

MID-COUNTY HEADWORKS REPLACEMENT				1		2		Engineers Estimate	
				TLC Diversified, Inc 2719 17th Street Ease Palmetto, FL 34221		SGS Contracting Services, Inc. PO Box 908 High Springs, FL 32655			
ITEM	DESCRIPTION	EST. QTY.	U/M	BID PRICE PER UNIT	TOTAL BID PRICE	BID PRICE PER UNIT	TOTAL BID PRICE	BID PRICE PER UNIT	TOTAL BID PRICE
1	Mobilization (10% Subtotal)	1	LS	\$ 170,400.00	\$ 170,400.00	\$ 162,575.00	\$ 162,575.00	\$ 277,600.00	\$ 277,600.00
2	Erosion and Sediment Control	1	LS	\$ 3,547.00	\$ 3,547.00	\$ 5,000.00	\$ 5,000.00	\$ 30,000.00	\$ 30,000.00
3	Site Preparation and Grading	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 15,000.00	\$ 15,000.00	\$ 30,000.00	\$ 30,000.00
4	As-Builts & O&M Manuals	1	LS	\$ 3,440.00	\$ 3,440.00	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00
5	Demolish Existing Static Screen, Trash Conveyor, and Grating	1	LS	\$ 8,450.00	\$ 8,450.00	\$ 25,000.00	\$ 25,000.00	\$ 30,000.00	\$ 30,000.00
6	Grout and Abandon Existing Pipeline	2.5	CY	\$ 735.00	\$ 2,205.00	\$ 750.00	\$ 1,875.00	\$ 400.00	\$ 1,000.00
7	12 Ft Diameter Grit King with 20 Inch Drop Pipe	1	LS	\$ 505,000.00	\$ 505,000.00	\$ 460,000.00	\$ 460,000.00	\$ 589,200.00	\$ 589,200.00
8	Grit Classifier	1	LS	\$ 204,000.00	\$ 204,000.00	\$ 210,000.00	\$ 210,000.00	\$ 147,300.00	\$ 147,300.00
9	Two (2) Grit Pumps including Suction Header and Discharge Header Piping, Fittings, Valves, Flush Seal Water System, and Pipe Supports	1	LS	\$ 71,000.00	\$ 71,000.00	\$ 90,000.00	\$ 90,000.00	\$ 89,000.00	\$ 89,000.00
10	Two (2) Drum Screens including Trash Chute, Ultrasonic Level Sensors, Endless Bagger, and Dumpster Modifications	1	LS	\$ 540,000.00	\$ 540,000.00	\$ 515,000.00	\$ 515,000.00	\$ 736,500.00	\$ 736,500.00
11	Two (2) Water Booster Pumps including Suction Header and Discharge Header Piping, Fittings, Valves, Appurtenances, and Pipe Supports	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 59,600.00	\$ 59,600.00
12	Odor Control System Relocation including Electrical Equipment, Blower Fan and Enclosure, BioSponge Vessel, Carbon Adsorption Vessel, Piping, Valves, and Associated Appurtenances	1	LS	\$ 37,000.00	\$ 37,000.00	\$ 15,000.00	\$ 15,000.00	\$ 40,000.00	\$ 40,000.00
13	Headworks Mechanical Piping Improvements (12-Inch Diameter and above) including all Aboveground Piping, Fittings, Wall Pipes, Blind Flanges, Valves, Appurtenances, and Pipe Supports	1	LS	\$ 108,700.00	\$ 108,700.00	\$ 80,000.00	\$ 80,000.00	\$ 65,500.00	\$ 65,500.00
14	Grit Fluidizing Assembly and Washdown Water Line Service including Piping, Fittings, Valves, Appurtenances, Pipe Supports, Service Saddles, Hose Bibs and Racks	1	LS	\$ 10,300.00	\$ 10,300.00	\$ 8,000.00	\$ 8,000.00	\$ 10,000.00	\$ 10,000.00
15	Headworks Drain System including Piping, Fittings, Valves, Appurtenances, Service Saddles, and Floor Drains	1	LS	\$ 37,200.00	\$ 37,200.00	\$ 30,000.00	\$ 30,000.00	\$ 21,300.00	\$ 21,300.00
16	4' 1" X 4' H Screening Channel Slide Gate	2	EA	\$ 13,500.00	\$ 27,000.00	\$ 15,000.00	\$ 30,000.00	\$ 21,000.00	\$ 42,000.00
17	2' X 4' H Effluent Channel Slide Gate	1	EA	\$ 13,400.00	\$ 13,400.00	\$ 15,000.00	\$ 15,000.00	\$ 10,500.00	\$ 10,500.00
18	Reinforced Concrete	1	LS	\$ 149,300.00	\$ 149,300.00	\$ 150,000.00	\$ 150,000.00	\$ 250,000.00	\$ 250,000.00
19	Concrete Bollards	8	EA	\$ 270.00	\$ 2,160.00	\$ 500.00	\$ 4,000.00	\$ 800.00	\$ 6,400.00
20	Miscellaneous Metals and Plastics	1	LS	\$ 55,000.00	\$ 55,000.00	\$ 75,000.00	\$ 75,000.00	\$ 112,500.00	\$ 112,500.00
21	Headworks FRP Covers With Flanged Connection Ports	1	LS	\$ 28,500.00	\$ 28,500.00	\$ 30,000.00	\$ 30,000.00	\$ 35,900.00	\$ 35,900.00
22	12-Inch PVC C900-16 DR 18 Force Main (Direct Bury including Excavation, Installation, and Restraints)	45	LF	\$ 195.00	\$ 8,775.00	\$ 300.00	\$ 13,500.00	\$ 200.00	\$ 9,000.00
23	12-Inch PVC C900-16 DR 25 Force Main (Direct Bury including Excavation, Installation, and Restraints)	15	LF	\$ 160.00	\$ 2,400.00	\$ 250.00	\$ 3,750.00	\$ 180.00	\$ 2,700.00
24	12-Inch DI 90 Deg Bend (MJ)	2	EA	\$ 1,300.00	\$ 2,600.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00
25	20-Inch X 12-Inch DI Reducer (MJ)	1	EA	\$ 1,400.00	\$ 1,400.00	\$ 1,000.00	\$ 1,000.00	\$ 3,000.00	\$ 3,000.00
26	Electrical and I&C	1	LS	\$ 162,000.00	\$ 162,000.00	\$ 260,000.00	\$ 260,000.00	\$ 500,000.00	\$ 500,000.00
27	Miscellaneous Site Restoration and Cleanup	1	LS	\$ 16,000.00	\$ 16,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
								Contingency (10%)	\$ 311,800.00
					\$ 2,237,777.00		\$ 2,264,700.00		\$ 3,429,800.00

Solicited contractors that did not submit bids: Westra Construction Corp., Garney Construction, Vogel Bros Building Co., SGS Contracting Services, Kiewit Corporation, Wharton-Smith, Inc., KAT Construction

SECTION 00410

BID FORM (LUMP SUM)

PART 1 GENERAL

1.1 Description

The following Bid, for the (1) Mid-County Master LS Replacement, is hereby made to (2) Utilities Inc. of FL, hereafter called the Owner. This Bid is submitted by (3) TLC Diversified, Inc. 2719 17th Street East, Palmetto, FL 34221 (941) 722-0621

- (1) Name of Project as shown in the Invitation for Bids
- (2) Owner
- (3) Name, address, and telephone number of Bidder

1.2 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	<u>1</u>	Dated	<u>03/24/20</u>
		Number	<u>2</u>	Dated	<u>04/03/20</u>
		Number	<u>3</u>	Dated	<u>04/20/20</u>
		Number	<u> </u>	Dated	<u> </u>

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.
2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within **240** calendar days of the date of the Notice to Proceed.
6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

1.3 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ Two Million, Three Hundred Ninety-Six Thousand, Three Hundred Dollars (\$ 2,396,300.00).

1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of each project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

PROPOSED IMPROVEMENTS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Mobilization (10%)	1	LS	\$ 230,000	\$ 230,000
2	Temporary Bypass Assembly and Bypass Pumping	1	LS	\$ 65,000	\$ 65,000
3	Erosion and Sediment Control	1	LS	\$ 8,000	\$ 8,000
4	As-Builts & O&M Manuals	1	LS	\$ 6,000	\$ 6,000
5	Utility Coordination	1	LS	\$ 5,000	\$ 5,000
6	Demolish Existing Master Lift Station including Concrete Wall, Top Slab, Electrical Equipment, Control Panel, Pumps, Piping, Valves, Hose Bib, Ladder, Pump Enclosure, and Associated Appurtenances and Equipment	1	LS	\$ 65,000	\$ 65,000
7	Demolish and Disposal of 10" Gravity Main	145	LF	\$ 50	\$ 7,250
8	Demolish Existing Manhole Cone, Ring, and Cover and Fill Abandoned Manhole With Flowable Fill	3	EA	\$ 1,500	\$ 4,500
9	Grout and Abandon Existing Pipe	10	CY	\$ 400	\$ 4,000
10	Remove Palm Trees	3	EA	\$ 1,500	\$ 4,500
11	Submersible Pumps and Controls including Pressure Transducer, Guide Rails, Brackets, and Floats	1	LS	\$ 283,000	\$ 283,000
12	Mechanical Piping Improvements including all Fittings, Valves, Aboveground Piping, Supports, Camlocks, Pressure Gauges, ARV Assembly, and Suction Pipe Assembly	1	LS	\$ 75,000	\$ 75,000
13	Washdown Water Line Service and Hose Bib	1	LS	\$ 5,000	\$ 5,000
14	Polymer Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	\$1,044,000	\$1,044,000

15	Wet Well Top Slab with Pipe Penetrations and Aluminum Access Hatch Assembly with Flood Tight Lid and Safety Grating	1	LS	\$ 26,000	\$ 26,000
16	Concrete Slab Around Top Slab (6" Thick)	25	SY	\$ 340	\$ 8,500
17	Concrete Ballast	15	CY	\$ 400	\$ 6,000
18	Polymer Concrete Manhole	3	EA	\$ 30,000	\$ 90,000
19	Polymer Concrete Doghouse Manhole	3	EA	\$ 35,000	\$ 105,000
20	8" PVC C900-16 DR 18 Gravity Main (Direct Bury)	120	LF	\$ 270	\$ 32,400
21	18" PVC C900-16 DR 18 Gravity Main (Direct Bury)	275	LF	\$ 400	\$ 110,000
22	Connection to Existing Manhole	1	LS	\$ 3,300	\$ 3,300
23	10" PVC C900-16 DR 18 Force Main (Direct Bury)	20	LF	\$ 330	\$ 6,600
24	12" PVC C900-16 DR 18 Force Main (Direct Bury)	310	LF	\$ 135	\$ 41,850
25	12" DI Plug Valve (MJ)	2	EA	\$ 4,600	\$ 9,200
26	12" DI 90 Deg Bend (MJ)	2	EA	\$ 1,050	\$ 2,100
27	12" DI 45 Deg Bend (MJ)	3	EA	\$ 975	\$ 2,925
28	12" DI Tee (MJ)	1	EA	\$ 1,400	\$ 1,400
29	12"X10" DI Reducer (MJ)	1	EA	\$ 850	\$ 850
30	10" DI 45 Deg Bend (MJ)	1	EA	\$ 800	\$ 800
31	Connection to Existing 10" Force Main	1	EA	\$ 1,625	\$ 1,625
32	Electrical and I&C	1	LS	\$ 100,000	\$ 100,000
33	Pavement Repair and Road Restoration (Sub-base, Base, and Asphalt)	20	SY	\$ 200	\$ 4,000
34	Sidewalk Restoration	5	SY	\$ 500	\$ 2,500
35	Miscellaneous Site Restoration and Cleanup	1	LS	\$ 35,000	\$ 35,000
TOTAL LUMP SUM PRICE (BASE BID) \$				\$ 2,396,300.00	

BID ITEM ALTERNATIVE				
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE
A-1	Standard Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	\$ 1,020,000.00
A-2	Standard Concrete Manhole	3	EA	\$ 25,000.00
A-3	Standard Concrete Doghouse Manhole	3	EA	\$ 30,000.00

1.5 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
 - 1. Bid Security complying with the requirements of the Bidding Documents.
 - 2. Trench Safety Statement - Section 00430

RESPECTFULLY SUBMITTED, signed and sealed this twenty-fourth day of April, 2020.

TLC Diversified, Inc.

Contractor

By (Signature)

04/24/2020

Date

Joanne Lamberson/Sr. VP

Printed Name and Title

2719 17th Street East

Business Address

Palmetto, FL 34221

City

State

Zip Code

(CORPORATE SEAL)

(941) 722-0621

(941) 722-1382

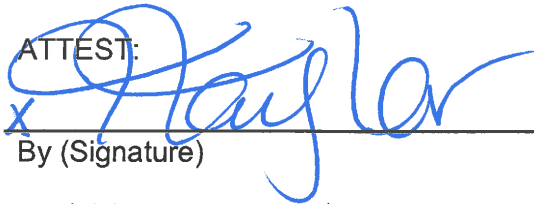
Telephone No.

Facsimile No.

tlamberson@tlcdiv.com

E-Mail Address

ATTEST:



04/24/2020

By (Signature)

Date

Tiffany Taylor/Asst. Secretary

Printed Name and Title

**END OF
SECTION**

SECTION 00410

BID FORM (LUMP SUM)

PART 1 GENERAL

1.1 Description

The following Bid, for the (1) Mid-County Master Lift Station Replacement is hereby made to (2) Utilities Inc. of Florida, hereafter called the Owner. This Bid is submitted by (3) Westra Construction Corp.

_____ 1263 12th Avenue East
_____ Palmetto, Florida 34221
_____ 941-723-1611

*(1) Name of Project as shown in the Invitation for Bids
(2) Owner
(3) Name, address, and telephone number of Bidder*

1.2 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2.	Addenda:	Number	<u>1</u>	Dated	<u>3/24/20</u>
		Number	<u>2</u>	Dated	<u>4/3/20</u>
		Number	<u>3</u>	Dated	<u>4/20/20</u>
		Number	_____	Dated	_____

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.
2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.
3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.
4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within **240** calendar days of the date of the Notice to Proceed.
6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

1.3 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ One Million
Nine Hundred Sixty Three Thousand Seven Hundred Forty Eight Dollars Dollars (\$ 1,963,748.50
and Fifty Cents).

1.4 Schedule of Values

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of each project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

PROPOSED IMPROVEMENTS					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Mobilization (10%)	1	LS	195,000.00	195,000.00
2	Temporary Bypass Assembly and Bypass Pumping	1	LS	150,000.00	150,000.00
3	Erosion and Sediment Control	1	LS	2,550.00	2,550.00
4	As-Builts & O&M Manuals	1	LS	4,100.00	4,100.00
5	Utility Coordination	1	LS	9,600.00	9,600.00
6	Demolish Existing Master Lift Station including Concrete Wall, Top Slab, Electrical Equipment, Control Panel, Pumps, Piping, Valves, Hose Bib, Ladder, Pump Enclosure, and Associated Appurtenances and Equipment	1	LS	83,000.00	83,000.00
7	Demolish and Disposal of 10" Gravity Main	145	LF	15.30	2,218.50
8	Demolish Existing Manhole Cone, Ring, and Cover and Fill Abandoned Manhole With Flowable Fill	3	EA	3,000.00	9,000.00
9	Grout and Abandon Existing Pipe	10	CY	540.00	5,400.00
10	Remove Palm Trees	3	EA	700.00	2,100.00
11	Submersible Pumps and Controls including Pressure Transducer, Guide Rails, Brackets, and Floats	1	LS	350,000.00	350,000.00
12	Mechanical Piping Improvements including all Fittings, Valves, Aboveground Piping, Supports, Camlocks, Pressure Gauges, ARV Assembly, and Suction Pipe Assembly	1	LS	130,000.00	130,000.00
13	Washdown Water Line Service and Hose Bib	1	LS	1,200.00	1,200.00
14	Polymer Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	505,000.00	505,000.00

15	Wet Well Top Slab with Pipe Penetrations and Aluminum Access Hatch Assembly with Flood Tight Lid and Safety Grating	1	LS	20,000.00	20,000.00
16	Concrete Slab Around Top Slab (6" Thick)	25	SY	107.00	2,675.00
17	Concrete Ballast	15	CY	750.00	11,250.00
18	Polymer Concrete Manhole	3	EA	20,000.00	60,000.00
19	Polymer Concrete Doghouse Manhole	3	EA	18,000.00	54,000.00
20	8" PVC C900-16 DR 18 Gravity Main (Direct Bury)	120	LF	250.00	30,000.00
21	18" PVC C900-16 DR 18 Gravity Main (Direct Bury)	275	LF	285.00	78,375.00
22	Connection to Existing Manhole	1	LS	7,000.00	7,000.00
23	10" PVC C900-16 DR 18 Force Main (Direct Bury)	20	LF	175.00	3,500.00
24	12" PVC C900-16 DR 18 Force Main (Direct Bury)	310	LF	185.00	57,350.00
25	12" DI Plug Valve (MJ)	2	EA	5,000.00	10,000.00
26	12" DI 90 Deg Bend (MJ)	2	EA	1,400.00	2,800.00
27	12" DI 45 Deg Bend (MJ)	3	EA	1,400.00	4,200.00
28	12" DI Tee (MJ)	1	EA	2,200.00	2,200.00
29	12"X10" DI Reducer (MJ)	1	EA	1,220.00	1,220.00
30	10" DI 45 Deg Bend (MJ)	1	EA	1,200.00	1,200.00
31	Connection to Existing 10" Force Main	1	EA	8,100.00	8,100.00
32	Electrical and I&C	1	LS	108,700.00	108,700.00
33	Pavement Repair and Road Restoration (Sub-base, Base, and Asphalt)	20	SY	70.00	1,400.00
34	Sidewalk Restoration	5	SY	122.00	610.00
35	Miscellaneous Site Restoration and Cleanup	1	LS	50,000.00	50,000.00
TOTAL LUMP SUM PRICE (BASE BID) \$					\$1,963,748.50

BID ITEM ALTERNATIVE				
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE
A-1	Standard Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	483,200.00
A-2	Standard Concrete Manhole	3	EA	10,800.00
A-3	Standard Concrete Doghouse Manhole	3	EA	12,800.00

1.5 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
 - 1. Bid Security complying with the requirements of the Bidding Documents.
 - 2. Trench Safety Statement - Section 00430

RESPECTFULLY SUBMITTED, signed and sealed this 24th day of April, 2020.

Westra Construction Corp.

Contractor

 4/24/20
By (Signature) Date

Brian Beukema, Vice President

Printed Name and Title

1263 12th Avenue East

Business Address

Palmetto Florida 34221
City State Zip Code



941-723-1611

Telephone No.

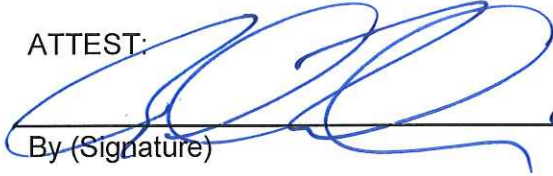
941-729-8365

Facsimile No.

mike@westraconst.com

E-Mail Address

ATTEST:



By (Signature)

4/24/20

Date

Benjamin Nowakowski, Treasurer

Printed Name and Title

**END OF
SECTION**



March 16, 2020

Patrick Flynn
Utilities Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, FL 32714

Re: Professional Services Agreement for Mid-County Headworks and Grit Removal Improvements
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Flynn:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("UIF" or "Client") for providing design, permitting, bidding and construction phase services for the Mid-County WWTP Improvements.

Project Understanding

The Mid-County WWTP is an extended aeration, Type I facility with high level disinfection. The Mid-County WWTP is currently operating under Permit No FL0034789 that will expire August 4th, 2021. The Mid-County WWTP is permitted for an annual average daily flow (AADF) of 0.90 million gallons per day (MGD). The Mid-County service area is built-out, has not exceeded the permitted AADF capacity, and is not anticipating additional connections. While the plant experiences variations in flow due to seasonal population and wet weather conditions, the average daily flow (ADF) consistently ranges from 0.6 MGD to 1.2 MGD. Increases in ADF occur during wet weather conditions. The existing plant configuration does not provide adequate capacity to handle peak flow events during wet weather and cannot provide redundancy for maintenance activities or equipment failures. Additionally, existing infrastructure is reaching the end of its useful life and is at risk of failure.

On November 19th, 2018, the facility was issued Consent Order OGC File No. 18-1197 due to exceedances of permitted effluent levels following the failure of a clarifier. As part of the consent order an updated Capacity Analysis Report, Operation and Maintenance Performance Report, and Preliminary Design Report (PDR) was submitted to FDEP in February 2019. FDEP issued an In-Kind Completion and Case Closure for the consent order on July 30, 2019. Kimley-Horn was subsequently authorized to complete an engineering analysis outlining required capital improvements to improve the operation of the Mid-County WWTP, increase system redundancy, and alleviate overloading during wet weather conditions.

The following improvements are recommended:

1. Headworks and Grit Removal System Improvements
2. Extended Aeration to Membrane Bioreactors (MBR) Plant Conversion
3. UV Disinfection
4. Sludge Processing Improvements

Kimley-Horn will complete the Scope of Services for each task outlined below for the headworks and grit removal system improvements.

Scope of Services**TASK 1 – DESIGN – HEADWORKS AND GRIT REMOVAL**

The existing static screen is rated for a 1,300 gpm maximum flow. The existing static screen is undersized for the Master Lift Station replacement and only provides coarse screening. Additionally, the metal grates show signs of corrosion and failure. A fine screen is required to protect the MBR treatment system from damages that can occur from debris in the plant influent. MBR systems require fine screening with a maximum screen opening of 2-mm to protect the membranes against damage from abrasive or sharp debris and clogging from rags and fibers.

Kimley-Horn will design a new headworks (fine screen) and grit removal system in a standalone configuration on the treatment plant site. The proposed fine screen will be compatible with the proposed MBR conversion and will be sized to handle peak hour flows received at the Mid-County WWTP. The screen will receive flow from the proposed master lift station. The screened wastewater will flow into the grit chamber for grit removal prior to conveyance to the surge tanks. The design of the screen and grit removal system will include associated piping and instrumentation improvements to operate the system. The design will include site improvements required including grading modifications, demolition, site lighting, and truck access paths.

Construction plans will be set up in 11" x 17" format. Plans will include the following sheets:

- Standard Cover sheet
- General Notes and Legend
- Demolition Plan
- Site Plan
- Dimensional Control Plan
- Grading and Drainage Plan
- Yard Piping Plan
- Headworks Plan and Details
- Grit Removal System Plan and Details
- Structural Plans and Details
- Bypassing and Construction Phasing Plan
- Electrical Plans (to be completed by electrical engineer)
- Typical details

Plans will be delivered to the Client electronically for review and comment at the 60% and 90% design phases. Kimley-Horn will meet with staff on site to review and discuss any comments. Kimley-Horn will revise the plans as necessary and resubmit to the Client up to one (1) time per submittal.

Kimley-Horn will prepare front-end and technical specifications for the 90% submittal based on standard Specifications utilized by UIF. Specifications, including bid form, schedule, and measurement and payment sections will be updated to reflect project specific content.

Kimley-Horn will prepare quantity take-offs and an opinion of probable cost and inform Client during the design process of cost changes caused by significant design changes that increase the project construction cost. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Consultant at this time and represent only the Consultant's judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

TASK 2 – PERMITTING

The Consultant will assist the Client in applying for the FDEP Wastewater Permit Modification. This process will require a substantial modification, and the related permit fee is \$2,500.00, and is included as part of this task.

The current Mid-County operating permit will expire on August 4, 2021. The Consultant will prepare the Wastewater Permit Application Form 2A for Domestic Wastewater Facilities required for the permit renewal. The consultant will prepare the associated documents required for the operating permit renewal including the Capacity Analysis Report (CAR) and the Operating, Maintenance and Performance Report (OMPR). The operating permit renewal and associated documents will include updates to reflect all improvements outlined in this scope.

The Consultant will assist the Client in applying for a Pinellas County Site Plan permit. This permitting task will include the following:

- Pre-Application Meeting with County
- Site Plan Checklist
- Site Plan Review Application
 - The permit fee for this item will be determined in pre-application meeting and therefore is not included as part of this proposal.

TASK 3 – BIDDING AND SERVICES DURING CONSTRUCTION

Kimley-Horn will coordinate with a minimum of three (3) pre-selected contractors for distribution of plans. Kimley-Horn will provide clarifications during the bidding phase to technical inquiries received and provide language for addenda, as necessary, and issue them to the contractor. Following receipt of the bids, Kimley-Horn will review provide a letter of recommendation to the Client.

Kimley-Horn will coordinate a pre-construction conference prior to commencement of work at the site. Kimley-Horn will provide five (5) copies of signed and sealed Conformed Documents to the contractor for the Pinellas County building permit or right-of-way permit if required.

Kimley-Horn will review and approve or take other appropriate action in respect to shop drawings and samples and other data which Contractor is required to submit based on permit conditions, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

Kimley-Horn will provide on-site construction observation services during the construction phase of the project. Kimley-Horn will make up to six (6) site visits during construction to observe the progress of the Work. Such visits and observations by Kimley-Horn are not intended to be exhaustive or to extend to every aspect of Contractor's work in progress. Observations are to be limited to spot checking, selective measurement, and similar methods of general observation of the Work based on Consultant's exercise of professional judgment. Based on information obtained during such visits and such observations, Consultant will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Consultant will keep Client informed of the general progress of the Work.

The purpose of Kimley-Horn's site visits will be to enable Consultant to better carry out the duties and responsibilities specifically assigned in this Agreement to Consultant, and to provide Client a greater degree

of confidence that the completed Work will conform in general to the Contract Documents. Consultant shall not, during such visits or as a result of such observations of Contractor's work in progress, supervise, direct, or have control over Contractor's work, nor shall Kimley-Horn have authority over or responsibility for the means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction selected by Contractor, for safety precautions and programs incident to Contractor's work, nor for any failure of Contractor to comply with laws and regulations applicable to Contractor's furnishing and performing the work. Accordingly, Consultant neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the Contract Documents.

Consultant will, promptly after notice from Contractor that it considers the entire work ready for its intended use, in company with Client and Contractor, conduct a site visit to determine if the work is substantially complete. Work will be considered substantially complete following satisfactory completion of all items with the exception of those identified on a final punch list. If after considering any objections of Client, Consultant considers the Work substantially complete, Consultant will notify Client and Contractor.

Consultant will conduct two (2) additional site visits to determine if the completed Work of Contractor is generally in accordance with the Contract Documents and the final punch list so that Consultant may recommend, in writing, final payment to Contractor. Accompanying the recommendation for final payment, Consultant shall also provide a notice that the Work is generally in accordance with the Contract Documents to the best of Consultant's knowledge, information, and belief based on the extent of its services and based upon information provided to Consultant upon which it is entitled to rely.

Consultant shall not be responsible for the acts or omissions of any Contractor, or of any of their subcontractors, suppliers, or of any other individual or entity performing or furnishing the work. Consultant shall not have the authority or responsibility to stop the work of any Contractor.

Services Not Included

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

- Biological Modeling
- Subsurface Utility Investigation
- Environmental Services
- Public Involvement

Information Provided By Client

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

- As-Builts

Responsibilities of Client

In addition to other responsibilities set out in this Agreement, the Client shall:

- Access to the Site

Fee and Expenses

Kimley-Horn will perform the services listed above for the total lump sum fee as shown below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1 – Design – Headworks and Grit Removal	<u>\$112,929.00</u>
<i>Fee Includes:</i>	
<i>Electrical Engineering</i>	\$ 12,000.00
Task 2 – Permitting	<u>\$14,890.00</u>
Task 3 – Construction Phase Services	<u>\$59,187.00</u>
<i>Fee Includes:</i>	
<i>Electrical Services During Construction</i>	\$8,000.00
<hr/> TOTAL LUMP SUM FEE	<hr/> <u>\$187,005.00</u>

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

Closure

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

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

Please email all invoices to mawilson@uiwater.com

Please copy _____

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


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

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

Very truly yours,

KIMLEY-HORN AND ASSOCIATES, INC.

By:  Shelby N. Hughes, P.E.
Project Manager


Wayne White, P.E.
Vice President

**Utilities Inc. of Florida
A Corporation**

By:

Patrick C. Flynn, President/Vice President

March 16, 2020
(Date)

Patrick C. Flynn, Vice President
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)