0.00
149	Alarm assembly	EA.	1.0	\$504.12	\$504.12
150	Area light assembly	EA.		\$209.70	\$0.00
151	Auto dialer & enclosure	EA.		\$1,159.70	\$0.00
152	Control power transformer	EA.	0.0	\$1,715.72	\$0.00
153	200A Electric Meter Housing/Socket	EA.	1.0	\$534.83	\$534.83
154	400A Electric Meter Housing/Socket	EA.		\$619.57	\$0.00
155	Lightning Arrestor for Electric Meter OR MD1 (All Sizes)	EA.	0.0	\$291.25	\$0.00
156	SCADA antenna tower base	EA.	1.0	\$275.36	\$275.36
157	SCADA round tapered Aluminum pole with antenna (antenna tower)	EA.	1.0	\$1,118.49	\$1,118.49
158	Level transducer	EA.	0.0	\$1,959.90	\$0.00
159	Force main pressure transducer assembly complete	EA.		\$2,816.40	\$0.00
160	Force main pressure transducer assembly without pressure guage and diaphragm seal. Use PVC plug.	EA.	1.0	\$2,642.33	\$2,642.33
	FURNISH & INSTALL CONCRETE POSTS, FLAT STOCK, AND UNISTRUT				
161	4" X 1/2" 6061 Aluminum. flat stock and appurtenances	L.F.	40.0	\$11.65	\$466.00
162	1 5/8" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	L.F.	40.0	\$8.00	\$320.00
163	13/16" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	L.F.		\$6.94	\$0.00
164	13/16" X 13/16" X 12 Gage Aluminum unistrut and appurtenances	L.F.		\$6.94	\$0.00
165	6" x 6" x 8' Concrete post	EA.	6.0	\$59.30	\$355.80
	FURNISH AND INSTALL SCHEDULE 80 PVC ELECTRICAL CONDUIT WITH FITTINGS				
166	1/2" Schedule 80 PVC conduit and fittings	L.F.	10.0	\$3.30	\$33.00
167	3/4" - 1" Schedule 80 PVC conduit and fittings	L.F.	110.0	\$3.68	\$404.80
168	1 1/4" - 1 1/2" Schedule 80 PVC conduit and fittings	L.F.		\$5.99	\$0.00
169	2" - 2 1/2" Schedule 80 PVC conduit and fittings	L.F.	180.0	\$7.37	\$1,326.60

PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER
 WORK ORDER CONSTRUCTION SERVICES (WORCS-4)

WO #: 18

L.F. = LINEAR FOOT S.Y. = SQUARE YARD S.F. = SQUARE FOOT EA. = EACH
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D. DESCRIPTION	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
			3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
Queen Palm #1 Pump Station Rehabilitation				
170 3" - 3 1/2" Schedule 80 PVC conduit and fittings	L.F.	10.0	\$10.43	\$104.30
FURNISH AND INSTALL RIGID ALUMINUM ELECTRICAL CONDUIT WITH FITTINGS				
1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.		\$9.80	\$0.00
172 3/4" - 1" Rigid aluminum conduit, fittings and grounding bushings	L.F.	80.0	\$10.19	\$815.20
173 1 1/4" - 1 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	20.0	\$18.76	\$375.20
174 2" - 2 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	110.0	\$33.63	\$3,699.30
175 3" - 3 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	10.0	\$34.96	\$349.60
176 1/2" - 3/4" Liquid tight flex conduit, fittings and grounding bushings	L.F.	10.0	\$19.90	\$199.00
177 1" - 1 1/2" Liquid tight flex conduit, fittings and grounding bushings	L.F.		\$17.84	\$0.00
178 2" Conduit gas seals	EA.	4.0	\$196.55	\$786.20
FURNISH AND INSTALL WIRING & GROUNDING				
179 #12 - #16 THHN Cu 600 Volt stranded copper wire	L.F.	2,000.0	\$0.41	\$820.00
180 #6 - #10 THHN Cu 600 Volt stranded copper wire	L.F.	100.0	\$1.02	\$102.00
181 #3, #4 THHN Cu 600 Volt stranded copper wire	L.F.		\$1.88	\$0.00
182 #1, #2 THHN Cu 600 Volt stranded copper wire	L.F.	120.0	\$2.09	\$250.80
183 #1/0, #2/0 THHN Cu 600 Volt stranded copper wire	L.F.		\$4.10	\$0.00
184 #3/0, #4/0 THHN Cu 600 Volt stranded copper wire	L.F.	400.0	\$6.33	\$2,532.00
185 #250 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	200.0	\$7.53	\$1,506.00
186 #350 kcmil THHN Cu 600 Volt stranded copper wire	L.F.		\$10.49	\$0.00
187 #500 kcmil THHN Cu 600 Volt stranded copper wire	L.F.		\$14.83	\$0.00
188 Outdoor antenna cable and fittings each end	L.F.	50.0	\$3.07	\$153.50
189 #16 twisted shielded pair (analog cable)	L.F.		\$1.43	\$0.00
190 Telephone cable (outdoor)	L.F.	50.0	\$1.33	\$66.50
191 Ground rod (3/4" X 10' Cu - Clad)	EA.	8.0	\$90.95	\$727.60
192 #4 bare tinned copper ground cable	L.F.	100.0	\$2.10	\$210.00
193 #1/0 bare tinned copper ground cable	L.F.	120.0	\$3.39	\$406.80
194 Exothermic welding	EA.	20.0	\$108.95	\$2,179.00
WET WELL COATING, REHAB, LEAK SEALING, AND LINER REMOVAL				
195 Chemical injection grout	GAL.	30.0	\$31.77	\$953.10
196 Hydraulic cement patching	C.F.		\$5.30	\$0.00
197 Sandblasting removal/disposal of solids	S.F.	837.44	\$3.18	\$2,663.06
198 Substrate resurfacing/rebuilding	C.F.	104.7	\$4.24	\$443.84
199 Wet well interior surface coating	S.F.	837.44	\$15.89	\$13,306.92
200 Remove T-lock PVC, Agru HDPE, or A-Lok Duraplate 100 PVC liner	S.F.		\$4.24	\$0.00

PROJECT NAME: PUMP STATION REHABILITATION, 6"-10" DISCHARGE PIPE DIAMETER WORK ORDER CONSTRUCTION SERVICES (WORCS-4)					
WO #: 18					
L.F. = LINEAR FOOT		S.Y. = SQUARE YARD	S.F. = SQUARE FOOT		EA. = EACH
TN. = TON		R.J. = RESTRAINED JOINT	WK. = WEEK	L.S. = LUMP SUM	E.D. = EACH DAY
GAL. = GALLON		C.F. = CUBIC FEET	C.Y. = CUBIC YARD	LB. = POUNDS	
BID ITEM NO.	D. DESCRIPTION Queen Palm #1 Pump Station Rehabilitation	E. UNIT OF MEASURE	F. BID QUANTITY	US Water Services Corp	
				3rd Renewal UNIT PRICE \$	TOTAL AMOUNT IN FIGURES \$
	BY-PASS PUMPING & DISCHARGE PIPING - EQUIPMENT SET-UP & OPERATION (LOW DECIBEL, "QUIET SERIES")				
201	Suction lift pump with backup pump (including up to 200' suction/discharge hose)	WK.	16.0	\$1,164.99	\$18,639.84
202	Additional suction/discharge hose (in excess of the 200' included in bid item above)	L.F.		\$2.12	\$0.00
	PAINTING OF ABOVE GROUND PIPING AND APPURTENANCES				
203	Paint pipe, fitting and valves	L.F.	50.0	\$5.30	\$265.00
	LINE STOPS				
204	6" line stop	EA.		\$2,647.72	\$0.00
205	8" line stop	EA.		\$3,442.04	\$0.00
206	10" line stop	EA.		\$3,706.81	\$0.00
207	12" line stop	EA.	1.0	\$4,236.35	\$4,236.35
	SUBTOTAL				\$157,525.65
	NPI				
	Installation of electrical items	EA.	1.0	\$1,050.00	\$1,050.00
	Blank	EA.			\$0.00
	SUBTOTAL				\$1,050.00
	TECO				
	Blank	L.S.			\$0.00
	SUBTOTAL				\$0.00
	PERMITS				
	Blank	L.S.			\$0.00
	SUBTOTAL				\$0.00
TOTAL					\$158,575.65

1F/4-19

CONSTRUCTION PAYMENT

Hillsborough County Application for Payment

Section I.

Project: <u>Carrollwood Drive #1 PS Rehab</u> <u>Dogwood PS Rehabilitation</u>	Appl #
CIP # <u>Bid#ITB-C-0082-0-2013/MK</u>	Appl Date <u>3/15/2017</u>
Contractor: <u>US Water Services Corporation</u>	For Per From <u>7/18/2016</u>
PO# <u>217 200928</u>	For Per To <u>10/24/2016</u>

Change Order Summary			
1	2	3	4
CO #	Date Appvd	Additive	Deductive
1		\$ -	\$ -
Totals		\$ -	\$ -

Contract Status	
Original Contract Sum	<u>210,599.54</u> 206,734.95
Net Change By Change Orders (Column 3 minus Column 4)	<u>(\$3,804.59)</u>
Contract Sum to Date	\$ 206,734.95
Value of Work In Place	\$ 206,734.95
Value of Stored Materials	\$ -
Total Earned	\$ 206,734.95
Retainage at 10%	
Total Earned Less Retainage	\$ 206,734.95
Less Previous Payments	\$ -
Less	\$ -
Current Payment Due	\$ 206,734.95

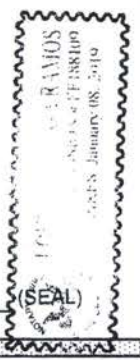
Section II. Certification by Contractor

The undersigned Contractor certifies:

- 1) All amounts and items shown on this application are correct.
- 2) Any work performed or materials supplied have been done in accordance with the contract documents.
- 3) That the contractor has clear title to any materials or equipment for which the contractor is requesting payment as stored materials.
- 4) All amounts paid by the County to the Contractor in previous progress payments have been applied by the Contractor and the Subcontractors to promptly pay, in proportionate amounts, all subcontractors, suppliers, and others who have contributed with or materials listed in the Schedule of Values of the previous Payment Applications, except as indicated on Attachment 1, which is incorporated herein, consisting of ___page(s).
- 5) The Contractor will apply any sums paid by the County from this Application for Payment to subcontractors, material, supplies and others who have contributed work or materials included in the line items referenced in the attached Schedule of Values (less retainage is applicable) except as indicated on Attachment 2, which is incorporated herein, consisting of ___ pages.

Contractor: <u>US Water Services Corporation</u>
By: <u>[Signature]</u>
Title: <u>Financial Controller</u> Date: <u>3/15/17</u>

ATTEST: State of Florida County of Hillsborough
 Subscribed and Sworn to before me this 5 day of March, 2017
 Notary Public: [Signature]
 My Commission Expires: 11/8/19



(Section III) CERTIFICATION BY HILLSBOROUGH COUNTY AND REPRESENTATIVES

Based on on-site observations and the data comprising this Application for Payment, the undersigned certifies that the Work has progressed to the point indicated herein and to the best of my knowledge, information and belief is in accordance with the Contract Documents and that the CONTRACTOR is entitled to payment of the amount certified herein.

Hillsborough County INSPECTOR:		Date	
Hillsborough County RESIDENT ENGINEER:		Date	
Hillsborough County PROJECT MANAGER:		Date	
Hillsborough County SECTION MANAGER:*		Date	

*Applicable if Project Manager is a temporary employee, consultant, or 50% of payment application, otherwise N/A

County Representative:

Professional Consultant:		Date	
By:			

00104427/62/EO 11411 011919

Section I

Project: Armillwood Drive #1 PS Rehab
Dagwood PS Rehabilitation
 Bid # ITB-C-0082-0-2013/MK C/P#
 Contractor: U.S. Water Services Corporation

Appl #	1
Appl Date	3/15/2017
For Per From	7/18/2016
For Per To	10/24/2016

A Item No.	B Description of Work	C Unit Price	Contract Sum to Date										Total			R Percent Complete	
			Base Contract		AAR Application		Change Order Applications			Work In Place This	Work In Place This	Work In Place	Value	Value			
			Quantity	Value	No.	Quantity	Value	No.	Quantity	Value	Pay APP. (QTY)	Pay APP. (Value)			Quantity		
MOBILIZATION REIMBURSEMENT PER WORK ORDER																	
1	Project Planning & Mobilization	L.S.	1	\$794.32											1.0	\$ 794.32	100%
WET WELL CLEANING																	
2	Vacuum truck cleaning and power washing of wet well interior	L.S.	1	\$529.55											1.0	\$ 529.55	100%
TRAFFIC CONTROL DEVICES																	
3	Barricade Type I or II, With Warning Light	E.D.	1	\$0.42												\$ -	100%
4	Barricade Type III, With Warning Light	E.D.	1	\$0.53												\$ -	100%
5	Signs, construction	E.D.	1	\$0.85												\$ -	100%
6	Message Board - 5' Minimum Horizontal Size	E.D.	1	\$19.07												\$ -	100%
7	Traffic bollard - Permanent	EA.	1	\$264.77											2.0	\$ 529.54	100%
DEMOLITION OF EXISTING BUILDINGS, EQUIPMENT AND STRUCTURES																	
8	Demolition of existing equipment and structure's containing lead base paint materials	C.F.	1	\$3.70												\$ -	100%
9	Demolition of asbestos containing materials	C.F.	1	\$4.24												\$ -	100%
10	Demolition of non-asbestos and non lead base paint containing materials	C.Y.	1	\$37.06											10.0	\$ 370.60	100%
CUTTING/DEMOLITION OF EXISTING PAVING, DRIVEWAY, SLABS, SIDEWALKS, FOOTING, CURBS, WET WELL TOP SLABS, WETWELL WALLS, AND BELOW GRADE VAULTS																	
11	Cutting/demolition of sidewalk, paving, driveway, slab, footing and curb removal	C.Y.	1	\$42.36											19.8	\$ 838.73	100%
12	Cutting/ demolition of wet well top slabs, wetwell walls, below grade vaults, and interior concrete	C.Y.	1	\$89.10											6.7	\$ 596.97	100%
EARTHWORK																	
13	Excavation of Unsuitable Material	C.Y.	1	\$3.18											10.0	\$ 31.80	100%
14	Borrow (Truck Measure)	C.Y.	1	\$6.35											5.0	\$ 31.75	100%
15	Crushed Stone w/ geotextile fabric weed barrier	C.Y.	1	\$52.95											12.5	\$ 661.88	100%
16	Staked Silt Fence	L.F.	1	\$2.12												\$ -	100%
SODDING, RESTORATION, INCLUDES MAINTAINING FOR 30 DAYS																	
17	Sodding - Bahia	S.Y.	1	\$2.38											88.0	\$ 209.44	100%
18	Sodding - St. Augustine	S.Y.	1	\$3.18												\$ -	100%
REMOVE/ RELOCATE/REINSTALL FENCING AND GATES																	
19	Remove and reinstall 6' high wood fencing	L.F.	1	\$10.59												\$ -	100%
20	Remove and reinstall 6' high wood gate and frame	EA.	1	\$68.84												\$ -	100%
21	Remove and reinstall 6' chain link fencing	L.F.	1	\$8.48												\$ -	100%
22	Remove and reinstall 6' high chain link gate	EA.	1	\$68.84												\$ -	100%
23	Furnish and install 4"x4"x 8' wood fence post	EA.	1	\$29.66												\$ -	100%
24	Furnish and install 6"x6"x 10' wood gate post	EA.	1	\$84.72												\$ -	100%
25	Core drilling (existing slab) for 4' - 6' fence & gate posts	EA.	1	\$37.06												\$ -	100%
NEW FENCING WITH POSTS AND GATES																	
26	Wooden Shadow box fence - 6' high with posts	L.F.	1	\$27.54												\$ -	100%
27	7' Wide wood gate with metal frame and post	EA.	1	\$529.55												\$ -	100%

28	Type B fence (chain-link) - 6' high with posts	L.F.	1	\$23.29																		\$ -	100%	
29	7' Wide gate assembly, for Type B fence (chain-link)	EA.	1	\$635.46																		\$ -	100%	
30	Sliding gate assembly for Type B fence (chain-link), (per L.F.), Length Vanes	L.F.	1	\$79.44																		\$ -	100%	
ASPHALTIC CONCRETE SURFACE AND FRICTION COURSES																								
31	1-1/2" Asphalt, type S-I or SP-12.5	S.Y.	1	\$12.71																		\$ -	100%	
32	Full depth asphalt, type S-I or SP-12.5	TN.	1	\$31.77																		\$ -	100%	
33	Lime rock/crushed concrete base, 12" thick	S.Y.	1	\$20.12																		\$ -	100%	
34	Roadway density test and proctor - initial	EA.	1	\$423.63																	1.0	\$ 423.63	100%	
35	Roadway density test - Additional (per additional density)	EA.	1	\$79.44																		\$ -	100%	
CONCRETE SIDEWALK, CURB ELEMENTS AND GEO BLOCK DRIVEWAY																								
36	Concrete sidewalk 4" thick	S.Y.	1	\$31.77																		\$ -	100%	
37	Geo block driveway	S.Y.	1	\$52.95																		\$ -	100%	
38	Type F curb & gutter	L.F.	1	\$24.37																		\$ -	100%	
39	2' Valley gutter (Miami)	L.F.	1	\$24.37																		\$ -	100%	
CONCRETE DRIVEWAYS AND SLABS ON GRADE																								
40	Concrete slab 6" thick with 1 layer 6X6 -W2.9XW2.9 WWF.	S.Y.	1	\$52.95																		44.0	\$ 2,329.80	100%
41	Concrete driveways and slabs 6" thick with 2 layers 6X6 -W2.9XW2.9 WWF.	S.Y.	1	\$54.01																		50.0	\$ 2,700.50	100%
42	Concrete footing 12" thick (reinf.)	S.Y.	1	\$121.80																		\$ -	100%	
WET WELL TOP SLAB AND WALLS																								
43	Wet well top slab 10" thick (reinf.)	S.F.	1	\$68.84																		\$ -	100%	
44	Wet well top slab 12" thick (reinf.)	S.F.	1	\$74.14																		113.0	\$ 8,377.82	100%
45	Wet well wall (reinf.)	C.F.	1	\$5.30																		\$ -	100%	
46	Miscellaneous wet well interior concrete	C.F.	1	\$5.30																		\$ -	100%	
PVC, C900 DR 18, RESTRAINED JOINT (R.J.), 0'-6" DEPTH																								
47	6" C900 DR 18 PVC (R.J.)	L.F.	1	\$16.94																		220.0	\$ 3,726.80	100%
48	8" C900 DR 18 PVC (R.J.)	L.F.	1	\$19.07																		160.0	\$ 3,051.20	100%
49	10" C900 DR 18 PVC (R.J.)	L.F.	1	\$25.42																		\$ -	100%	
50	12" C900 DR 18 PVC (R.J.)	L.F.	1	\$31.71																		\$ -	100%	
C153 M.J. BENDS, 90, 45, 22.5, AND 11.25 DEGREE, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING																								
51	6" MJ bend (R.J.), with Protecto-401 lining	EA.	1	\$423.63																		\$ -	100%	
52	8" MJ bend (R.J.), with Protecto-401 lining	EA.	1	\$556.02																		1.0	\$ 556.02	100%
C153 M.J. FITTINGS NOT LISTED, WITH RESTRAINED JOINTS AND PROTECTO-401 LINING																								
53	Miscellaneous MJ fittings (R.J.), with Protecto-401 lining	LB.	1	\$13.24																		250.0	\$ 3,310.00	100%
PLUG VALVE AND BOX, WITH RESTRAINED JOINTS																								
54	6" Plug valve and box (R.J.)	EA.	1	\$1,270.90																		\$ -	100%	
55	8" Plug valve and box (R.J.)	EA.	1	\$1,588.63																		\$ -	100%	
56	10" Plug valve and box (R.J.)	EA.	1	\$2,091.70																		\$ -	100%	
57	12" Plug valve and box (R.J.)	EA.	1	\$3,177.28																		\$ -	100%	
DUCTILE IRON FLANGED PIPE, CLASS 54 WITH PROTECTO-401 LINING																								
58	6" Diameter, 1'-2" length, with Protecto-401 lining	EA.	1	\$484.00																		3.0	\$ 1,452.00	100%
59	6" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.	1	\$614.27																		\$ -	100%	
60	6" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.	1	\$953.18																		\$ -	100%	
61	8" Diameter, 1'-2" length, with Protecto-401 lining	EA.	1	\$640.75																		2.0	\$ 1,281.50	100%
62	8" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA.	1	\$815.49																		\$ -	100%	
63	8" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA.	1	\$1,253.96																		\$ -	100%	
64	10" Diameter, 1'-2" length, with Protecto-401 lining	EA.	1	\$762.54																		\$ -	100%	

65	10" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA	1	\$990.24					\$	-	100%	
66	10" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA	1	\$1,567.45					\$	-	100%	
67	12" Diameter, 1'-2' length, with Protecto-401 lining	EA	1	\$889.63					\$	-	100%	
68	12" Diameter, 2' 1" to 4' length, with Protecto-401 lining	EA	1	\$1,246.55					\$	-	100%	
69	12" Diameter, 4' 1" to 8' length, with Protecto-401 lining	EA	1	\$1,885.17					\$	-	100%	
C153 FLANGED BENDS, 90, 45, AND 22.5 DEGREE WITH PROTECTO-401 LINING												
70	6" Flanged bend with Protecto-401 lining	EA	1	\$413.05					5.0	\$	2,065.25	100%
71	8" Flanged bend with Protecto-401 lining	EA	1	\$582.50					1.0	\$	582.50	100%
C153 FLANGED REDUCER WITH PROTECTO-401 LINING												
72	6"X4" Flanged reducer with Protecto-401 lining	EA	1	\$476.59					4.0	\$	1,906.36	100%
73	8"X6" Flanged reducer with Protecto-401 lining	EA	1	\$529.55					4.0	\$	2,118.20	100%
C153 FLANGED TEE WITH PROTECTO-401 LINING												
74	6"X6" Flanged tee with Protecto-401 lining	EA	1	\$503.07						\$	-	100%
75	8"X8" Flanged tee with Protecto-401 lining	EA	1	\$714.88					3.0	\$	2,144.64	100%
76	6" Blind Flange with Protecto-401 lining	EA	1	\$264.77					1.0	\$	264.77	100%
C153 FLANGED FITTINGS NOT LISTED WITH PROTECTO-401 LINING												
77	Miscellaneous flanged fittings with Protecto-401 lining	LB.	1	\$8.48					617.0	\$	5,232.16	100%
GATE VALVE, FLANGED												
78	6" Gate valve, flanged	EA	1	\$720.18					4.0	\$	2,880.72	100%
79	8" Gate valve, flanged	EA	1	\$1,006.13					1.0	\$	1,006.13	100%
80	10" Gate valve, flanged	EA	1	\$1,535.68						\$	-	100%
81	12" Gate valve, flanged	EA	1	\$1,853.40						\$	-	100%
316L STAINLESS STEEL SCH. 40 FLANGED DISCHARGE PIPE												
82	6" Diameter, 316L S.S. Sch. 40 flanged pipe	L.F.	1	\$116.50					95.0	\$	11,067.50	100%
83	8" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.	1	\$121.80						\$	-	100%
84	10" Diameter, 316 S.S. Sch. 10 flanged pipe	L.F.	1	\$137.69						\$	-	100%
CHECK VALVE (LEVER AND WEIGHT OR RESILIENT HINGE ARM)												
85	6" check valve	EA	1	\$1,641.59					4.0	\$	6,566.36	100%
86	8" check valve	EA	1	\$2,488.86						\$	-	100%
87	10" check valve	EA	1	\$3,764.00						\$	-	100%
88	12" check valve	EA	1	\$5,412.99						\$	-	100%
THREADED FLANGE AND NIPPLE WITH CAMLOCK AND PLUG OR DUST CAP												
89	6" Threaded flange & nipple with 6" female or male camlock and plug or dust cap	EA	1	\$582.50					2.0	\$	1,165.00	100%
90	6"x4" camlock adapter/reducer (male or female)	EA	1	\$264.77					2.0	\$	529.54	100%
WATER SERVICE ASSEMBLY												
91	1" Brass water service assembly with backflow preventer, water meter, and post	EA	1	\$953.18						\$	-	100%
92	1" Sch 80 PVC or PE pipe and fittings	L.F.	1	\$2.65						\$	-	100%
93	2" Brass water service assembly with backflow preventer, water meter, and post	EA	1	\$1,588.63					1.0	\$	1,588.63	100%
94	2" Sch 80 PVC or PE pipe and fittings	L.F.	1	\$3.18					50.0	\$	159.00	100%
PRESSURE GAUGE CONNECTION AND MANUAL ARV ASSEMBLY												
95	1/2" Tap with S.S. nipple and ball valve	EA	1	\$238.30					4.0	\$	953.20	100%
96	Manual ARV assembly with drain pipe	EA	1	\$317.72						\$	-	100%
ALUMINUM FRAME AND ACCESS HATCHES												
97	Aluminum frame and double access hatches (36" x 48")	EA	1	\$847.27						\$	-	100%

98	Aluminum frame and double access hatches (42"x 64")	EA	1	\$1,037.91									\$ -	100%
99	Aluminum Frame and Triple Access Hatches (For Triplex Station) (42" X 96"), (Installed in existing top slab)	EA	1	\$1,721.01									1.0 \$ 1,721.01	100%
EXTERIOR PIPE SUPPORT														
100	Exterior Pipe Support (All Sizes)	EA	1	\$254.18									9.0 \$ 2,287.62	100%
316L STAINLESS STEEL INTERIOR PIPE SUPPORT														
101	Interior pipe support	EA	1	\$900.22									4.0 \$ 3,600.88	100%
316 STAINLESS STEEL CONTROL AND POWER CABLE HOOK														
102	Pump power/transducer cable hook (1 - hook)	EA	1	\$79.44									4.0 \$ 317.76	100%
316 STAINLESS STEEL CONTROL/FLOAT CABLE HOOK ASSEMBLY														
103	Control/float cable hook assembly (6 - hook)	EA	1	\$189.45									1.0 \$ 189.45	100%
316 STAINLESS STEEL GUIDE RAILS AND BRACKETS														
104	2" 316 Stainless steel guide rail	L.F.	1	\$34.53									150.0 \$ 5,179.50	100%
105	Dual upper guide rail bracket for front load 2" diameter guide pipe	EA	1	\$211.82									3.0 \$ 635.46	100%
106	Intermediate dual guide rail bracket with extension (one per pump)	EA	1	\$503.07									3.0 \$ 1,509.21	100%
REMOVE AND REINSTALL EXISTING PUMP GUIDE RAILS AND BRACKETS														
107	Remove and reinstall existing guide rails and brackets	L.F.	1	\$15.89									\$ -	100%
REMOVE AND INSTALL PUMP STATION PUMPS AND APPURTENANCES														
108	Remove and install a pump station pump	EA	1	\$847.27									3.0 \$ 2,541.81	100%
REMOVE EXISTING AND INSTALL COUNTY FURNISHED DISCHARGE BASE ELBOW AND BASE PLATE														
109	Remove existing and install county furnished discharge elbow and base plate	EA	1	\$1,164.99									3.0 \$ 3,494.97	100%
CORE DRILL EXISTING WETWELL TOP SLAB OR WETWELL WALL														
110	Core drill existing top slab for 6" - 8" diameter flanged discharge pipe	EA	1	\$52.95									5.0 \$ 264.75	100%
111	Core drill existing top slab for 10" diameter flanged discharge pipe	EA	1	\$52.29									\$ -	100%
112	Core drill existing top slab for 1" - 2" diameter non-flanged pipe	EA	1	\$52.95									\$ -	100%
113	Core drill existing wetwell wall to 4" depth for 1" - 2" diameter non-flanged pipe	EA	1	\$52.95									\$ -	100%
114	Core drill existing wetwell wall to 4" depth for 6" - 8" diameter flanged pipe	EA	1	\$52.95									1.0 \$ 52.95	100%
LINK SEAL														
115	Link seal for 6" - 8" dia. flanged discharge pipe	EA	1	\$444.82									4.0 \$ 1,779.28	100%
116	Link seal for 10" dia. flanged discharge pipe	EA	1	\$582.50									\$ -	100%
CONTRACTOR REMOVAL OF EXISTING CONTROL PANELS (INCLUDING RTU'S), JUNCTION BOXES, MAIN DISCONNECT, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCERS, AREA LIGHT ASSEMBLIES, AUTO DIALER AND ENCLOSURE, ALARM ASSEMBLIES, FORCE MAIN PRESSURE TRANSDUCER ASSEMBLY AND OTHER														
117	Remove control panel (no integral RTU), all sizes	EA	1	\$1,270.90									1.0 \$ 1,270.90	100%
118	Remove control panel (with integral RTU) or RTU Only, all sizes	EA	1	\$1,270.90									\$ -	100%
119	Remove junction box	EA	1	\$529.55									1.0 \$ 529.55	100%
120	Remove main disconnect	EA	1	\$317.72									1.0 \$ 317.72	100%
121	Remove electric meter housing/socket	EA	1	\$211.82									1.0 \$ 211.82	100%
122	Remove level sensing system (up to six floats and one transducer)	EA	1	\$1,059.09									1.0 \$ 1,059.09	100%
123	Remove area light assembly	EA	1	\$52.95									1.0 \$ 52.95	100%
124	Remove auto dialer & enclosure	EA	1	\$52.95									\$ -	100%

125	Remove alarm assembly	EA	1	\$52.95												1.0	\$	52.95		100%
126	Remove concrete posts	EA	1	\$529.55												3.0	\$	1,588.65		100%
127	Remove SCADA antenna tower and base	EA	1	\$47.66													\$	-		100%
128	Remove force main pressure transducer assembly	EA	1	\$47.66													\$	-		100%
CONTRACTOR INSTALL COUNTY FURNISHED CONTROL PANELS (INCLUDING RTU'S), JUNCTION BOXES, MAIN DISCONNECT, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCERS, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER ASSEMBLY, AND OTHER																				
129	Install County furnished control panel with integral RTU or RTU only (All Sizes)	EA	1	\$529.55												2.0	\$	1,059.10		100%
130	Install County furnished control panel, no RTU (All Sizes)	EA	1	\$121.80													\$	-		100%
131	Install County furnished junction box (All sizes including JB1 and two sizes JB4)	EA	1	\$63.55													\$	-		100%
132	Install County furnished main disconnect (All Sizes)	EA	1	\$121.80													\$	-		100%
133	Install County furnished electric meter housing/socket (All Sizes)	EA	1	\$73.84													\$	-		100%
134	Install County furnished alarm assembly	EA	1	\$54.18													\$	-		100%
135	Install County furnished area light assembly	EA	1	\$111.14												1.0	\$	111.14		100%
136	Install County furnished auto dialer & enclosure	EA	1	\$118.10													\$	-		100%
137	Install County furnished control power transformer	EA	1	\$68.07													\$	-		100%
138	Install County furnished SCADA antenna tower (no base)	EA	1	\$62.48													\$	-		100%
139	Install County furnished level transducer	EA	1	\$54.89												1.0	\$	54.89		100%
140	Install County furnished float system (3-6 floats)	EA	1	\$109.78												1.0	\$	109.78		100%
141	Install County furnished force main pressure transducer assembly	EA	1	\$54.85													\$	-		100%
CONTRACTOR FURNISH & INSTALL JUNCTION BOXES, MAIN DISCONNECTS, ELECTRIC METER, SCADA ANTENNA TOWER AND BASE, FLOATS AND LEVEL TRANSDUCER, AREA LIGHT ASSEMBLY, AUTODIALER AND ENCLOSURE, ALARM ASSEMBLY, FORCE MAIN PRESSURE TRANSDUCER, SURGE ARRESTOR, AND OTHER																				
142	Junction box (JB1) complete. (24"x30"x10")	EA	1	\$1,648.07												1.0	\$	1,648.07		100%
143	Generator termination box (JB4) small (16.28"x14.28"x6.2") - complete	EA	1	\$667.44													\$	-		100%
144	Generator termination box (JB4) large (30"x24"x10") - complete	EA	1	\$1,415.37													\$	-		100%
145	Main disconnect assembly complete (MD1), with 150 amp circuit breaker	EA	1	\$3,298.72													\$	-		100%
146	Main disconnect assembly complete (MD1), with 250 amp circuit breaker	EA	1	\$4,220.46												1.0	\$	4,220.46		100%
147	Main disconnect assembly complete (MD1), with 300 amp circuit breaker	EA	1	\$4,236.35													\$	-		100%
148	Main disconnect assembly complete (MD1), with 350 amp circuit breaker	EA	1	\$4,342.26													\$	-		100%
149	Alarm assembly	EA	1	\$504.12												1.0	\$	504.12		100%
150	Area light assembly	EA	1	\$209.70													\$	-		100%
151	Auto dialer & enclosure	EA	1	\$1,159.70													\$	-		100%
152	Control power transformer	EA	1	\$1,715.72												1.0	\$	1,715.72		100%
153	200A Electric Meter Housing/Socket	EA	1	\$534.83													\$	-		100%
154	400A Electric Meter Housing/Socket	EA	1	\$619.57													\$	-		100%
155	Lightning Arrestor for Electric Meter OR MD1 (All Sizes)	EA	1	\$291.25												3.0	\$	873.75		100%
156	SCADA antenna tower base	EA	1	\$275.36													\$	-		100%
157	SCADA round tapered Aluminum pole with antenna (antenna tower)	EA	1	\$1,118.49													\$	-		100%
158	Level transducer	EA	1	\$1,959.90													\$	-		100%
159	Force main pressure transducer assembly complete	EA	1	\$2,816.40													\$	-		100%
160	Force main pressure transducer assembly without pressure gauge and diaphragm seal. Use PVC plug.	EA	1	\$2,642.33													\$	-		100%
FURNISH & INSTALL CONCRETE POSTS, FLAT STOCK, AND UNISTRUT																				
161	4" X 1/2" 6061 Aluminum flat stock and appurtenances	L.F.	1	\$11.65												38.5	\$	448.53		100%
162	1 5/8" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	L.F.	1	\$8.00												18.6	\$	148.80		100%

163	13/16" X 1 5/8" X 12 Gage Aluminum unistrut and appurtenances	L.F.	1	\$6.94						18.6	\$ 129.08		100%
164	13/16" X 13/16" X 12 Gage Aluminum unistrut and appurtenances	L.F.	1	\$6.94						0.0	\$ -		100%
165	6' x 6' x 8' Concrete post	EA	1	\$59.30						3.0	\$ 177.90		100%
FURNISH AND INSTALL SCHEDULE 80 PVC ELECTRICAL CONDUIT WITH FITTINGS													
166	1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$3.30						5.0	\$ 16.50		100%
167	3/4" - 1" Schedule 80 PVC conduit and fittings	L.F.	1	\$3.68						88.5	\$ 325.68		100%
168	1 1/4" - 1 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$5.99						0.0	\$ -		100%
169	2" - 2 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$7.37						69.0	\$ 508.53		100%
170	3" - 3 1/2" Schedule 80 PVC conduit and fittings	L.F.	1	\$10.43						0.0	\$ -		100%
FURNISH AND INSTALL RIGID ALUMINUM ELECTRICAL CONDUIT WITH FITTINGS													
	1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$9.80						\$ -			100%
172	3/4" - 1" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$10.19						40.0	\$ 407.60		100%
173	1 1/4" - 1 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$18.76						12.0	\$ 225.12		100%
174	2" - 2 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$33.63						129.0	\$ 4,338.27		100%
175	3" - 3 1/2" Rigid aluminum conduit, fittings and grounding bushings	L.F.	1	\$34.96						\$ -			100%
176	1/2" - 3/4" Liquid tight flex conduit, fittings and grounding bushings	L.F.	1	\$19.90						3.0	\$ 59.70		100%
177	1" - 1 1/2" Liquid tight flex conduit, fittings and grounding bushings	L.F.	1	\$17.84						\$ -			100%
178	2" Conduit gas seals	EA	1	\$196.55						5.0	\$ 982.75		100%
FURNISH AND INSTALL WIRING & GROUNDING													
179	#12 - #16 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$0.41						1,115.0	\$ 457.15		100%
180	#6 - #10 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$1.02						426.0	\$ 434.52		100%
181	#3, #4 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$1.88						0.0	\$ -		100%
182	#1, #2 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$2.09						112.0	\$ 234.08		100%
183	#1/0, #2/0 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$4.10						0.0	\$ -		100%
184	#3/0, #4/0 THHN Cu 600 Volt stranded copper wire	L.F.	1	\$6.33						186.0	\$ 1,177.38		100%
185	#250 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$7.53						150.0	\$ 1,129.50		100%
186	#350 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$10.49						\$ -			100%
187	#500 kcmil THHN Cu 600 Volt stranded copper wire	L.F.	1	\$14.83						\$ -			100%
188	Outdoor antenna cable and fittings each end	L.F.	1	\$3.07						\$ -			100%
189	#16 twisted shielded pair (analog cable)	L.F.	1	\$1.43						30.0	\$ 42.90		100%
190	Telephone cable (outdoor)	L.F.	1	\$1.33						\$ -			100%
191	Ground rod (3/4" X 10' Cu - Clad)	EA	1	\$90.95						8.0	\$ 727.60		100%
192	#4 bare tinned copper ground cable	L.F.	1	\$2.10						107.0	\$ 224.70		100%
193	#1/0 bare tinned copper ground cable	L.F.	1	\$3.39						112.0	\$ 379.68		100%
194	Exothermic welding	EA	1	\$108.95						10.0	\$ 1,089.50		100%
WET WELL COATING, REHAB, LEAK SEALING, AND LINER REMOVAL													
195	Chemical injection grout	GAL	1	\$31.77						90.0	\$ 2,859.30		100%
196	Hydraulic cement patching	C.F.	1	\$5.30						\$ -			100%
197	Sandblasting removal/disposal of solids	S.F.	1	\$3.18						800.7	\$ 2,546.23		100%
198	Substrate resurfacing/rebuilding	C.F.	1	\$4.24						600.0	\$ 2,544.00		100%
199	Wet well interior surface coating	S.F.	1	\$15.89						800.7	\$ 12,723.12		100%
200	Remove T-lock PVC, Agru HDPE, or A-Lok Duraplate 100 PVC liner	S.F.	1	\$4.24						800.7	\$ 3,394.97		100%
BY-PASS PUMPING & DISCHARGE PIPING - EQUIPMENT SET-UP & OPERATION (LOW DECIBEL, "QUIET SERIES")													
201	Suction lift pump with backup pump (including up to 200' suction/discharge hose)	WK	1	\$1,164.99						28.0	\$ 32,619.72		100%
202	Additional suction/discharge hose (in excess of the 200' included in bid item above)	L.F.	1	\$2.12						\$ -			100%
PAINTING OF ABOVE GROUND PIPING AND APPURTENANCES													
203	Paint pipe, fitting and valves	L.F.	1	\$5.30						80.0	\$ 424.00		100%
LINE STOPS													

204	6" line stop	EA	1	\$2,647.72										\$ -	100%
205	8" line stop	EA	1	\$3,442.04										\$ -	100%
206	10" line stop	EA	1	\$3,706.81										\$ -	100%
207	12" line stop	EA	1	\$4,236.35										\$ -	100%
SUBTOTAL													\$ 181,745.92	100%	
NPI															
N1	Future Odor Control Pipe	EA	1	\$257.09									1.0	\$ 257.09	100%
N2	Install County Provided Level Transmitter	EA	1	\$224.28									1.0	\$ 224.28	100%
N3	Install 90 LF of 4" x 6" Curb around perimeter of Station and Paint Safety Yellow	EA	1	\$4,435.15									1.0	\$ 4,435.15	100%
N4	Install County Provided ARV with SS Orain Line	EA	1	\$1,443.96									1.0	\$ 1,443.96	100%
N5	Provide and Install 1-6"x6"x10" Post	EA	1	\$330.69									1.0	\$ 330.69	100%
N6	Install 180' of 6" c900 and 160' of 8" c900 and misc fittings for bypass discharge	EA	1	\$7,404.69									1.0	\$ 7,404.69	100%
N7	Program Soft starts. Install and Program Level Controller, Covanta Flow meter	EA	1	\$3,477.04									1.0	\$ 3,477.04	100%
N8	Henriquez Misc Electrical-Traffic rated hand hole, hole punch cabinets, misc hardware	EA	1	\$7,416.13									1.0	\$ 7,416.13	100%
SUBTOTAL													\$ 24,989.03	100%	
Page Totals															
				\$ 142,829.80										\$ 206,734.95	100%
Cumulative Totals				\$ 142,829.80										\$ 206,734.95	100%



2011-24

Hillsborough County Board of County Commissioners 601 E Kennedy Blvd Tampa, FL 33601 United States

Table with 2 columns: Field (Type, Order, Revision, Order Date, Created By, Revision Date, Current Buyer) and Value (Complex SPO, 217200928, 1, 12-OCT-2016, Hurley, Eleanor, 14-MAR-2017, Hurley, Eleanor)

Supplier: US WATER SERVICES CORPORATION 4939 CROSS BAYOU BLVD NEWPORT RICHEY, FL 34652 United States

Ship To: 925 E Twiggs St Tampa, FL 33602 United States

Bill To: PO BOX 1110 Tampa, FL 33601-1110 United States

Table with 7 columns: Customer Account No., Supplier No., Payment Terms, Freight Terms, FOB, Transportation, Ship Via. Includes details like NET 30 DAYS, Freight Included, FOB - Destination, Best Way, and Requester: Himelright, Darlene.

Notes: ***Summary of Changes***

Work Order Revision No. 1 to CSPO 217200928 decreasing the CSPO by \$3,824.59 from \$210,559.54 to \$206,734.95

Decrease line 1 from \$189,971.57 to \$181,745.92 and increase line 2 from \$20,627.97 to \$24,989.03 All prices and amounts on this order are expressed in USD

Main line item table with 8 columns: Line / Pay Item, Part Number / Description, Delivery Date/Time, Quantity, UOM, Unit Price (USD), Tax, Amount (USD). Includes detailed description for line 1: A. WORCS-4 WORK, ORDER #19 DOGWOOD PS REHABPROJECT, MANAGER: FLINT SETH, and various project notes.

Line / Pay Item	Part Number / Description	Delivery Date/Time	Quantity	UOM	Unit Price (USD)	Tax	Amount (USD)
<p>Payments in accordance with the Contract Documents, Pages BP-1 through BP-6.</p> <p>This Contract Purchase Agreement is issued based upon a dollar amount and any work or deliveries must not exceed that amount. Invoices must be submitted only for actual work performed and orders delivered and must be consistent with the agreed upon prices, terms, and specifications.</p>							
1-1	A. WORCS-4 WORK ORDER #19 DOGWOOD PS REHABPROJECT MANAGER: FLINT SETH Ship To: Use the ship-to address at the top of page 1 Deliver To: Himelright, Darlene (181,745.92) himmelrightd@hillsboroughcounty.org	Promised: 13-OCT-2016 17:00:00 Needed: 13-OCT-2016 17:00:00			181,745.92	N	181,745.92
2	B. WORCS-4 WORK ORDER #19 DOGWOOD PS REHABPROJECT MANAGER: FLINT SETH	Promised: 13-OCT-2016 17:00:00 Needed: 13-OCT-2016 17:00:00				N	24,989.03
<p>COUNTY PROJECT MANAGER: FLINT SETH PHONE: 813-964-2708 In accordance with ITB-C-0082-0-2013/MK, Rehabilitation, 6" - 10" Discharge Pipe Diameter, Work Order Construction Services (WORCS-4)</p> <p>Awarded by the BOCC on May 1, 2013, BOCC Doc No. 13-0372</p> <p>Administratively Renewed on June 15, 2016</p> <p>Department: Public Utilities Department: Brian Lewis at 813-612-7759</p> <p>Payments in accordance with the Contract Documents, Pages BP-1 through BP-6.</p> <p>This Contract Purchase Agreement is issued based upon a dollar amount and any work or deliveries must not exceed that amount. Invoices must be submitted only for actual work performed and orders delivered and must be consistent with the agreed upon prices, terms, and specifications.</p>							
2-1	B. WORCS-4 WORK ORDER #19 DOGWOOD PS REHABPROJECT MANAGER: FLINT SETH Ship To: Use the ship-to address at the top of page 1 Deliver To: Himelright, Darlene (24,989.03) himmelrightd@hillsboroughcounty.org	Promised: 13-OCT-2016 17:00:00 Needed: 13-OCT-2016 17:00:00			24,989.03	N	24,989.03
						Total: 206,734.95 (USD)	

HILLSBOROUGH COUNTY BOARD OF COUNTY COMMISSIONERS
Standard Purchase Order Terms and Conditions



4939 Cross Bayou Blvd.
New Port Richey, FL 34652

Invoice

Invoice #	848646
Date	5/31/2017
Due Date	7/15/2017
Account #	2418
P.O. or W.A. #	17000456

Bill To
Pasco County Utilities Attn: Taisha Sobers 19420 Central Boulevard Land O' Lakes, FL 34637

All service pricing anticipates payment by check or ACH. Due to additional cost incurred, services paid by credit card will require an additional "pass through" 3% processing fee in order to be accepted.

Project					
PS#1-330 Carson					
Date	Description	Qty ...	Unit	Rate	Amount
	Pump Station Pasco County #1-330 Carson (WO#517049)				
	(2/1/17 - 5/16/17) (8am-5pm)				
	Line No 1d- Furnish and Install Discharge Piping - 8" Schedule 40 316 Stainless Steel	55		265.00	14,575.00
	Line No 2c - Furnish and Install Stainless Steel Brackets and Hardware for Discharge Piping - 8" (welding to extend the rails)	3		318.00	954.00
	Line No 3c - Furnish and Install Myers Submersible Pumps Base Elbow Package and Guide Railing System - 8"	3		4,500.00	13,500.00
	Line 5c - Furnish and Install Aboveground Triplex Manifold Assemblies - 8"	1		37,500.00	37,500.00
	Line No 10a - Pump Station Abandonment and Equipment Removal - Pumps, Valves, Piping and Related Equipment Removal	1		10,000.00	10,000.00
	Line No 10c - Discharge Piping Sealing	1		50.00	50.00
	Line No 11e - Core Drilling - 8" Diameter Hole	3		150.00	450.00
	Line No 12a - By-Pass Pumping System - Set up/Operation 4" Diameter - Diesel - Sound Attenuated Per WK. (5/1/17-5/14/17)	2		1,100.00	2,200.00
	Line No 12a - By-Pass Pumping System - Set up/Operation 4" Diameter - Diesel - Sound Attenuated Per DAY. (5/15/17)	1		100.00	100.00
	Line No 14b - Furnish and Install Wet-Well Pre-Crast Top Slab and Access Frame and Door - Frame Opening 42" x 42" (Overall Size 48" x 48")	1		1,316.75	1,316.75
	Line No 14c - Each Additional Square Feet of Cover furnished and installed.	19.25		10.00	192.50
	Line No 14h - Slab Sizes: 10' x 10'	1		707.81	707.81
	Line No 14i - Each Additional Square Feet of Cover furnished and installed.	44		143.00	6,292.00
	Line No 15a - Unspecified Work Labor - Hourly Rates - Supervisor	6		78.14	468.84
	Line No 15b - Unspecified Work Labor - Hourly Rates - Skilled Labor	6		57.91	347.46
Please remit payment to the above address. We appreciate your business!			Total		
Questions about your bill? Phone: 727-848-8292 EXT 219 Toll free: 866-753-8292 EXT 219 Email: asantiago@uswatercorp.net			Payments/Credits		
			Balance Due		



4939 Cross Bayou Blvd.
New Port Richey, FL 34652

Invoice

Invoice #	848646
Date	5/31/2017
Due Date	7/15/2017
Account #	2418
P.O. or W.A. #	17000456

Bill To
Pasco County Utilities Attn: Taisha Sobers 19420 Central Boulevard Land O' Lakes, FL 34637

All service pricing anticipates payment by check or ACH. Due to additional cost incurred, services paid by credit card will require an additional "pass through" 3% processing fee in order to be accepted.

Project					
PS#1-330 Carson					
Date	Description	Qty ...	Unit	Rate	Amount
	Line No 17 - Unspecified Equipment - Excavator and Pumper (5/10/17 and 5/11/17) Company Owned	2		300.00	600.00
Please remit payment to the above address. We appreciate your business!				Total	\$89,254.36
Questions about your bill? Phone: 727-848-8292 EXT 219 Toll free: 866-753-8292 EXT 219 Email: asantiago@uswatercorp.net				Payments/Credits	\$0.00
				Balance Due	\$89,254.36

US WATER QUOTE PER BID IFB-EC-14-202

PCU EAM WO # 517049
 Pump Station # 1-330 Carson
 PCU Contact: Stewart Shook
 US Water Contact: Chad Ashley

\$89,254 36

No.	ITEM	QTY	UNIT	UNIT PRICE	AMOUNT
1	Furnish and Install Discharge Piping				
1a	3" Schedule 40 316 Stainless Steel		LF	\$60.00	\$0.00
1b	4" Schedule 40 316 Stainless Steel		LF	\$110.00	\$0.00
1c	6" Schedule 40 316 Stainless Steel		LF	\$203.00	\$0.00
1d	8" Schedule 40 316 Stainless Steel	55	LF	\$265.00	\$14,575.00
1e	10" Schedule 40 316 Stainless Steel		LF	\$240.00	\$0.00
1f	12" Schedule 40 316 Stainless Steel		LF	\$300.00	\$0.00
1g	4" PVC Schedule 80		LF	\$9.50	\$0.00
1h	6" PVC Schedule 80		LF	\$18.00	\$0.00
2	Furnish and Install Stainless Steel Brackets and Hardware for Discharge Piping				
2a	4"		EA	\$290.37	\$0.00
2b	6"		EA	\$345.24	\$0.00
2c	8"	3	EA	\$318.00	\$954.00
2d	10"		EA	\$392.40	\$0.00
3	Furnish and Install Myers Submersible Pumps Base Elbow Package and Guide Railing System				
3a	3"		EA	\$3,300.00	\$0.00
3b	4"		EA	\$4,700.00	\$0.00
3c	6"	3	EA	\$4,500.00	\$13,500.00
3d	8"		EA	\$6,000.00	\$0.00
3e	10"		EA	\$6,000.00	\$0.00
4	Furnish and Install Aboveground Duplex Manifold Assemblies				
4a	3"		EA	\$12,500.00	\$0.00
4b	4"		EA	\$18,250.00	\$0.00
4c	6"		EA	\$22,000.00	\$0.00
4d	8"		EA	\$28,500.00	\$0.00
4e	10"		EA	\$37,300.00	\$0.00
4f	12"		EA	\$48,600.00	\$0.00
5	Furnish and Install Aboveground Triplex Manifold Assemblies				
5a	4"		EA	\$23,500.00	\$0.00
5b	6"		EA	\$28,500.00	\$0.00
5c	8"	1	EA	\$37,500.00	\$37,500.00
5d	10"		EA	\$55,000.00	\$0.00
5e	12"		EA	\$68,000.00	\$0.00

6	Furnish and Install Inside Drop Bowl System- Round or Flat w/ Associated Brackets/Hardware				
6a	4" Invert		EA	\$344.00	\$0.00
6b	6" Invert		EA	\$360.00	\$0.00
6c	8" Invert		EA	\$440.00	\$0.00
6d	10" Invert		EA	\$455.00	\$0.00
6e	12" Invert		EA	\$810.00	\$0.00
6f	15" Invert		EA	\$860.00	\$0.00
6g	16" Invert		EA	\$870.00	\$0.00
6h	18" Invert		EA	\$920.00	\$0.00
6i	24" Invert		EA	\$2,300.00	\$0.00
7	Furnish and Install Inside PVC Drop Line Connection with stainless steel bracking/bracing				
7a	4"		VF	\$30.00	\$0.00
7b	6"		VF	\$35.00	\$0.00
7c	8"		VF	\$43.00	\$0.00
7d	10"		VF	\$59.00	\$0.00
7e	12"		VF	\$80.00	\$0.00
8	Wet Well Fillet Concrete- 3500 psi (Minimum 2 yards)		CY	\$25.00	\$0.00
9	Removal of Existing Coating and/or Liner		SF	\$6.00	\$0.00
10	Pump Station Abandonment and equipment removal				
10a	Pumps, Valves, Piping and Related Equipment Removal	1	EA	\$10,000.00	\$10,000.00
10b	Filling of Dry Well with #57 Stones		CY	\$77.70	\$0.00
10c	Discharge Piping Sealing	1	CY	\$50.00	\$50.00
11	Core Drilling				
11a	2" Diameter Hole		EA	\$50.00	\$0.00
11b	4" Diameter Hole		EA	\$100.00	\$0.00
11c	6" Diameter Hole		EA	\$150.00	\$0.00
11e	8" Diameter Hole	3	EA	\$150.00	\$450.00
11f	12" Diameter Hole		EA	\$150.00	\$0.00

12	By-Pass Pumping System – Set up/Operation				
12a	4" Diameter – Diesel- Sound Attenuated		WEEK		
	Per Week		DAY	\$1,100.00	\$0.00
	Additional Day			\$100.00	\$0.00
12b	6" Diameter - Diesel- Sound Attenuated	2	WEEK		
5/1/2017	Per Week		DAY	\$1,100.00	\$2,200.00 ✓
5/15/2017	Additional Day	1		\$100.00	\$100.00 ✓
12c	8" Diameter - Diesel- Sound Attenuated		WEEK		
	Per Week		DAY	\$1,100.00	\$0.00
	Additional Day			\$100.00	\$0.00
12d	10" Diameter - Diesel- Sound Attenuated		WEEK		
	Per Week		DAY	\$1,100.00	\$0.00
	Additional Day			\$100.00	\$0.00
12e	12" Diameter - Diesel- Sound Attenuated		WEEK		
	Per Week		DAY	\$1,100.00	\$0.00
	Additional Day			\$100.00	\$0.00
13	Furnish and Install Steel Bollards- Concrete Filled				
13a	4" diameter		EA	\$125.00	\$0.00
13b	6" diameter		EA	\$150.00	\$0.00
14	Furnish and Install Wet-Well Pre-Cast Top Slab and Access Frame and Door				
	<u>Frame Sizes:</u>				
14a	Frame Opening 36" x 48" (Overall Size 42" x 54")		EA	1,265.00	\$0.00
14b	Frame Opening 42" x 42" (Overall Size 48" x 48")	1	EA	1,316.75	\$1,316.75
14c	Each Additional Square Feet of Frame Furnished & Installed	19.25	EA	10.00	\$192.50
	<u>Slab Sizes:</u>				
14d	a. 6' x 6'		EA	707.81	\$0.00
14e	b. 7' x 7'		EA	707.81	\$0.00
14f	c. 8' x 8'		EA	707.81	\$0.00
14g	d. 9' x 9'		EA	707.81	\$0.00
14h	e. 10' x 10'	1	EA	707.81	\$707.81
14i	f. Each Additional Square Feet of Cover furnished & installed	44	EA	\$143.00	\$6,292.00
15	Unspecified Work Labor -Hourly Rates				
15a	Supervisor	6	HR	\$78.14	\$468.84
15b	Skilled Labor	6	HR	\$57.91	\$347.46
	demo drywell wall section 4' x 8' for tie in				
16	Unspecified Materials- Annual Estimate	0	LS	\$0.00	\$0.00
17	Unspecified Equipment- Annual Estimate	1	LS	\$600.00	\$600.00
	Excavator and pumper				
18	Indemnification (As per Agreement)		LS	\$100.00	\$0.00
			TOTAL		\$89,254.36

EA= Each LF=Lineal Foot
 LS= Lump Sump VF= Vertical Footage
 CY= Cubic Yard HR= Hourly Rate

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

PUBLIC WATER SYSTEM INFORMATION (to be completed by sampler — please type or print legibly)

System Name: Shangri La PWS I.D. #: 3354028
 System Type (check one): Community Nontransient Noncommunity Transient Noncommunity
 Address: 100 Shangri La Blvd
 City: Lecsbury FL ZIP Code: 34788
 Phone #: 727-848-8252 Fax #: 727-848-7701 E-Mail Address: W. Rottner (BES Water Corp. Inc)

SAMPLE INFORMATION (to be completed by sampler)

Sample Number: A1702681001 Sample Date: 4-10-17 Sample Time: 1245 AM PM (Circle One)
 Sample Location (be specific): WWT P TAP Location Code: _____
 Disinfectant Residual (Required when reporting results for trihalomethanes and haloacetic acids): 0.22 mg/L Field pH: 8.19

Sample Type (Check Only One)

- Distribution
- Entry Point (to Distribution)
- Plant Tap (not for compliance with 62-550)
- Raw (at well or intake)
- Max Residence Time
- Ave Residence Time
- Near First Customer

Reason(s) for Sample (Check all that apply)

- Routine Compliance with 62-550
- Confirmation of MCL Exceedance*
- Composite of Multiple Sites**
- Other: _____
- Replacement (of invalidated Sample)
- Special (not for compliance with 62-550)
- Clearance (permitting)

Sampling Procedure Used or Other Comments:

JR DBP

*See 62-550.500(5) for requirements and restrictions. And 62-550.512(3) for nitrate or nitrite exceedance.

**See 62-550.550(4) for requirements and attach a results page for each site.

SAMPLER CERTIFICATION

I, Joseph Byk (Print Name), plant operator (Print Title), do HEREBY CERTIFY

that the above public water system and sample collection information is complete and correct.

Signature: [Signature] Date: 4-10-17
 Certified Operator #: 9-5934 Phone #: 727-848-8292 Sampler's Fax #: 727-848-7701

Sampler's E-mail: _____

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

LABORATORY CERTIFICATION INFORMATION (to be completed by lab - Please type or print legibly)

Lab Name: Advanced Environmental Laboratories, Inc Florida DOH Certification #: E53076 Certification Expiration Date: 06/30/2027

ATTACH CURRENT DOH ANALYTE

Address: 380 North Lake Blvd., Suite 1048 Altamonte Payments: P.O. Box Phone #: (407)937-1594

Were any analyses subcontracted? Yes No If yes, please provide DOH certification numbers: E82535, E84589

ATTACH DOH ANALYTE SHEET FOR EACH SUBCONTRACTED

ANALYSIS INFORMATION (to be completed by lab) Date Sample(s) Received: 04/10/2017

PWS ID (From Page 1): 3354028 Sample Number (From Page 1): A1702681001 Lab Assigned Report # or Job A1702681

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C. (Check all that apply):

- | | | | | | |
|--|--|----------------------------------|--|--|----------------------------------|
| <u>Inorganics</u> | <u>Synthetic Organics</u> | <u>Volatile Organics</u> | <u>Disinfection Byproducts</u> | <u>Radionuclides</u> | <u>Secondaries</u> |
| <input type="checkbox"/> All Except Asbestos | <input type="checkbox"/> All 30 | <input type="checkbox"/> All 21 | <input checked="" type="checkbox"/> Trihalomethanes | <input type="checkbox"/> Single Sample | <input type="checkbox"/> All 14 |
| <input type="checkbox"/> Partial | <input type="checkbox"/> All Except Dioxin | <input type="checkbox"/> Partial | <input checked="" type="checkbox"/> Haloacetic Acids | <input type="checkbox"/> Qtrly Composite** | <input type="checkbox"/> Partial |
| <input type="checkbox"/> Nitrate | <input type="checkbox"/> Partial | | <input type="checkbox"/> Chlorite | | |
| <input type="checkbox"/> Nitrite | <input type="checkbox"/> Dioxin Only | | <input type="checkbox"/> Bromate | | |
| <input type="checkbox"/> Asbestos Only | | | | | |

LAB CERTIFICATION

I, Brandon O'Hara, Client Services Manager, do HEREBY CERTIFY
(Print Name) (Print Title)

that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference

Signature: Brandon O'Hara Date: 4/26/17

* Failure to provide a valid and current Florida DOH lab certification number and a current Analyte Sheet for the attached analysis results will result in rejection of the report, possible enforcement against the public water system for failure to sample, and may result in notification of the DOH Bureau of Laboratory Services.

** Please provide radiological sample dates & locations for each quarter.

CONFIRMATION & NOTIFICATION IS REQUIRED WITHIN 24 HRS FOR NITRATE OR NITRITE MCL EXCEEDANCES

NON-DETECTS ARE TO BE REPORTED AS THE MDL WITH A "U" QUALIFIER. (Non-detects reported as "BDL" or with a "<" are not acceptable.)

COMPLIANCE DETERMINATION (to be completed by DEP or DOH - attach notes as necessary)

Sample Collection & Analysis Satisfactory: Yes No Replacement Sample or Report Requested: Yes No (circle or highlight group(s) above)

Person Notified: _____ Date Notified: _____ DEP/DOH Reviewing Official: _____

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

DISINFECTION BYPRODUCTS
62-550.310(3)

Report Number / Job ID: A1702681001
Disinfectant Residual (mg/L) 0.77
PWS ID (From Page 1): 3354028

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
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Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
2450	Monochloroacetic Acid	N/A	ug/L	3.54		EPA 552.2	0.50	2	04/15/2017	05:53	E84589
2451	Dichloroacetic Acid	N/A	ug/L	24.58		EPA 552.2	0.81	1	04/15/2017	05:53	E84589
2452	Trichloroacetic Acid	N/A	ug/L	18.13		EPA 552.2	0.91	1	04/15/2017	05:53	E84589
2453	Bromoacetic Acid	N/A	ug/L	1.18		EPA 552.2	0.54	1	04/15/2017	05:53	E84589
2454	Dibromoacetic Acid	N/A	ug/L	0.54	U	EPA 552.2	0.54	1	04/15/2017	05:53	E84589
2456	Total Haloacetic Acids (HAA5)	60	ug/L	47.42		EPA 552.2	0.50	---	04/15/2017	05:53	E84589

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
2941	Chloroform	N/A	ug/L	62.58		EPA 524.2	0.39	1	04/21/2017	18:26	E82535
2942	Bromoform	N/A	ug/L	0.26	U	EPA 524.2	0.26	1	04/21/2017	18:26	E82535
2943	Bromodichloromethane	N/A	ug/L	13.87		EPA 524.2	0.14	1	04/21/2017	18:26	E82535
2944	Dibromodichloromethane	N/A	ug/L	2.66		EPA 524.2	0.32	1	04/21/2017	18:26	E82535
2950	Total Trihalomethanes	80	ug/L	79.11		EPA 524.2	0.14	---	04/21/2017	18:26	E82535

- ** Laboratories are required to adhere to the minimum reporting level (MRL) requirements of 40 CFR 141.131(b)(2)(iv).
- *** Applicable to monitoring as prescribed in 40 CFR 141.132.(b)(2)(i)(B) and (b)(2)(ii).
- **** Laboratories that use EPA Methods 317.0 Revision 2.0, 326.0 or 321.8 must meet a 1.0 µg/L MRL for bromate.

NOTE: Do not round values. Report results to the accuracy, precision, and sensitivity of the analytical method used.

*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ? are unacceptable for compliance with 62-550. Results qualified with a J, Q, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.

REVIEWED



STAGE 2 TOTAL TRIHALOMETHANES (TTHM) AND HALOACETIC ACIDS FIVE (HAA5) EXAMPLE REPORTING FORMAT

Subpart H systems serving 500 or more persons and ground water systems serving 10,000 or more persons shall complete applicable pages of this format and submit them to the Department within 10 days after the end of any quarter in which TTHM/HAA5 monitoring is required. Systems on routine or reduced quarterly TTHM/HAA5 monitoring shall complete pages 1, 2, and 3 of this format. (Add additional rows to the tables on pages 2 and 3 as necessary.) Systems on reduced annual TTHM/HAA5 monitoring shall complete pages 1 and 4 of this format. Additionally, Subpart H systems seeking to qualify for, or remain on, reduced quarterly or annual TTHM/HAA5 monitoring shall complete page 5 of this format. (Add additional rows to the table on page 5 as necessary.)

D/DBPR = Disinfectant and Disinfection Byproducts Rule; LRAA = locational running annual average; MCL = maximum contaminant level; OE = operational evaluation; RAA = running annual average; TOC = total organic carbon.

ANNUAL MONITORING PERIOD: 2Q2017

SYSTEM INFORMATION

PWS ID Number: 335-4028

PWS Name: Shangri La (Lakeside Waterworks Inc)

Source Water Type and Population Size Category:

<input type="checkbox"/> Ground Water:	<input checked="" type="checkbox"/> Subpart H:	
<input type="checkbox"/> 10,000 – 99,999	<input checked="" type="checkbox"/> 500 – 3,300	<input type="checkbox"/> 250,000 – 999,999
<input type="checkbox"/> 100,000 – 499,999	<input type="checkbox"/> 3,301 – 9,999	<input type="checkbox"/> 1,000,000 – 4,999,999
<input type="checkbox"/> ≥ 500,000	<input type="checkbox"/> 10,000 – 49,999	<input type="checkbox"/> ≥ 5,000,000
	<input type="checkbox"/> 50,000 – 249,999	

Monitoring Mode*: Routine Monitoring Reduced Monitoring

Monitoring Frequency*: Quarterly Annually

Total Number Of Distribution System Monitoring Locations*: 1

Contact Person: Melisa Rotteveel

Phone Number: 866-753-8292

E-Mail Address (optional): mrotteveel@uswatercorp.net

Fax Number (optional): 727-849-4219

* See 40 CFR 141.621 and 141.623 for more details.

QUARTERLY MONITORING PERIOD: 2Q2017

PWS ID Number: 3354028

HAA5 COMPLIANCE SUMMARY FOR SYSTEMS MONITORING QUARTERLY									
Monitoring Location*	This Quarter				Previous Quarter	2 Quarters Ago	3 Quarters Ago	HAA5 LRAA (mg/L)	HAA5 OE Value (mg/L)
	No. of HAA5 Samples Taken	Date Each HAA5 Sample Taken (mo/da/yr)	HAA5 Sample Result (mg/L)	HAA5 Locational Quarterly Average (mg/L)	HAA5 Locational Quarterly Average (mg/L)	HAA5 Locational Quarterly Average (mg/L)	HAA5 Locational Quarterly Average (mg/L)		
				A	B	C	D		
								(A+B+C+D)/4	(2A+B+C)/4
WWTP tap	1	04/10/2017	47.42	47.42	48.15 02/02/2017	20.50 11/10/2016		NA	40.87
								Does the HAA5 LRAA at any monitoring location violate the HAA5 MCL of 0.060 mg/L? (YES/NO)	NA
								Does the HAA5 OE value at any monitoring location exceed 0.060 mg/L? (YES/NO)**	NO
								If you are on reduced quarterly monitoring, does the HAA5 LRAA exceed 0.030 mg/L at any monitoring location? (YES/NO/NA)***	NA

* Location names or numbers should correspond to those in your Stage 2 D/DBPR compliance monitoring plan required under 40 CFR 141.622.
 ** If any HAA5 OE value at any location exceeds 0.060 mg/L, you must conduct an OE and submit an OE report in accordance with 40 CFR 141.626.
 *** If any HAA5 LRAA at any location exceeds 0.030 mg/L, you must resume routine quarterly monitoring under 40 CFR 141.621.

