



FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

August 24, 2020

Patrick C. Flynn, Vice President
Utilities Inc of Florida
200 Weathersfield Avenue
Altamonte Springs, FL 32174
pcflynm@uiwater.com

Seminole County - DW
Wekiva Hunt Club WRF
File Number: FL0036251-025-DW1
Permit Revision – Headworks Replacement

Dear Mr. Flynn:

The Department is in receipt of your request to revise the conditions of the permit referenced above. The permit is hereby revised to allow construction at the facility to replace the existing headworks structure. The authorized construction/installation, meeting all reliability requirements, includes the following:

- Two center-flow channels with automatic screening and a by-pass channel with manual bar rack;
- A washer/compactor with a sluice system for screened material;
- A new splitter box;
- A new 4,000 gpm emergency by-pass pump; and
- Associated piping, valving and metering.

In addition to allowing the modification, the following conditions shall apply to this permit revision:

1. Prior to placing the new facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP **Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities.** [62-620.630(2)]
2. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on **Form 62-620.910(13)** that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.630(7)]
3. This permit does not cover any of the structural engineering aspects of this project.

This letter must be attached to Wastewater Permit No. FL0036251 and becomes a part of and subject to all conditions of that permit.

Judicial Review

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68, F.S. by the filing of a notice of appeal under Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days after this order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Erin Rasnake
Program Administrator
Permitting and Waste Cleanup Program

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

DEP: Dennise Judy, Daniel Hall, Reggie Phillips
Nicole McConnell, Kimley-Horn, nicole.mcconnell@kimley-horn.com
Gabrielle Milch, garden1green@gmail.com
Mayor Bryan Nelson, City of Apopka, bnelson@apopka.net

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

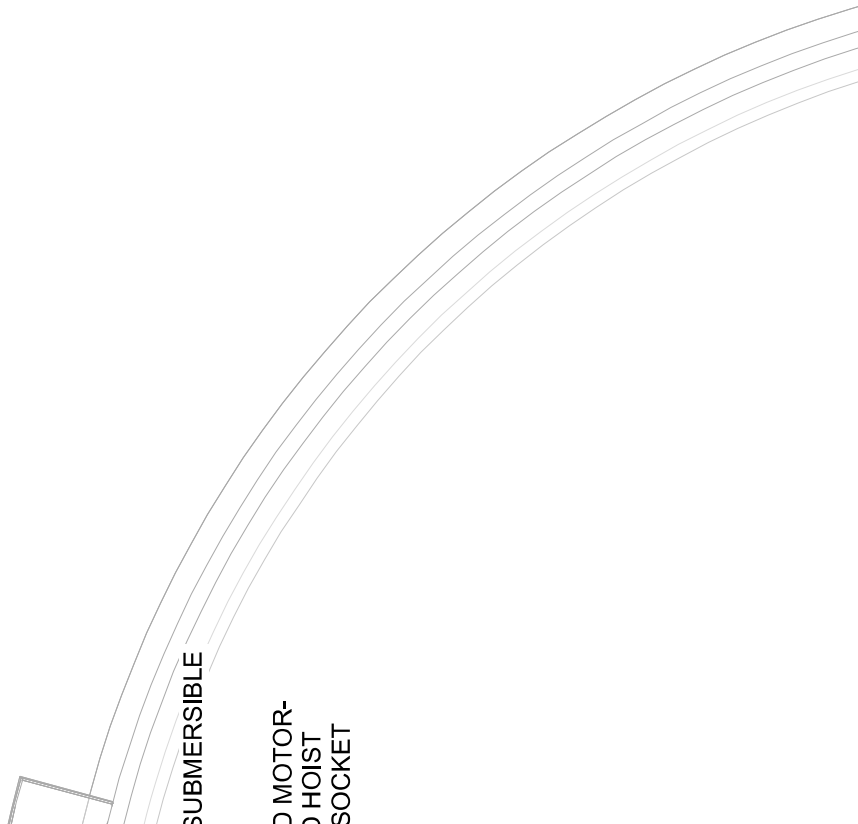
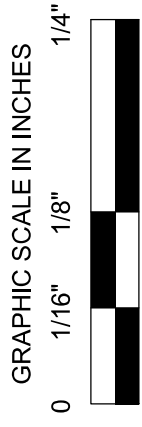
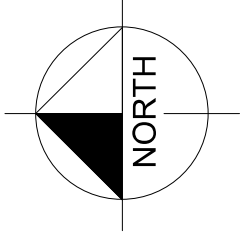


Clerk

August 24, 2020
Date

**REVISED BID COMPARISON
FOR
Wekiva Headworks
Utilities Inc of Florida**

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	Original CO	FEC REVISION	GARNEY REVISION	TLC REVISION
					AMOUNT	TOTAL PRICE	TOTAL PRICE	TOTAL PRICE
GENERAL								
1	Mobilization	LS	1	NA	NA	N/A	\$ 17,025.00	\$ 23,911.00
1A	General Requirements	LS	1	\$ 135,000.00	\$ 135,000.00	\$ 135,000.00	\$ 225,000.00	\$ 172,620.00
2	County Permit Fee (payable at actual cost)	LS	1	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
3	Project Closeout/Record Drawings	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 1,800.00	\$ 8,250.00
4	Construction Testing	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 56,750.00	\$ 7,991.00
SITE WORK								
5	Grading	LS	1	\$ 22,400.00	\$ 22,400.00	\$ 22,400.00	\$ 20,000.00	\$ 21,511.00
6	Asphalt Paving	SF	1,250	\$ 25.60	\$ 32,000.00	\$ 32,000.00	\$ 17,500.00	\$ 8,125.00
7	Concrete Paving	SF	400	\$ 9.50	\$ 3,800.00	\$ 3,800.00	\$ 11,600.00	\$ 5,200.00
8	Bollards	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 7,800.00	\$ 5,850.00
9	Pipe Supports	LS	1	\$ 10,400.00	\$ 10,400.00	\$ 10,400.00	\$ 8,450.00	\$ 11,700.00
10	Flow Meter Assembly Pad (Concrete)	CY	3	\$ 2,000.00	\$ 6,000.00	\$ -	\$ -	\$ -
SITE PIPING, FITTINGS, VALVES, METERS								
11	Site Piping, Fittings & Valves	LS	1	\$ 431,310.00	\$ 431,310.00	\$ 438,522.00	\$ 705,650.00	\$ 675,500.00
12	16" Mag Meter - Strap On	EA	1	\$ 7,058.00	\$ 7,058.00	\$ 4,500.00	\$ 12,500.00	\$ 8,500.00
13	30" Plug Valve, MJ	EA	1	\$ 23,535.00	\$ 23,535.00	\$ -	\$ -	\$ -
14	16" Plug Valve, FLG	EA	3	\$ 5,362.00	\$ 16,086.00	\$ -	\$ -	\$ -
15	16" Plug Valve, MJ	EA	2	\$ 5,403.00	\$ 10,806.00	\$ -	\$ -	\$ -
16	12" Plug Valve, FLG	EA	1	\$ 2,838.00	\$ 2,838.00	\$ -	\$ -	\$ -
17	12" Plug Valve, MJ	EA	2	\$ 3,018.00	\$ 6,036.00	\$ -	\$ -	\$ -
18	12" Check Valve	EA	1	\$ 5,055.00	\$ 5,055.00	\$ -	\$ -	\$ -
19	2" ARV	EA	2	\$ 1,428.00	\$ 2,856.00	\$ -	\$ -	\$ -
**Note: Items 13-19 are included in lump sum of Item #11								
HEADWORKS STRUCTURE								
20	Headworks Structure (Concrete structure, channels)	LS	1	\$ 501,400.00	\$ 501,400.00	\$ 422,000.00	\$ 296,500.00	\$ 345,600.00
21	Center Flow Screens, Washer/Compactor and Sluice System, Tankless Hot Water Heater (UIF to Direct Purchase. Item includes Installation)	LS	1	\$ 538,000.00	\$ 538,000.00	\$ 538,000.00	\$ 538,000.00	\$ 538,000.00
22	Manual Bar Screen (2 ft)	EA	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 3,500.00	\$ 3,734.00
23	Slide Gates	LS	1	\$ 41,625.00	\$ 41,625.00	\$ 27,750.00	\$ 24,000.00	\$ 31,732.00
24	Stop Gates	EA	2	\$ 13,875.00	\$ 27,750.00	\$ 27,750.00	\$ 32,000.00	\$ 23,520.00
25	Fiberglass Grating	SF	270	\$ 122.00	\$ 32,940.00	\$ 32,940.00	\$ 14,580.00	\$ 9,450.00
26	Hand Rails	LF	110	\$ 300.00	\$ 33,000.00	\$ 33,000.00	\$ 11,770.00	\$ 7,480.00
27	Stairs & Aluminum Walkway	LS	1	\$ 12,970.00	\$ 12,970.00	\$ 12,970.00	\$ 10,120.00	\$ 3,846.00
28	Hose Rack	EA	2	\$ 900.00	\$ 1,800.00	\$ 1,800.00	\$ 800.00	\$ 1,080.00
29	Existing Structure (Demo step screen, chute, conveyor, weirs, and gates, and connecting pipes and grating)	LS	1	\$ 31,000.00	\$ 31,000.00	\$ 31,000.00	\$ 22,000.00	\$ 10,081.00
SPLITTER BOX STRUCTURE								
30	Splitter Box Structure	CY	40	\$ 3,256.25	\$ 130,250.00	\$ 130,250.00	\$ 88,400.00	\$ 90,500.00
31	Slide Gates (6' x 2')	EA	3	\$ 11,667.00	\$ 35,001.00	\$ 35,001.00	\$ 39,000.00	\$ 39,900.00
32	Fiberglass Grating (including walkway)	SF	84	\$ 238.00	\$ 19,992.00	\$ 19,992.00	\$ 4,872.00	\$ 7,896.00
33	Hand Rails (including walkway)	LF	54	\$ 370.00	\$ 19,980.00	\$ 19,980.00	\$ 5,778.00	\$ 3,618.00
34	Pipe Connections (removing pipe from existing structure, pipe connections to plant, and temporary piping)	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 24,245.00
35	Pump (FLYGT)	EA	1	\$ 65,375.00	\$ 65,375.00	\$ 65,375.00	\$ 65,375.00	\$ 65,375.00
36	Mechanical Hoist (1,200-lb)	EA	4	\$ 25,000.00	\$ 100,000.00	\$ -	\$ -	\$ -
37	Removal of Hoists (UIF Staff)	LS	-	NA	NA	N/A	\$ -	\$ -
38	Pump Concrete Pad	CY	3	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,185.00	\$ 3,690.00
39	Rehab and Clean Surge Tank	LS	1	\$ 235,000.00	\$ 235,000.00	\$ -	\$ -	\$ -
40	30" Connection for influent pipe	EA	1	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
ELECTRICAL								
41	Electrical	LS	1	\$ 345,723.00	\$ 345,723.00	\$ 307,485.00	\$ 307,485.00	\$ 307,485.00
42	Instrumentation and Controls	LS	1	\$ 48,747.00	\$ 48,747.00	\$ 48,747.00	\$ 48,747.00	\$ 48,747.00
GRAND TOTAL					\$ 3,098,233.00	\$ 2,563,162.00	\$ 2,696,187.00	\$ 2,585,137.00

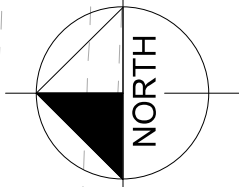


SUBMERSIBLE

MOTOR-
HOIST
SOCKET

PIPING LEGEND

NUMBER	DESCRIPTION
1	EXISTING 12" RECLAIMED WATER MAIN
2	EXISTING 20" FORCE MAIN
3	EXISTING 14" FORCE MAIN
4	EXISTING 2" RECLAIMED WATER WASHDOWN
5	EXISTING PIPING TO WWTP TANK # 1
6	EXISTING PIPING TO WWTP TANK # 2
7	EXISTING PIPING TO WWTP TANK # 3
8	EXISTING 12" DIP TO EXISTING HEADWORKS TO BE ABANDONED
9	EXISTING 16" DIP TO EQUALIZATION BASIN
10	24" FORCE MAIN INSTALLED BY OTHERS
11	24" DI 45 BEND, MJ
12	24" DI 45 BEND, FLG
13	24"x16" DI ECC RED, FLG
14	24" DI 90 BEND, MJ
15	24" DI TEE, FLG
16	30" DI TEE, FLG
17	30" DI 90 BASE BEND, FLG
18	30" DIP, FLG
19	30" DI 45 BEND, FLG
20	16" DI 90 BEND, MJ
21	12" DI 90 BEND, MJ
22	12" DI 45 BEND, MJ
23	12" DI 22.5 BEND, MJ
24	16" DI 22.5 BEND, MJ
25	16" PLUG VALVE, MJ
26	16" DIP, MJ
27	30"x16" DI TEE, FLG
28	16" DI 90 BEND, FLG
29	16" PLUG VALVE, FLG
30	30" PLUG VALVE, FLG
31	12" DIP MJ
32	16"x12" DI TEE, MJ
33	12" PLUG VALVE, MJ



CONNECT TO 24" PLUG VALVE
(APPROXIMATE LOCATION)



10



