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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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

Docket No. 20200139-WS

REBUTTAL TESTIMONY

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

Q. Please state your, name profession and address.

A. My name is Patrick C. Flynn. I am Vice-President of Utilities, Inc. of Florida. My business address is 200 Weathersfield Ave., Altamonte Springs, Florida, 32714.

Q. Have you previously prefiled direct testimony in this proceeding?

A. Yes.

Q. What is the purpose of your rebuttal testimony?

A. The purpose of my rebuttal testimony is to address the prefiled testimony of OPC witness Frank Radigan.

Q. Do you agree with OPC witness Radigan's testimony regarding UIF not being able to certify that all proforma projects will be in service before December 31, 2021, the end of the 24-month period following the end of the test year?

A. No, I am sponsoring Exhibits PCF-1 through PCF-45 that provide documentation in support of each proforma project's scope, timing, and justification.

Q. For each project, can you identify its current status and when each one is projected to be placed in service?

A. Yes.

PCF-1, the Cypress Lakes I&I Investigation, was completed in August 2020 in the amount of $42,500. The project scope included the comprehensive cleaning and video inspection of two sections of the collection system. The project came in under budget by $7,500.

PCF-2, Eagle Ridge Lift Stations 3 & 8 Remediation, was completed in September 2020. The project scope included the removal and replacement of all piping, valves, and fittings at two lift stations due to severe corrosion after 36 and 30 years of service respectively. Construction costs came in slightly under budget at $77,890.36. With the addition of Interest During Construction (IDC) of $49 and cap time of $2,220, the total project **cost**

was $80,139.36.

PCF-3, Eagle Ridge Lift Station RTU Installation, was completed in August 2020. The scope included the installation of remote telemetry units at 13 lift stations in the Eagle Ridge and Cross Creek collection systems and the integration of the equipment into our existing SCADA system. Construction costs came in under budget at $210,602. The total project cost, including IDC and cap time, was $229,159.

PCF-4, Engineering Eagle Ridge WWTP Site Improvements, was completed in August 2020. The project provided engineering services in support of Eagle Ridge Plant site improvements referenced in PCF-5. The original budget was increased to $151,118 due to the additional services required to complete Task 6, obtaining a Lee County variance to the county's development code, site plan approval, permitting, construction oversite, and coordination between the county staff, administrative hearing offer, the Eagle Ridge HOA board, and FDEP. Total project cost was $163,483 including IDC and cap time of $10,485 and $1,880 respectively.

PCF-5, Eagle Ridge WWTP Site Improvements, was completed in July 2020. The project scope included the removal of the plant site's perimeter fence, installation of decorative fencing on the north, east and south sides in conformance with Lee County's code variance requirements, installation of a replacement main entrance gate and auxiliary entrance gate matching the decorative fencing motif, removal of all invasive tree species from the site, installation of native shrub and tree species to provide visual buffer, construction of fully sodded shallow stormwater retention basins, and installation of an irrigation system using reclaimed water to establish the sod and landscaping. Multiple vendors, contractors, and suppliers were utilized to complete the complex project. The total construction cost was $658,624, approximately $21,400 above the original budget, which reflected the cost to plant additional trees at Lee County staff direction. With IDC and cap

time of $34,563 and $10,611 respectively, the total project cost was $703,798.

PCF-6, Labrador WWTP Master Plan, is scheduled to be completed by the end of January 2021. The project scope includes a comprehensive technical evaluation of the Labrador WWTP's tanks, structures, piping, and equipment by a licensed professional engineer to determine the expected remaining service life of the plant facilities. A report containing conclusions and recommendations will be provided in January, which will then be used by UIF staff to develop a plan that addresses the timing, extent, and costs associated with the replacement of plant assets to avoid the negative financial, environmental and regulatory consequences of failure of treatment plant components. The total project cost to date is $44,736. No additional costs are expected to be incurred. This project is a planning activity.

PCF-7, Longwood Lift Station RTU Installation, was completed in January 2020. The project scope included the installation of remote telemetry units at 13 lift stations in the Longwood Shadow Hills collection system and then integrating the new equipment into UIF's existing SCADA system. Construction costs totaled $122,024, slightly under the project budget. With IDC and cap time totals of $3,488 and $136 respectively, the total project cost was $125,647.

PCF-8, Engineering of the Crescent Bay Raw Water Main, is an open project. The project is scheduled to be completed by April 2021 with the engineering design, surveying, permitting, and bidding processes already completed. Construction inspection services will continue until the completion of construction in April. To date, expenditures have totaled $65,000 out of the $70,000 budgeted for engineering services. The remaining $5,000 will be spent during construction. IDC and cap time of $3,204 and $452 respectively have been incurred to date. Additional IDC and projected cap time costs of $538 and $1,048 respectively, in addition to the remaining $5,000 in engineering services, will result in a

projected total project cost of $75,242.

PCF-9, Crescent Bay Raw Water Main, is a project that will begin construction in January 2021 and be completed in April 2021 reflecting the contractor's work schedule and availability of his crews. No project costs have been incurred to date. The project entails construction of a subaqueous 8" water main under Lake Crescent and an additional 3,000 LF of 8" water main through two neighborhoods that will connect the existing Crescent Bay water supply well with the CR 561 WTP. This will allow efficient and enhanced use of the Crescent Bay well to meet increasing peak water demand due to customer growth in the area. The contract has been awarded to the lowest bidder, Tri-Sure Corporation, in the amount of $481,514. The project budget also includes $5,000 to fund the acquisition of two utility easements from the Lake Crescent Hills and Crescent Bay HOA's at $2,500 each. IDC of $9,331 and cap time of $7,186 will bring the total project cost to $503,031.

PCF-10, Lake Groves Sulfuric Acid Tank Replacement, was completed in April 2020. The original tank, containing 93% pure sulfuric acid used in the water treatment process, had begun to exhibit signs of failure. Although the storage tank has a secondary containment vessel integral to it, UIF determined it was prudent to replace the poly tank before the tank failed. The construction cost was $54,303, IDC was $415 and cap time was $787 for a total project cost of $55,504.

PCF-11, Lake Groves Hydrochloric Acid Storage Tank, was a project completed in March 2020. The project entailed relocating an existing tank to an outdoor location to avoid corrosion on metal surfaces inside the Lake Groves chemical storage building. The project cost totaled $29,992 and was completed by Odyssey Manufacturing. There was no IDC or cap time associated with this project.

PCF-12, Lake Groves RAS Pumps, includes the replacement of two existing pumps that are integral to the wastewater treatment process but do not provide reliable or

efficient performance, are expensive to repair, and parts are not readily available for this brand and model. The two replacement pumps have been ordered by UIF and will be installed in January 2021 at a cost of $42,558, inclusive of all parts and labor, by Danus Utilities, Inc.

PCF-13, Barrington WWTP Improvements, is an open project that is on schedule to be completed in May 2021. The generator and lift station control panel have been ordered and are scheduled for delivery in January. Thereafter, Danus Utilities will mobilize on site and begin construction of the lift station as well as installation of the control panel and transfer switch, followed by the installation of the generator. The engineering services provided in this project include lift station design, permitting, bidding, and construction inspection. The engineering and construction costs total $380,000. IDC and cap time are projected to total $9,122 and $3,824 respectively resulting in a total project cost of $392,946.

PCF-14, Mid-County Master Lift Station, is an open project with construction under way at the Mid-County WWTP site. The project is on schedule to be completed by the end of June 2021. The scope of work includes: engineering design, permitting, bidding and construction inspection services; construction of a new master lift station, gravity sewer main, manholes, force main, pumps, and control panel; demolition of the original lift station; and integration of the new equipment with the plant's SCADA system. The project's engineering and construction budget totals $2,103,578. The projected IDC amount is $73,696 and projected cap time is $38,866. To date, $282,018 has been spent with approximately 15% of the work completed. The wet well, four manholes, and most of the 18" gravity main has been installed already, the two submersible pumps have been delivered, and the control panel is being fabricated. The relocation of underground utilities from the future headworks pad will be completed in February in advance of the start of construction of the headworks facilities in March.

PCF-15, Mid-County LS 4 and LS 7 Generators, is an open project that will close in December 2020 after the successful startup of the new generator at LS 7 on December 11. The generator at LS 4 was placed into service in November. This project was approved by FDEP as an in-kind project under the terms of the open Consent Order included in the MFR's. The Consent Order will now be closed by FDEP. This project's scope included the installation of emergency generators with subbase fuel tanks and automatic transfer switches at two key lift stations. Dedicated generators will provide immediate restoration of the two stations' pumping capacity when normal power is lost, and thus drastically reduce the risk of a sanitary sewer overflow. The cost of construction and engineering services to date totals $119,699. IDC and cap time to date total $568.95 and $4,436 respectively. The total engineering and construction costs will end up at $130,159 reflecting an additional $13,629 for Pinellas County permitting fees, landscaping at LS 4, effort required to respond to Pinellas County plan review process. The project's total cost will be $136,163.

PCF-16, Mid-County Curlew Creek I&I Remediation, is an open project that will be completed by January 31, 2021. Construction and engineering services expenditures total $$230,671 to date. Including IDC and cap time, the total spent to date is $234,906. The project scope entails engineering design; permitting and coordination with Pinellas County, FDEP, and FDOT; bidding; construction inspection services; cleaning and video inspection of 6,500 of gravity sewer main; lining 6,500 LF of pipe; refurbishing three brick manholes and 36 standard manholes; installing sheeting around MH 2 to protect it from erosion on the creek bank. The total project cost will be $719,049 inclusive of IDC and cap time. As of early December, three of the four manholes have been completed, most of the lining installation has been done, and the project workflow is on schedule.

PCF-17, Mid-County Headworks, is an open project that will be completed by November

2021. The project's scope includes the installation of drum screens; grit removal equipment; relocation of odor control equipment; pipe work; washdown pumps, and demolition of the current headworks. The engineering design, permitting, bidding and bid award steps have been completed. The prime contractor, TLC Diversified, will soon order the screening and grit removal equipment following approval of applicable shop drawings currently under review by our engineer. The Pinellas County site plan approval, habitat permit, and building permit processes are well under way. FDEP has issued its construction permit. Once the master lift station contractor completes the relocation of underground facilities in February, TLC will mobilize on site and commence work. To date, expenditures have been limited to engineering services totaling $169,994, IDC of $3,296 and cap time of $2,279 for a total of $174,568.58. The project's total budget is $2,424,782.

PCF-18, Mid-County Lift Station 10 FM Relocation, is an open project that will be completed by the end of December 2021 in coordination with FDOT's road improvement project in the US 19 North road corridor in Clearwater. Portions of a 4" force main that crosses US 19 at Curlew Road must be relocated away from FDOT's planned flyover. The project scope is to design the relocation of segments of the pipe, coordinate with FDOT to avoid conflicts with their plans, then obtain a FDEP construction permit, solicit bids, and provide construction inspection services. UIF must adjust its facilities before FDOT's contractor mobilizes late next year to avoid any delays on our part to FDOT's schedule. To date, engineering expenditures have totaled $31,640 out of a total budgeted amount of $55,750. The project's total cost is budgeted at $57,451.

PCF-19, Pennbrooke Diffuser Replacement, was completed in April 2020. The project's scope included the removal and replacement of 16 drop pipes and 32 air diffusers in the aeration basins of the Pennbrooke WWTP. The project cost was $33,419, slightly under

the budgeted amount of $34,000. There was no IDC or cap time booked to this project.

PCF-20, Sandalhaven Lift Station RTU Installation, is an open project with a planned completion date of March 2021. The contractor, Barney's Pumps, formerly Sanders Company, Inc., was authorized to proceed with the work in mid-November. Once the equipment is in hand in January, the contractor will begin installing the units. The project scope includes the installation of 13 remote telemetry units at each Sandalhaven lift station, solar arrays to recharge battery packs so that the RTU's provide real time information during extended loss of power at stations that have no dedicated emergency generator on site, and integration with UIF's existing SCADA system. The contractor identified that he would need a couple of months to obtain the equipment followed by installation of the RTU's at a rate of two per week. No expenditures have been made yet. The project budget is $135,406.

PCF-21, Sandalhaven I&I Investigation, is an open project that will get under way in January 2021. The contractor, Specialized Plumbing Technologies (SPT), has been awarded the work and will commence the cleaning and video inspection of 8,000 LF of 8" gravity sewer main beginning in January. No expenditures have been made yet. The project budget amount is $56,500.

PCF-22, Wekiva WWTP Improvements, is a complex capital project that is substantially complete with all newly installed equipment placed into service in October and November. The project is scheduled to be completed by the end of December 2020. The project scope includes a noise and odor study; engineering services including design, permitting, bidding, site plan approval and construction inspection services; placement of new turbo compressors in a blower building; stainless steel air header; replacement of sand filters with membrane filters; new chemical feed and storage facilities; replacement of a storage barn; relocation of a belt press; milling and resurfacing of roadways; and demolish

abandoned facilities. The project budget is $278,820 for engineering services and $6,200,242 for construction for a total of $6,479,062. IDC is projected to total $306,435 and cap time to be $60,875. A DEP Consent Order, OGC-18-0103, filed with the MFR's, will be closed shortly.

PCF-23, Wekiva WWTP Headworks, is an open project that will be completed in November 2021. The project scope includes engineering services including design, permitting, site plan approval, bidding, and construction services. Additionally, UIF will construct an expanded plant headworks structure; install twin center flow screens; install a fourth surge pump; install a 30" DIP connection between the new headworks and the surge tank; install instrumentation and connect it to the existing SCADA system; and build a bypass channel to the surge tank in the event both screens fail. The project will take nine months to complete and the contractor is already mobilized on the site as he is currently completing the Wekiva Plant improvements project. Shop drawing reviews have been underway for weeks. The engineering services budget amount is $186,715 and the construction component is $2,580,912. Projected IDC of $124,913 and projected cap time of $16,126 generates a total capital budget amount of $2,908,666.

PCF-24, Sanlando Well Panel Replacement, is an open proforma project that is now wrapped up and scheduled to close in December 2020. The project scope includes the replacement of five control panels at Sanlando supply wells 1, 1A, 4, 5 and 8 due to their age and condition. The project cost was $74,500 plus $1,725 in IDC and $2,313 in cap time for a total of $78,537.

PCF-25, Sanlando FM and WM Replacement, is an open project that is scheduled to close in May 2021. The project scope includes the replacement of a 14" water transmission main and a 14" force main with 16" size pipe, valves and appurtenances using both open cut and directional drilling construction methods. An analysis of the pipe's condition and

frequency of failures indicated that both the FM and WM were at risk of failure. Additionally, the velocity through the pipe exceeded standard design characteristics. The contractor, Tri-Sure Corporation, is on schedule to complete the project as planned in May. The project cost is $3,691,400 with the water main costing $1,791,990 and the force main costing $1,899,410. After adding the projected IDC and cap time, the total project cost will be $3,860,720.

PCF-26, Sanlando F5/C1/L2 Force Main Replacement Engineering, is an open project that is scheduled to close in December 2021. The project consists of engineering services including design, permitting, and contract bidding of three force mains that are to be replaced beginning in 2021. These are the force mains carrying flow from Lift Stations F5, C1 and L2, all of which are at the end of their service life, are at risk of failure based on recent repair history, and have a high consequence of failure as well. The project budget is $185,000 for the engineering services. With IDC and cap time added, the total budget amount is $202,966. To date, total expenditures are $139,083.

PCF-27, Sanlando I&I Remediation, Ph.4, is an open project that is scheduled to wrap up in March 2021. The scope of the project is to install liners in 24,319 LF of 8" vitreous clay pipe, install 62 LF of sectional liners, restore 5 manholes, raise 17 manhole rings and covers, remove roots from 5,652 LF of sewer mains, and excavate, replace and restore gravity mains in nine locations. The project is on schedule. The project cost to date is $1,331,381 inclusive of IDC and cap time. The total project budget is $2,328,0234 inclusive of IDC and cap time.

PCF-28, E. E. Williamson Utility Relocates, is an open project that is scheduled to be completed by December 2021. The start of the project is dependent on Seminole County's road improvement schedule, which currently identifies the county's intent to let their contractor proceed in the fourth quarter of 2021. UIF must adjust the location of segments

of water main and force main within the E. E. Willliamson road right-of-way in advance of and in coordination with the county's contractor. The plans have been drawn up, permits are in hand, bids were opened weeks ago, and the contract awarded to the low bidder. The project's budget is $462,535 including IDC and cap time. The project cost is allocated 25% water and 75% wastewater cost.

PCF-29, Sanlando Lift Station Mechanical Rehabilitations, is an open project. It is scheduled to be completed in December 2020. The project includes replacing control panels at 12 lift stations, removing and replacing piping in the wet wells of seven lift stations; replacing check valves, gate valves, plug valves, vault lids, and fittings at various other lift stations in the Sanlando and Shadow Hills collection systems. The project budget is $543,277 inclusive of IDC and cap time. The contractor is on schedule.

PCF-30, Sanlando FM and WM Modeling and Analysis, was completed in June 2020. The project scope included modeling most of the Sanlando FM's as well as the larger water transmission mains to identify bottlenecks in the piping networks, evaluate the remaining estimated service life, and prioritize the replacement of those pipe segments that offer the highest risk and consequence of failure. The project cost was $94,161 inclusive of IDC and cap time.

PCF-31, Sanlando GST Rehabilitations, is an open project. The contractor began work in April 2020 but had to postpone the work until late autumn or winter at the Utility's direction. This will facilitate the removal from service of each of the tanks in sequence without unduly reducing storage capacity or negatively impact the delivery of service. The project cost will be at least $194,003. As each tank is emptied and inspected, the scope of work may change if the interiors of the tanks require additional remediation effort.

PCF-32, Tierra Verde I&I Inspection, is an open project that will wrap up in December

2020. The project scope included the use of multiple autonomous video units that allowed all of the Tierra Verde collection system to be evaluated at one time. In addition, the contractor, Red Zone, inspected each manhole. Subsequently, the project scope was expanded to include remediation of two sections of 18" DIP on Pinellas Bayway that had become tuberculated with mineral deposits. Also, a segment of 6" clay gravity main was lined to avoid pipe failure caused by FDOT's road construction project at Madonna Blvd. The project cost is $219,560 inclusive of IDC and cap time.

PCF-33, Tierra Verde FM and GSM Relocations, is nearly complete. One manhole ring and cover requires adjustment in coordination with FDOT's contractor constructing a roundabout at Pinellas Bayway and Madonna Blvd. This project included the replacement of Lift Station 4's entire length of FM reflecting an increase in pipe failures caused by severe corrosion after 40 years of service. The project's budget is $593,368 inclusive of IDC and cap time with only $5,500 worth of work yet to be completed, which is scheduled to occur in the first quarter of 2021.

PCF-34, Tierra Verde Lift Station 4 Replacement, is an open project. The selected contractor, TLC Diversified, will construct a new lift station on Madonna Blvd. and then convert the wet well of the existing lift station to a flow through manhole. The work will begin in April once FDOT's contractor has restored Madonna Blvd.'s right-of-way following the construction of a roundabout at Pinellas Bayway. The station will take six months to build. Therefore, the projected completion date is September 2021. The project's construction cost is $828,922. With the addition of IDC and cap time, the total project cost will be $871,501.

PCF-35, Buena Vista Well 2 and Well 3 Improvements, is an open project that will be completed this month, December 2020. The project scope included removal and replacement of the submersible pump assembly at Well 2 that had worn out after many

years of service. At Well 3, the hydropneumatics tank was replaced, repairs were made to the wellhouse and the check valve was replaced. Total cost of the project is $80,233 inclusive of IDC and cap time.

PCF-36, Orangewood Well 1 Tank and Generator, was completed in September 2020. The project scope included replacing the hydro tank, bypass piping and valves; replacement of the emergency generator with a 50 Kw diesel generator and subbase fuel tank; removal and replacement of the well pump assembly with a submersible pump; and running a borehole log of the well. The project cost was $184,672 inclusive of IDC and cap time.

PCF-37, Seminole County Lift Station RTU Installation, is a completed project with the work finished in January 2020. Ten remote telemetry units were installed at lift stations in the Weathersfield and Ravenna Park collection systems, then integrated into UIF's SCADA system. The project cost was $96,664 inclusive of IDC and cap time.

PCF-38, Summertree Chlorine Dioxide Pilot Study, is an open project that will be completed in March or April 2021, dependent on obtaining sufficient data to determine the efficacy of using chlorine dioxide as a means to reduce the accumulation of nitrogen compounds and minerals in the piping network and thus significantly reduce the volume of water used for flushing. Bulk water supplied by Pasco County Utilities contains chloramine compounds that become problematic when there is a long detention time in the system. To minimize the buildup of ammonia, nitrite and nitrate, standard practice is to flush frequently at key locations to reduce water age and thus avoid a drop in chlorine residual caused by nitrogen compounds. The project scope included the purchase by UIF of chemical feed pumps, storage tanks, controls and monitoring equipment sized adequately to serve as a permanent installation once the pilot study shows chlorine dioxide successfully meets the objectives. In addition to the $52,000 in engineering support provided by Kimley-Horn and Associates, UIF purchased the equipment for $40,000.

PCF-39, Summertree I&I Investigation and Remediation, is an open project that is scheduled to end in March 2021. The project included a video inspection of 9,400 LF of vitreous clay gravity sewer mains in the Pointe West section of Summertree. The information gleaned from the inspection identified the need to remove roots from 1,400 LF of pipe, removal of 33 protruding hammer taps, sealing 15 manhole interiors, lining approximately 3,500 LF of pipe and installing 70 top hats in service laterals. The scope of the project was expanded from the original $28,620 for the initial cleaning and video inspection to include $335,859 in system improvements. The project's total cost is now $378,227.

PCF-40, Golden Hills Galvanized Water Main Replacement, was completed in December 2020. The project scope encompassed the replacement of nearly 2,000 LF of 2" galvanized iron water main in three cul-de-sacs, installation of 2" blowoffs in each dead end, and removal and replacement of two 3-way fire hydrants that were not operable or repairable due to their age and lack of available parts. The project cost was $80,004 inclusive of IDC and cap time.

PCF-41, Golden Hills Water Main Relocation, is a completed project. Marion County government initiated a stormwater improvement project on NW 78th Avenue that required UIF to relocate 1,350 LF of 6" water main and one fire hydrant to the opposite side of the road prior to the County's contractor beginning its work and with very little advance notice. The project was completed at a cost of $170,810 including IDC and cap time.

PCF-42, Little Wekiva Generator, is a completed project that consisted of installing a 40 Kw emergency generator and automatic transfer switch at the Little Wekiva WTP. This will reduce the frequency and duration of water outages caused by a temporary loss of normal power in a community of 61 homes. The project was completed in June 2020 at a

cost of $100,618 inclusive of IDC and cap time.

PCF-43, Park Ridge Generator, is a project completed in June 2020 that included the installation of a 60 Kw emergency generator and automatic transfer switch to maintain service to 105 customers when normal power is lost. The project cost was $103,489 inclusive of IDC and cap time.

PCF-44, Ravenna Park I&I Remediation, is an open project that is going to close in December 2020. The project included a video inspection of the whole collection system to identify all pipe deficiencies followed by installation of 6,440 LF of pipe liner, as well as root removal, manhole repairs, and excavation of collapsed pipe in multiple locations that were replaced. The project budget was expanded to $853,310 reflecting the necessity to dig up and replace additional failed pipe. The total project cost inclusive of IDC and cap time is $876,921.

PFC-45, Northwestern Bridge Water Main Relocation, is an open project that will be under way in January 2021. Seminole County government, after years of delay, informed UIF in November that the Northwestern Ave. bridge over the Little Wekiva River would be demolished on January 23, 2021. UIF will construct a temporary aerial river crossing that will allow UIF to maintain water service to the hundreds of customers on the south side of the bridge with water supplied from our WTP. This will avoid UIF having to construct an interconnect with the City of Altamonte Springs water system and the purchase of water from the City on a continuous basis while the bridge is under construction, a period of approximately 9-10 months. DEP has already issued a construction permit for the temporary bypass and our contractor will mobilize the week of January 4 to construct the bypass. Once the new bridge is finished, our contractor will install an 8" main attached to the bridge and then remove the temporary bypass. The construction and engineering cost is $140,201. With IDC and cap time included, the total project cost will be $147,054.

Q. Witness Radigan testified that he was concerned that not all of the proforma projects will be completed within 24 months of the end of the test year. Do you disagree with that statement?

A. Yes, I have provided an updated roster of all 45 proforma projects in Exhibit PCF-47. It includes the projected place in service date for those projects not yet completed. In all cases, the projects are on schedule to be completed before December 31, 2021.

Q. Can you briefly describe why you are confident to make that statement?

A. Over the last 35 years I have managed hundreds of water and wastewater capital projects that varied from the simple to complex, from small investments to multi-million-dollar projects that took years to develop and complete. Although some of the proforma will be completed late in 2021, that is for the most part by design. By spreading the projects out over time, my staff and I will be better able to keep tabs on each one and thus maximize value for the benefit of the customers and UIF.

Q. Witness Radigan indicated he is doubtful that the Mid-County Headworks project can be completed in sufficient time to be included in this proceeding. Please respond to this.

A. Witness Radigan is incorrect in stating that the Mid-County Lift Station project must be completed prior to the start of the headworks project. In fact, my staff and our engineering consultant have worked diligently with each of the two contractors to sequence the workflow on the site. For instance, in January and February 2021, the lift station contractor will relocate underground facilities from what will be the headworks equipment footprint. This will facilitate and accelerate the headworks contractor's work when that crew mobilizes in early March 2021 and commences work. At that time, the lift station contractor will shift to work elsewhere on the site. This coordinated approach will accelerate the completion date for both projects, which are sorely needed, and thus improve

the performance and reliability of the wastewater treatment process for the benefit of the community, the environment, and the ratepayer. Also, by having the two projects in process on the same site at the same time, the engineer of record can keep better tab on the progress of construction.

Q. Can you speak to witness Radigan's comments regarding the six projects listed on FWR-3 that he characterizes as CWIP, not plant in service?

A. PCF-6 is a planning document describing in detail the condition and life expectancy of the Labrador WWTP's tanks, equipment, treatment process and ancillary components. As such, it will provide guidance to UIF staff regarding the timing and extent of capital improvements to the facilities that must be made to ensure compliance with its operating permit. In other words, the information contained in the master sewer plan will be applied to the plant's operating strategy as well as guide capital investment decisions.

PCF-21 comprises a video inspection of an older portion of the Sandalhaven collection system, primarily where the gravity sewer mains are made of clay pipe. As an alternative to including this expenditure in rate base, it could be deferred and amortized over a reasonable timeframe, say five years. Although UIF has as a goal to video inspect 10% of the gravity mains each year on average, essentially a 10-year inspection cycle, it is prudent to inspect Sandalhaven's clay pipe more frequently. This reflects the historical reality in Sandalhaven that clay pipe is more prone to failure compared to PVC pipe and without warning.

PCF-26, the design, permitting and solicitation of bids to replace three critical force mains in Sanlando in their entirety reflects UIF's analysis that they are at the end of their useful life. Optimally, UIF would have included construction of the three force mains as proforma in this docket, but that would have unduly delayed the filing of our petition. Nevertheless, the engineering services covered in this project are a prerequisite to the construction of the

replacement force mains and the force main failure history indicates clearly that replacing the force mains is an immediate need. Therefore, UIF must move forward with the construction activity in 2021 for all three future projects.

PCF-30, the computer modeling of Sanlando's force main network, has been used extensively since then to identify, for example, bottlenecks in the piping network. UIF staff have used this information to modify how wastewater is routed through the system during both normal and peak demand conditions. Consequently, the Utility has substantially reduced the risk of sanitary sewer overflows during and after rain events, which benefits the customers, the environment, and the Utility. Similarly, UIF has incorporated the information provided by the analysis into an asset management plan that is the basis for planning capital investments, to identify and optimize the timing and extent of capital spending in a proactive manner. In other words, UIF is applying the work product of this project on an ongoing basis to support capital investment decisions. In that context, this proforma project is in use and should be included in rate base.

PCF-39's scope was originally limited to a video inspection of the Pointe West collection system in Summertree. However, it was readily apparent that the system contained some severe pipe deficiencies that needed to be address. Therefore, this project's budget has been substantially increased to allow for the Utility to fix those deficiencies rapidly. Therefore, this investment ought to be fully recovered.

PCF-45, the replacement of a water main crossing the Northwestern Ave. bridge over the Little Wekiva River, is no longer limited to engineering activity. Due to the accelerated construction timeframe dictated by Seminole County, the construction of a temporary bypass initially followed by a permanent connection once the bridge is replaced makes this project well qualified for recovery in full in this docket.

Q. Does that conclude your direct testimony?

A. Yes, it does.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-1) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Mike Wilson *Project Manager / Area Manager*	**Date:**	4/22/2020
Project Name:	Cypress Lakes I&I Investigation		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	248101 **CYPRESS LAKES S**	**BU Type:**	SP
Project Owner:	Patrick Flynn	**Budget Owner / RP:**	Gary Rudkin
Project Manager:	Mike Wilson	**Region:**	Florida 4
Start Date:	5/1/2020 Q2 2020	**State:**	FL
Estimated End Date:	9/30/2020 Q3 2020		
Primarily Like-For-Like Asset Replacement?			
Will project replace/retire any assets:			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**50,000**	**50,000**
Still to be Requested:			0
Total Project Budget:	**0**	**50,000**	**50,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☑ Deferred Maintenance

Description:

This project will entail the items listed.

1) Hydro-jet clean, large camera and smoke test of zone 1 and 2 of the oldest basin in the Cypress Lakes collection system, approximately 18,035 LF of 8" PVC pipe, (as identified on the map as red and green color coding). A report will be provided identifying any deficiencies in the piping that will require repairs. Work to be performed during normal business hours.

Timeline Considerations:

This project is being performed as a proforma project in the 2020 rate case for UIF.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Cypress Lakes WWTF typically treats an average of 0.109 MGD at a treatment plant with a permitted capacity of 0.190 MGD. During extended rain events that cause elevated groundwater conditions, the WWTF is treating a monthly daily average of 0.131 MGD. The history of sudden increases in influent flow indicates the high probability that portions of the system are being impacted by excess inflow and infiltration that needs to be located, characterized and corrected. This investigation will provide that information as well as define the estimated cost to cure the deficiencies, either by lining the pipe with CIPP methods or open cutting and replacing pipe segments that cannot be lined.

The inspection will also provide a condtion assessment of all manholes in zones 1 and 2.

Risk Evaluation

This evaluation will identify gravity sewer mains and manholes that are sources of excess inflow and infiltration that if not addressed would continue to be sources of significant I&I that elevate treatment costs. As well, the vast majority of the collection system is located under paved areas where a catastrophic failure of a gravity main could lead to the collapse of a paved roadway potentially leading to significant damage associated with such an event.

Alternatives Considered:

Reduce the quantity of pipe to be evaluated to decrease the project budget. However, the collection system in zones 1 and 2 has not been evaluated in at least 10 years. This is the oldest section of the system and likely to be a source of excess I&I.

Technical Review Summary:

This project has been reviewed internally by operations staff and management.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
228111	Florida-CL I&I INVESTIGATION CORRECTIO	Interest	Interest During Construction	2410-330050 Cypress Lakes Utilities Inc S	08/05/2020	28.32	28.32
55032	Florida-CL I&I INVESTIGATION CORRECTIO	Jet Cleaning	Jet Cleaning	2410-330050 Cypress Lakes Utilities Inc S	04/30/2020	8,500.00	
428094	Florida-CL I&I INVESTIGATION CORRECTIO	Jet Cleaning	Jet Cleaning	2410-330050 Cypress Lakes Utilities Inc S	11/10/2020	42,500.00	51,000.00
							51,028.32

Invoice

SPECIALIZED
PIPE TECHNOLOGIES
226 Field End Street Sarasota, FL 34240

Toll free 800-849-4610 - Fax 941-379-2160
www.sptpipe.com / CFC1428098 / EIN 47-4731308

Work Order	16249-20
Date	4/9/2020
Invoice #	INV-AUSA-5406
Due Date	4/19/2020
Tech.	
P.O. #	339089
Job Date	
Terms	Net 10
Bid Number	16249

Bill To:
Utilities Inc
500 W. Monroe Street, Suite# 3600
Chicago IL 60661
United States
(407) 948-9863
wlneal@uiwater.com

Job Name:
Cypress Lakes
10000 US Hwy 98 N
Lakeland FL 33809
United States
(407) 948-9863
lee.neal@uiwater.com

Description of Work
20% Deposit

Item Description	Amount
Customer 20% down payment	8,500.00

Please make check payable to: Specialized Pipe Technologies. Any credit card payments made over $5,000.00 will require a 3% processing fee.

All material is guaranteed to be as specific. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon delays beyond our control. Purchaser agrees to pay all costs of collection, including attorney's fees.

Total	8,500.00
Payments/Credits	0.00
Balance Due	8,500.00

Invoice

SPECIALIZED
PIPE TECHNOLOGIES
226 Field End Street Sarasota, FL 34240

Toll free 800-849-4610 - Fax 941-379-2160
www.sptpipe.com / CFC1428098 / EIN 47-4731308

Work Order	46728
Date	8/20/2020
Invoice #	INV-AUSA-6392
Due Date	8/30/2020
Tech.	BA/CM/DR
P.O. #	
Job Date	8/11/2020
Terms	Net 10
Bid Number	16249

Bill To:
Utilities Inc
500 W. Monroe Street, Suite# 3600
Chicago IL 60661
United States
(407) 948-9863
wlneal@uiwater.com

Job Name:
Cypress Lakes
10000 US Hwy 98 N
Lakeland FL 33809
United States
(407) 948-9863
lee.neal@uiwater.com

Description of Work
Work completed per bid # 16249. Report to follow with inspection results and video.

Item Description	Amount
Vac-Con, Cleaning, Large Camera Inspection & Vapor Testing	42,500.00

Please make check payable to: Specialized Pipe Technologies. Any credit card payments made over $5,000.00 will require a 3% processing fee.

All material is guaranteed to be as specific. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon delays beyond our control. Purchaser agrees to pay all costs of collection, including attorney's fees.

Total	42,500.00
Payments/Credits	0.00
Balance Due	42,500.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-2) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	5/15/2020
Project Name:	ER LS 3 & LS 8 Rehabs		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	249100 **EAGLE RIDGE**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson / Joey Norman	**Budget Owner / RP:**	Gary Rudkin
Start Date:	6/15/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	9/30/2020 Q3 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**81,890**	**81,890**
Still to be Requested:			0
Total Project Budget:	**0**	**81,890**	**81,890**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project includes the following elements:

1) Set up 100% bypass pumping with MOT as necessary.
2) Remove existing to pumps to be reinstalled.
3) Remove existing bases, discharge piping, valves, rails and control panel.
4) Sandblast and coat existing wet well with two part epoxy.
5) Supply and install new 4" base elbows mounted on base plates.
6) Supply and install new 4" HDPE discharge riser piping in the wet well through the wall to MJ ductile connections in the ground.
7) Supply and install new epoxy-lined ductile iron pipe through valve vault with new 4" Valmatic check valves, Dezurik plug valves, and 3" emergency bypass pump-out connection.
8) Move all check and plug valves above grade, demo exiting valve boxes.
9) Connect to existing 4" force main.
10) Supply and install new guide rails, upper guide rail brackets and float switches. Reinstall existing pumps.
11) Install new concrete 6' X 6' pad to encapsulate new above ground DIP piping for structural support.
12) Backfill, compact, and fine grade disturbed area. Sod disturbed areas to match existing grass.

Timeline Considerations:

Both stations have degraded valves in the valve vault as a result of ground water penetration. This also cause some I & I issues with LS 3.
LS 8 does not drain to the wetwell, however it holds water to the top of the valve vault. Both of these stations are in an area of high ground water. These issues have contributed over the years to component failure.

Inter-dependent Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Both stations currently have valve and check valve problems due to corrosion after many years of service. LS 3 was built in 1984. LS 8 was built in 1990. Additionally, there is no drain in the vault resulting in rain water filling up the vault and making the valves less accessible when needed. By relocating the check and isolation valves from the vault to an above ground piping arrangement, the valves will be readily accessible without having to attempt to core drill the valve vault and wet well in very limited space. LS 3 is in an area of mature landscaping that provides visual buffer that minimizes the impact of having the valve assemblies above ground.

Risk Evaluation

Should the stations remain in their current state of disrepair leaks and possible pipe failure would result in environmental impacts and possible regulatory fines.

Alternatives Considered:

Leave the valve vaults underground. This would require floors be poured in the valve vaults and sealing of the valve vault walls, or complete replacement of the valve vaults with pre-cast assemblies and new lids. This would drive up the costs of the project and still allow the possiblity of I & I through the valve vault lids during flooding in the area.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
228112	Florida-ER LS 3 & LS 8 REHABS	Captime	Captime	2410-330060 Eagle Ridge	08/11/2020	35.03	35.03
258080	Florida-ER LS 3 & LS 8 REHABS	Interest	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	16.97	
258093	Florida-ER LS 3 & LS 8 REHABS	Interest	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	32.37	49.34
243027	Florida-ER LS 3 & LS 8 REHABS	Modification/Lift Stn	Modification/Lift Stn	2410-330060 Eagle Ridge	07/27/2020	38,945.18	
243021	Florida-ER LS 3 & LS 8 REHABS	Modification/Lift Stn	Modification/Lift Stn	2410-330060 Eagle Ridge	07/27/2020	38,945.18	
230013	Florida-ER LS 3 & LS 8 REHABS	Modification/Lift Stn	Modification/Lift Stn	2410-330060 Eagle Ridge	08/27/2020	4,301.25	82,191.61
							82,275.98

INNOVATIVE CONTRACTORS

ESTIMATE

Date	Estimate #
7/7/2020	3818

Customer:

Utilities, Inc.
Joey Norman
200 Weathersfield Avenue
Altamonte Springs, Florida 32714

Project:

Work Order #	Rep

General Contractor: CGC1527276
Plumbing Contractor: CFC1428400
Underground Utility Contractor: CUC1224694

Description
Service to rehab Eagle Ridge LS #3 to include replacing base elbows, base plates, HDPE standpipes, above ground valve assembly, guide rails, guide rail brackets, core wet well lid, tie in to existing force main, paint with two part epoxy. Innovative will pull valve vault lid, drill bottom floor, backfill and pour slab under new above ground assembly. * Includes: - Epoxy Coated Valves & P401 lined pipe and fittings - By-pass pump and call box Labor - $ 19,665.00 Materials - $ 19,280.18

Subtotal	$38,945.18
Sales Tax (0.0%)	$0.00
Total	**$38,945.18**

THIS ESTIMATE IS VALID FOR 30 DAYS

7/7/2020

7/18/2020

PO Box 1545 * Osprey, Florida 34229 * (941) 375-8668 * Fax (941) 375-8698 * info@innovative-contractors.com

INNOVATIVE CONTRACTORS

ESTIMATE

Date	Estimate #
7/7/2020	3821

Customer:

Utilities, Inc.
Joey Norman
200 Weathersfield Avenue
Altamonte Springs, Florida 32714

Project:

General Contractor: CGC1527276
Plumbing Contractor: CFC1428400
Underground Utility Contractor: CUC1224694

Work Order #	Rep

Description
Service to rehab Eagle Ridge LS #8 to include replacing base elbows, base plates, HDPE standpipes, above ground valve assembly, guide rails, guide rail brackets, core wet well lid, tie in to existing force main, paint with two part epoxy. Innovative will pull valve vault lid, drill bottom floor, backfill and pour slab under new above ground assembly. * Includes: - Epoxy Coated Valves & P401 lined pipe and fittings - By-pass pump and call box - No Retainage to be held at the time of invoicing Labor - $ 19,665.00 Materials - $ 19,280.18

Subtotal	$38,945.18
Sales Tax (0.0%)	$0.00
Total	**$38,945.18**

THIS ESTIMATE IS VALID FOR 30 DAYS

7/7/2020

Joey Norman 7/18/2020

PO Box 1545 * Osprey, Florida 34229 * (941) 375-8668 * Fax (941) 375-8698 * info@innovative-contractors.com

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-3) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019xxx
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	2/2/2019
Project Name:	Eagle Ridge - Lift Station RTU Installation		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	249100 **EAGLE RIDGE**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Mike Wilson	**Budget Owner / RP:**	John Hoy
Start Date:	3/1/2019 Q1 2019	**Region:**	Florida 4
Estimated End Date:	7/1/2020 Q3 2020	**State:**	FL
Primarily Like-For-Like Asset Replacment?	No		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**49,000**	**180,000**	**229,000**
Still to be Requested:			0
Total Project Budget:	**49,000**	**180,000**	**229,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will include:
1. The installation of 13 lift station RTU's (11 in Eagle Ridge and 2 in Cross Creek)
2. The configuration of the existing Eagle Ridge WWTP SCADA
3. The establishment of the Cross Creek WWTP SCADA system
4. Engineering services including design and construction oversight.

All of the above will be integrated into the existing VT SCADA system in place at Lake Groves and Wekiva Plants. This configuration and installation of equipment will allow for full monitoring capabilities over the VT SCADA systems throughout UIF. The system will also provide monitoring and dispatch capabilities during major inclement weather events.

Timeline Considerations:

This project will be included in the next rate case, presumably 2020.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Installation of these units and the incorporation of the two plants into the VT SCADA system will increase the ability to closely monitor all lift stations and treatment plants during inclement or hurricane type weather conditions. Monitoring can be performed at four different UIF facilities that are at significant distance from each other, as well as by laptop or tablet. The installation of this system will help coordinate the deployment of personnel and resources pre- and post-storm events, which will reduce the lag time during recovery efforts. After severe weather passes through, personnel will be poised to respond rapidly to assess damage and begin restoration of service to customers. Lift station levels monitored by SCADA will indicate which facilities require emergency equipment such as generators, pumps and vactor type equipment should stations be without power, thus improving effeciencies and use of manpower.

Risk Evaluation

After hurricane Irma, UIF operations staff met with Florida DEP staff to review lessons learned from Irma. Severe localized flooding and extended power outages inundated portions of the collection systems that delayed the restoration of wastewater service to the customers, heightened the risk of health, safety and environmental hazards, and increased the cost of recovery. It was determined that SCADA will improve response and recovery times substantially. By installing liquid level transducers in each wet well, lift station levels will be remotely monitored and provide for a much more efficient deployment of resources and manpower by prioritizing the stations with the greatest flow and/or shortest storage time between pump cycles.
By continuing as is we risk the consumption of our most valuable asset during a storm, and that would be manpower. Recovery after a storm requires long hard work hours that stress manpower and equipment. The stress can lead to accidents and fatigue. SCADA provides an opportunity to help reduce some of that stress and fatigue, and reduces the posibilities of overflows and spills.

Alternatives Considered:

Technical Review Summary:

VT SCADA is sole sourced through Sanders Co. so as to leverage existing SCADA investment in our larger central Florida systems (LUSI, Lake Groves, Wekiva). By utilizing VT SCADA throughout, all systems will be incoporated into one viewable system while also offering the opportunity to add SCADA equipment in other systems in the future.

The implementation of SCADA on the lift stations was reviewed with staff and through FDEP and is currently in use throughout many Florida systems.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
22418	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	200.00	
22419	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	100.00	
22444	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	100.00	
22445	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	100.00	
22446	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	100.00	
22417	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	04/15/2019	100.00	
31834	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	07/31/2019	50.00	
31835	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	07/31/2019	50.00	
39849	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	09/30/2019	346.24	
65529	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	05/15/2020	75.00	
65531	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Captime	2410-330060 Eagle Ridge	05/15/2020	369.92	1,591.16
19925	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	03/31/2019	2,280.00	
19926	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	03/31/2019	3,782.00	
19927	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	03/31/2019	5,004.00	
19928	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	03/31/2019	16,292.00	
19929	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	03/31/2019	2,502.00	
22416	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	04/09/2019	18,055.16	
31831	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	07/23/2019	10.41	
31832	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	07/23/2019	51.28	
31833	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	07/23/2019	6.42	
39850	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	09/12/2019	115,813.87	
272038	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Equipment	2410-330060 Eagle Ridge	09/15/2020	46,804.80	210,601.94
19930	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	03/31/2019	224.70	
22447	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	04/30/2019	365.83	
25204	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	05/31/2019	365.83	
28105	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2019	365.83	
31830	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2019	367.09	
36485	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2019	367.09	
39848	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	09/30/2019	1,238.59	
42547	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	10/31/2019	1,241.20	
96089	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	-1,241.20	
94300	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	1,241.20	
45176	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	1,241.20	
47790	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	12/31/2019	1,241.20	
49600	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	01/31/2020	1,241.20	
51139	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	02/29/2020	1,241.20	
53336	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	03/31/2020	1,241.20	
54893	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	04/30/2020	1,241.20	
64041	Florida-EAGLE RIDGE - LIFT STATION RTU	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	05/31/2020	1,244.55	
152008	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	13.55	
152009	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	1,232.57	
195158	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	13.55	
195159	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	1,232.57	
258121	Florida-EAGLE RIDGE - LIFT STATION RTU	Captime	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	13.55	
258112	Florida-EAGLE RIDGE - LIFT STATION RTU	Equipment	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	1,232.57	16,966.27
						229,159.37	229,159.37

April 5th, 2018

Mr. Michael A. Wilson
Utilities, Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, Florida 32714-4027

Re: Eagle Ridge WWTP SCADA
Improvements Utilities Inc. of Florida

Dear Mr. Wilson:

We are pleased to submit our proposal for electrical engineering services for the design and construction administration services for the above project. The following serves to provide an overview of the engineering services Bailey Engineering Consultants, Inc. (BEC) intends to furnish on the above referenced project and provides the agreed upon lump sum fee proposal. Our scope of work will include the following:

Task 1 – Project Management:

1. Two (2) meetings with Utilities Inc. (UI) to discuss System requirements. UI desires to connect the plant I/O at the Eagle Ridge WWTP and the Cross Creek WWTP to a new PLC based HMI SCADA System.

Task 2 – Preparation of Contract Documents

1. Engineering design to provide a PC based HMI monitoring and control system as required to integrate the Eagle Ridge WWTP and the Cross Creek WWTP into a single SCADA data base. Work includes:
    - Develop graphic screen outlines.
    - Develop report requirements.
    - Prepare 60% and 100% design submittals.
2. Engineering design to add RTUs at 11 Eagle Ridge lift stations.
3. Engineering design to add RTUs at 2 Cross Creek lift stations.

Bailey Engineering Consultants, Inc. (BEC) will perform project administration and provide professional services during the construction phase. BEC shall not have authority or responsibility to supervise, direct, or control the Contractor's work or the Contractor's means and methods, techniques, sequences, or procedures of construction. BEC shall not have authority or

responsibility for safety precautions and programs incident to the Contractor's work or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor furnishing and performing the work. BEC shop drawing reviews shall not relieve the Contractor of any of their contractual responsibilities. Specific services to be performed by Consultant are as follows:

Task 3– Bidding Services:

1. Pre-Bid Meeting - BEC shall attend one (1) pre-bid meeting.
2. Prepare Bid Addendum - BEC shall assist in preparing bid addenda to address/respond to questions and comments submitted to the City by prospective bidders.
3. BEC shall prepare conformed documents based on all addenda items.
4. BEC shall assist with the bid evaluation.

Task 4 - Construction Services

1. Shop Drawing Review - Review and approve (or take other appropriate action in respect of) Shop Drawings and samples, the results of tests and inspections and other data which each Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents (but such review and approval or other action shall not exceed to means, methods, sequences, techniques or procedures of construction or to safety precautions and programs incident thereto); and receive and review (for general content as required by the Specifications) maintenance and operating schedules and instruction, guarantees, bonds and certificates of inspection which are to be assembled by Contractor(s) is in accordance with the Contract Documents.
2. Issue Clarifications - Issue all instructions of OWNER to Contractor(s); issue necessary interpretations and clarifications of the Contract Documents; have authority, as OWNER's representative to require special inspection or testing of the work; act as initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the work thereunder, and make decisions on all claims of OWNER and Contractor(s) relating to the acceptability of the work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of the work. The ENGINEER shall render all interpretations or decisions in good faith and in accordance with the requirements of the Contract Documents.
3. Site Visits – Make site visits to observe, as an experienced and qualified professional, the progress and quality of the executed work of Contractor(s) and to determine in general if such work is proceeding in accordance with the Contract Documents. Prepare trip reports to document observations made during these inspections. ENGINEER shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) or the safety precautions and programs incident to the work of Contractor(s). ENGINEER's efforts will be directed toward providing a

greater degree of confidence for OWNER that the completed work of Contractor(s) will conform to the Contract Drawings, but ENGINEER shall not be responsible for the failure of Contractor(s) to perform the work in accordance with the Contract Drawings. During such visits and on the basis of on-site observations, ENGINEER shall keep OWNER informed of the progress of the work, shall endeavor to guard OWNER against defects and deficiencies in such work and may disapprove or reject work failing to conform to the Contract Documents. Consultant will provide to the City a list of items to be completed, if any.

4. Record Drawings – BEC shall provide record drawings based on Contractor provided information.

SUPPLEMENTAL SERVICES - Any work requested by the City that is not included in one of the items listed in any other phase will be classified as supplemental services.

Our scope of services shall include the design and construction administration services as outlined above and shall be performed on a lump sum basis, billed at monthly intervals. Our fee for this work shall be $48,920.00. The attached spreadsheet shows the hourly breakdown of our work.

Sincerely,

ACCEPTED _____ DATE 4/17/18

UI-18-001DG

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

SCOPE OF SUPPLY

Date: February 12, 2019

Project: CC and ER WWTP

Attention: Mike Wilson

In accordance with the attached Terms and Conditions, Sanders Company is pleased to offer the following materials/services for the above referenced project.

PRICE, DELIVERY AND TERMS OF OFFERING

Prices submitted are for equipment/services specifically listed within this Scope of Supply which constitute our complete offering.
Sanders Company will provide equipment per the following scope.
Thirteen (13) lift station RTUs installed in the existing panels.
These RTUs will communicate via cellular text messaging and contain Scitext 1062 controller, power supply, battery, submersible level transducer, surge arrestor, and antenna.
One (1) Scitext PLUS to poll all LSs and provide a data tunnel to VT Scada.
Communicate with existing Koyo PLC located at both WWTPs via data tunnel to VT Scada servers in Lake Groves plant.

LIFT STATIONS

13 each

Tag No.	Description	Type Discrete: On/Off	Analog: Range	
LSH 01*0 P.S.	High Level Status	DI	Normal	High
ESL 01*7 P.S.	Station Power Status	DI	Normal	Loss
YS 01*9 P.S.	Station Intrusion Status	DI	Normal	Intrusion
RS 01*1 Pump1	Running Status	DI	Stopped	Running
TSH 01*1 Pump1	Motor Temperature	DI	Normal	High
XS 01*1 Pump 1	IN Auto	DI	Auto	Not Auto
YS 01*1 Pump 1or2	Leak Status	DI	Normal	Leak
RS 01*2 Pump 2	Running Status	DI	Stopped	Running
TSH 01*2 Pump 2	Motor Temperature	DI	Normal	High
XS 01*2 Pump 2	IN Auto	DI	Auto	Not Auto
LSR 01*0 P.S.	Redundant Control	DI	Normal	Active
LT 01*0 P.S.	Wetwell Level	AI	0-34.6’	
PC 01*1 Pump1	Pump Call	DO	Stopped	Called
PC 01*1 Pump1	Pump Call	DO	Stopped	Called

1 each
Scitext PLUS polling master in Nema 12 enclosure with 2 modems and UPS

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

WWTP Communication
NOTE Koyo PLC IO address list and network by others.
Sanders Company will build screens and configure VT Scada to monitor and control the WWTPs thru existing Koyo PLC system. A converter will be provided to convirt Modbus RTU to Modbus TCP IP.

NETWORK
2 – Endian mini-25 routers
2 – Cisco 4321 firewalls
Configuration of network to allow tunnels to Cross Creek and Eagle Ridge WWTPs
1 – Dell Precision desktop with 27" monitor and UPS.

NOTE recommended option of additional Dell for ER WWTP $ 1,655.00

PRICE: $ 157,966.00 Total PLUS TAX if applicable. FOB factory with freight allowed to jobsite, shipped via standard commercial carrier.

DELIVERY: 11-13 weeks after complete and acceptable approval is received in the Stuart offices of Sanders Company, Inc.

TERMS OF PAYMENT
Based on initial and continuing credit approval by Sanders Company, Inc., the following payment terms apply: Net 30

- NO HOLDBACK (RETAINAGE) provision is offered or allowed

SCI form 575 Terms and Conditions, which is attached, is an integral part of this offering.

Note payment via credit card on orders over $10,000 will incur a 3% adder.

Thank you for the opportunity to offer this Scope of Supply.
Please contact me with any questions and/or comments regarding this offering.

Ron Robinette
Sales
Cell 321-229-7643 Stuart office 800-247-0880 Ron@Mrsewage.com

SANDERS
COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

TERMS AND CONDITIONS

Sanders Company, Inc.
2816 SE Monroe St
Stuart, Fl 34997

AN ORDER WILL CONSTITUTE A CONTRACT BETWEEN THE COMPANY AND THE BUYER WHEN ACCEPTED IN WRITING BY THE COMPANY AT ITS HOME OFFICE IN STUART FLORIDA. A CONTRACT RESULTING FROM THE ACCEPTANCE OF AN ORDER MAY BE CANCELED OR ALTERED BY THE BUYER ONLY IF AGREED TO IN WRITING BY THE COMPANY AT ITS HOME OFFICE SUBJECT TO PAYMENT OF REAONABLE CHARGES NECESSARY TO PROTECT THE COMPANY FROM LOSS. UNTIL ACCEPTED, AS PROVIDED HEREIN, AN ORDER SHALL CONSTITUTE AN OFFER TO PURCHASE. NEITHER THE ACCEPTANCE OF ANY DEPOSIT MADE WITH AN ORDER NOR THE CASHING OF ANY CHECK OR OTHER INSTRUMENT THEREFOR, NOR THE HOLDING OF SUCH DEPOSIT BY THECOMPANY SHALL BE DEEMED AN ACCEPTANCE OF AN ORDER, BUT IF THE ORDER IS NOT ACCEPTED, THE COMPANY WILL PROMPTLY REFUND SUCH DEPOSIT. THE COMPANY SHALL NOT BE LIABLE FOR ANY FAILURE TO MAKE DELIVERY OR OTHER DEFAULT BY REASON OF ANY OCCURRENCE OR CONTINGENCY BEYOND THE REASONABLE CONTROL OF THE COMPANY OR OF ANY OF ITS SOURCES OF SUPPLY. IN THE EVENT OF ANY SUCH OCCURRENCE OR CONTINGENCY THE COMPANY MAY EXTEND DELIVERY SCHEDULES OR MAY, AT ITS OPTION, CANCEL THE ORDER IN WHOLE OR IN PART WITHOUT LIABILITY OTHER THAN TO RETURN ANY DEPOSIT OR PRE-PAYMENT. SHOULD THE WHOLE ORDER BE CANCELED, THE BUYER WILL REIMBURSE THE COMPANY FOR ALL TAXES, EXPENSES AND SIMILAR CHARGES BASED UPON OR MEASURED BY THE PRODUCTION, STORAGE, SALE, TRANSPORTATION OR USE OF THE PRODUCTS DESCRIBED HEREIN.THE COMPANY SHALL NOT BE BOUND BY ANY TERMS, CONDITIONS, OR REPRESENTATIONS WHICH ARE NOT STATED HEREIN. THE COMPANY SHALL NOT BE OBLIGATED TO PERFORM HEREUNDER IF AT ANY TIME: BUYER'S CREDIT RATING BECOMES IMPAIRED. THE COMPANY SHALL RETAIN A SECURITY INTEREST IN THE PRODUCTS/SERVICES SUPPLIED HEREUNDER TO SECURE PERFORMACE OF BUYER'S OBLIGATIONS AND BUYER SHALL EXECUTE ALL FINANCING STATEMENTS AND OTHER INSTRUMENTS THAT THE COMPANY DEEMS NECESSARY TO PERFECT ITS SECURITY INTEREST. IF THE BUYER DEFAULTS IN ANY OF ITS OBLIGATIONS HEREUNDER OR IS UNABLE TO PAY ITS DEBTS AS THEY MATURE, THE COMPANY SHALL HAVE THE RIGHT TO REPOSSESS THE PRODUCTS WITH OR WITHOUT RESORT TO LEGAL PROCESS. ACCEPTANCE OF THIS SUBMISSION ACKNOWLEDGES THAT EQUIPMENT LISTED IS IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS OR IS ACCEPTED AS AN EQUAL TO THE PLANS AND SPECIFICATIONS. **THE FOREGOING TERMS AND CONDITIONS WILL PREVAIL NOTWITHSTANDING ANY VARIANCE WITH THE TERMS AND CONDITIONS OF BUYER'S ORDER FOR THE PRODUCTS.**

SCLEZE

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-4) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2019xxx

Requested by: Michael Wilson
Project Manager / Area Manager

Date: 7/24/2019

Project Name: Eng - Eagle Ridge WWTP Variance & LDO

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 249100 **EAGLE RIDGE**

BU Type: SP

Project Owner: Patrick Flynn

Budget Owner / RP: John Hoy

Project Manager: Michael Wilson

Region: Florida 4

Start Date: 10/1/2018 Q4 2018

State: FL

Estimated End Date: 12/31/2019 Q4 2019

Primarily Like-For-Like Asset Replacment? No

Will project replace/retire any assets: No

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**94,600**		**94,600**
Still to be Requested:			0
Total Project Budget:	**94,600**	**0**	**94,600**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will entail engineering services to obtain a setback variance and a Limited Development Order (LDO) issued by Lee County regarding the 2016 project to replace the Eagle Ridge WWTP surge tank, modular office and chlorine storage building. The LDO will require:

1. The installation of privacy fencing.
   a. 870 LF of 8' high decorative fence @ $130/LF including two double gates.
   b. 790 LF of 8' high PVC or chain link fence.
2. Removal of exotic/invasive vegetation throughout the WWTP site (clearing and grubbing).
3. Replacement of the exotic vegetation with native vegetation in conformance with Lee Count code.

The engineering services to be provided in this CPinclude:

Task 1. Site plans.
Task 2. Landscape/exotic vegetation removal plan.
Task 3. Topographic & tree survey.
Task 4. Permitting.
Task 5. Boundary survey.
Task 6. Additional permitting and design services including: support for obtaining the land use variance, attendance and support at a public hearing, resubmittal of Limited Development Order, coordination with Eagle Ridge HOA board, assist with obtaining building permit, provide probable costs for the construction elements, support bidding process.

Timeline Considerations:

A county NOV was issued on 10/5/2018 regarding the construction of a new surge tank and office facility on the WWTP site without first obtaining county site plan approval. The utility has requested and received an 11/21/2019 date to complete improvements. Extensions by the county may be requested if needed.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The construction of a new surge tank, field office and chemical building in 2017 without first obtaining site plan approval triggered a notice of violation of county code. The need to remove invasive plant species from the treatment plant site is a requirement of Lee County's land use code. By removing the invasives and planting native species installed accordingly, the utility will reduce the risk of damage to the facilities caused by high winds.

To gain support for a variance from the county setback requirements of 100' from the property line (the surge tank is set back by 85'), the project entails the design and construction of an 8' high decorative fence to provide visual buffer of the plant structures from Aeries Way after removal of the invasive tree species. Native plant materials will be planted along Aeries Way in front of the new fence, which will provide additional buffer as the plants mature.

Per DEP rule, the plant site must be secured with a fence. A significant portion of the original chain link fence was damaged by high winds from H. Irma, particularly on the west side of the property, and must be replaced with fence material that meets minimum county code requirements (chain linke or PVC). Non-decorative fence material will be installed on the west property line, which is not in view of any neighbors.

Risk Evaluation

By removing the large invasive trees which are predominantly melaleucas (paper trees), we would reduce the risk of damage to the treatment facilities while improving overall site appearance and security. Many of the melaleucas are at risk of falling during high wind events.

Alternatives Considered:

The current plan is the minimal plan to meet the counties development criteria. As part of the negotiations with the county our engineering firm has been instructed to minimize this project as much as possible.

Technical Review Summary:

Kimley Horn Engineering has provided technical review. Initialy the county was requiring a sidewalk in front of the facility along the roadway as part of the improvements. The sidewalk has been removed from the improvements.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
38993	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	09/15/2019	187.00	
38990	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	09/30/2019	346.24	
38991	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	09/30/2019	346.24	
38994	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	09/30/2019	100.00	
44191	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	10/15/2019	100.00	
44190	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	10/15/2019	100.00	
44228	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	10/15/2019	200.00	
33405	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	10/31/2019	100.00	
33406	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	10/31/2019	100.00	
45513	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	11/15/2019	100.00	
45926	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	11/30/2019	50.00	
45963	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	11/30/2019	50.00	
44985	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Captime	Captime	2410-330060 Eagle Ridge	12/15/2019	100.00	1,879.48
183061	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	07/21/2020	11.17	
195161	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	464.34	
258117	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	464.34	
38248	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	09/30/2019	2.24	
42755	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	10/31/2019	756.77	
96094	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	-784.72	
94041	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	784.72	
45658	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	11/30/2019	784.72	
44982	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	12/31/2019	801.55	
49458	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	01/31/2020	919.13	
50232	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	02/29/2020	949.23	
53344	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	03/31/2020	949.23	
54990	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	04/30/2020	987.92	
63937	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	05/31/2020	1,008.31	
152010	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	17.30	
152011	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	321.26	
152012	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	672.91	
195160	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	20.09	
195162	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	672.91	
258101	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	20.09	
258078	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	672.91	10,485.25
38992	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	09/24/2019	11.06	
38249	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	09/30/2019	9,000.00	
33765	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	10/21/2019	554.30	
45606	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	11/05/2019	3,500.00	
45336	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	11/19/2019	5.98	
45704	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	11/19/2019	8.30	
44983	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	12/11/2019	2,000.00	
44984	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	12/11/2019	135.75	
49459	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	01/21/2020	15,625.80	
50233	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	02/24/2020	4,000.00	
53032	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	03/31/2020	2,500.00	
54776	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	04/06/2020	2,641.45	
65818	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	05/14/2020	2,709.40	
158385	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Engineering	Engineering	2410-330060 Eagle Ridge	07/16/2020	19,003.22	61,695.26
38987	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	7,578.27	
38984	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	6,940.84	
38985	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	1,496.08	
38986	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	13,945.83	
38988	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	1,644.06	
38989	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	4,091.56	
38250	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	3,642.76	
38251	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	19,875.00	
38252	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	15,822.12	
38253	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	1,417.96	
38254	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	5,482.28	
38255	Florida-ENG - EAGLE RIDGE WWTP VARIANC	Transfer to Fixed Assets	Transfer to Fixed Assets	2410-330060 Eagle Ridge	09/30/2019	7,486.08	89,422.84
							163,482.83

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-5) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019XXX
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	11/21/2019
Project Name:	ER WWTP Tree removal & Fencing		
Company:	249 UTILITIES, INC. OF FLORIDA		
Business Unit:	249100 **EAGLE RIDGE**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	John Hoy
Start Date:	11/29/2019 Q4 2019	**Region:**	Florida 4
Estimated End Date:	3/31/2020 Q1 2020	**State:**	FL
Primarily Like-For-Like Asset Replacment?	No		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**637,000**	**637,000**
Still to be Requested:			0
Total Project Budget:	**0**	**637,000**	**637,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will entail:

1. The installation of privacy fencing consisting of 1,176 LF of 9' high decorative fence @ $198.76/LF
2. One 12' electricly operated entrance gate.
3. One 12' manually opened double gate at the north property entrance.
4. Removal of exotic/invasive vegetation throughout the WWTP site/property (clearing and grubbing).
5. Replacement of the exotic vegetation with native vegetation in conformance with Lee County code requirements.
6. Installation of reuse irrigation system to stabilize newly installed native vegetation.

Timeline Considerations:

A county NOV was issued on 10/5/2018 regarding the construction of a new surge tank and office facility on the WWTP site without first obtaining county site plan approval. The utility has requested and received an 11/21/2019 date to complete improvements. A time extension sufficient to allow for the removal of the invasive species and erection of the new privacy fence has been requested and is likely to be issued.
Lee County will require completion of the improvements timely.

Inter-dependant Project Project Number: 2019125 Project Name Eng - Eagle Ridge WWTP Variance & LDO (If applicable)

Have engineering evaluations been performed? Yes Engineering project number 2019125 (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The construction of a new surge tank, field office and chemical building in 2017 without first obtaining site plan approval triggered a notice of violation of county code. The need to remove invasive plant species from the treatment plant site is a requirement of Lee County's land use code. By removing the invasives and planting native species along the fence line to establish a visual buffer, the utility will become compliant with county code requirements.

To gain support for a variance from the county setback requirements of 100' from the property line (the surge tank is set back by 85'), the project entails the design and construction of a 9' high decorative fence to provide visual buffer of the plant structures from Aeries Way after removal of the invasive tree species. Native plant materials will be planted along Aeries Way in front of the new fence, which will provide additional buffer as the plants mature.

Per DEP rule, the plant site must be secured with a fence. A significant portion of the original chain link fence was damaged by high winds from H. Irma, particularly on the west side of the property, and must be replaced with fence material that meets the required county code requirements.

Risk Evaluation

By removing the large invasive trees which are predominantly melaleucas (paper trees), we would reduce the risk of damage to the treatment facilities while improving overall site appearance and security. Many of the melaleucas are at risk of falling during high wind events. The decorative fence is designed to withstand high wnds without incurring damage.

Alternatives Considered:

The current plan is the minimal plan to meet the counties development criteria. As part of the negotiations with the county our engineering firm has been instructed to minimize the project cost as much as possible.

Utility staff and the engineer met with the Eagle Ridge POA leadership to solicit input regarding the fence design with the goal of gaining support from the POA during the variance request process. The POA president's presence and support for the proposed design was beneficial in securing the variance.

Technical Review Summary:

Kimley Horn Engineering has provided technical review. Initialy the county was requiring a sidewalk in front of the facility along the roadway as part of the improvements. The sidewalk has been removed from the improvements since no sidewalks are evident anywhere in the community.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
47091	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	12/15/2019	361.44	
50274	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	361.44	
50279	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	135.54	
50273	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	361.44	
50277	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	90.36	
50278	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	135.54	
50280	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	180.72	
50272	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	361.44	
50275	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	100.00	
50276	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/15/2020	100.00	
50281	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/29/2020	200.00	
50282	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/29/2020	361.44	
50283	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	02/29/2020	361.44	
48753	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/15/2020	180.72	
48752	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/15/2020	100.00	
48754	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/15/2020	180.72	
48755	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/15/2020	361.44	
48756	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/15/2020	361.44	
52593	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	180.72	
52917	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	361.44	
53036	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	102.00	
53037	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	102.00	
53038	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	102.00	
53040	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	102.00	
53054	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	135.54	
53055	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	135.54	
53056	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	135.54	
53057	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	135.54	
53094	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	180.72	
53095	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	135.54	
53039	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	102.00	
52553	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	100.00	
52590	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	100.00	
52592	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	361.44	
52591	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	200.00	
52915	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	361.44	
52916	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	03/31/2020	361.44	
54506	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/15/2020	100.00	
54507	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/15/2020	100.00	
54508	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/15/2020	361.44	
54509	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/15/2020	100.00	
54510	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/15/2020	361.44	
54099	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/30/2020	361.44	
54100	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/30/2020	100.00	
54101	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/30/2020	100.00	
54102	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/30/2020	100.00	
54103	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	04/30/2020	200.00	
63704	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	05/15/2020	361.44	
65530	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	05/15/2020	105.00	
63703	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	05/15/2020	200.00	
65426	Florida-ER WWTP TREE REMOVAL/FENCING	Captime	Captime	2410-330060 Eagle Ridge	05/31/2020	369.92	10,610.70
47087	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	12/31/2019	882.21	
46643	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	01/31/2020	1,860.16	
50268	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	02/29/2020	3,603.20	
53372	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	03/31/2020	3,954.45	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
54754	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	04/30/2020	4,771.87	
64452	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	05/31/2020	4,798.61	
152017	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	82.63	
152018	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	06/30/2020	4,718.76	
195167	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	83.42	
195168	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	07/31/2020	4,718.76	
258082	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	83.42	
258089	Florida-ER WWTP TREE REMOVAL/FENCING	Interest During Construction	Interest During Construction	2410-330060 Eagle Ridge	08/31/2020	5,005.44	34,562.93
47090	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	12/18/2019	116,876.00	
47088	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	12/31/2019	93,501.00	
47089	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	12/31/2019	36,404.00	
46641	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/01/2020	-93,501.00	
46642	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/01/2020	-36,404.00	
46644	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/02/2020	36,404.00	
46645	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/13/2020	93,501.00	
46646	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/28/2020	9.41	
46647	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	01/28/2020	46.00	
50269	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	02/03/2020	23,375.00	
50270	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	02/24/2020	4,008.50	
50271	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	02/28/2020	201,500.00	
53145	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	03/24/2020	44,550.50	
53232	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	03/31/2020	3,175.00	
54750	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	5.95	
54795	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	54.00	
54796	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	20.90	
54797	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	15.45	
54798	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	14.29	
54787	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	8.41	
54788	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	20.10	
54789	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	45.00	
54790	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	7.45	
54791	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	7.25	
54792	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	11.69	
54793	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	10.95	
54794	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	6.84	
54835	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	9.98	
54836	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	7.45	
54837	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	5.32	
54838	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/07/2020	16.46	
55069	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/20/2020	100,848.30	
55029	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/30/2020	1,517.63	
55030	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	04/30/2020	961.55	
63364	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	05/26/2020	6.81	
63360	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	05/26/2020	7.02	
63362	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	05/26/2020	8.19	
63366	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	05/26/2020	7.45	
63419	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	05/26/2020	8.08	
157023	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	06/12/2020	2,000.00	
230010	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	08/13/2020	38,096.20	
468001	Florida-ER WWTP TREE REMOVAL/FENCING	Site Work	Site Work	2410-330060 Eagle Ridge	11/30/2020	-8,550.00	658,624.13
							703,797.76

Eagle Ridge WWTP Clearing and Grubbing				1 Davey 5515 Yawl St. Naples, FL 34109		2 Johnson's Tree Service Naples, Bonita Springs, Ft. Myers, and Estero		3 C&C Tree Service Fence Builders P.O. Box 306 Highland City, FL 33846	
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	1	LS	$ -	$ -	$ -	$ -	$ -	$ -
2	Removal and Dispose of Exotic Vegetation	1	LS	$ 189,000.00	$ 189,000.00	$ -	$ -	$ -	$ -
3	Erosion and Sediment Control	1	LS	$ 5,000.00	$ 5,000.00	$ -	$ -	$ -	$ -
		BID TOTAL (ITEMS 1-3)			$ 194,000.00		**NO BID**		**NO BID**

Eagle Ridge WWTP Fencing Removal and Installation				1 C&C Tree Service Fence Builders P.O. Box 306 Highland City, FL 33846		2 Revolution Fence Company 1445 Del Rio Dr Fort Myers, FL 33901	
ITEM	**DESCRIPTION**	**EST. QTY.**	**U/M**	**BID PRICE PER UNIT**	**TOTAL BID PRICE**	**BID PRICE PER UNIT**	**TOTAL BID PRICE**
1	Mobilization	1	LS	$ 9,960.00	$ 9,960.00	-	-
2	6 FT Chainlink Fence (Material and Installation)	540	LF	$ 28.00	$ 15,120.00	-	-
3	9 FT Simulated Stone Fence (Installation)	1120	LF	$ 23.00	$ 25,760.00	-	-
4	9 FT by 12 FT Wide Access Gate Support Frame and Installation (Simulated Stone Gate Materials to be provided by Owner)	2	EA	$ 1,024.00	$ 2,048.00	-	-
5	Existing Fence Removal	1660	LF	$ 12.00	$ 19,920.00	-	-
OPTIONAL IMPROVEMENTS		**BID TOTAL (ITEMS 1-5)**			$ 72,808.00		**NO BID**
6	Automatic 9 FT by 12 FT Wide Access Gate with Remote Opener and Keypad (Material and Installation)	1	LS	-	**NO BID**	-	**NO BID**
		BID TOTAL (ITEMS 1-5)			$ 72,808.00		**NO BID**

Eagle Ridge WWTP Simulated Stone Fence				1 Vinyl Fence Wholesaler 2906 15th Ave. SW Rochester, MN 55902	
ITEM	**DESCRIPTION**	**EST. QTY.**	**U/M**	**BID PRICE PER UNIT**	**TOTAL BID PRICE**
1	Simulated Stone Privacy Fence-Proline-Commercial, Includes Pre-Built Sections (9FT x 6FT), Steel Beams, and Post Covers	196	LS	$ 211,680.00	$ 211,680.00
2	Additional Steel I Beams and Post Covers	10	LS	$ 4,000.00	$ 4,000.00
3	6 FT Wide Signal Gates with Hardware	4	LS	$ 2,780.00	$ 2,780.00
		BID TOTAL (Items 1-3) with Tax			$ 233,752.00

Sunny Grove Landscaping, Inc.
PO Box 347
Estero, FL 33929
(239) 992-1818
Fax (239) 992-3564
www.sunnygrove.com

PROPOSAL 15
022176 Page: 1
Thursday, January 09, 2020

Utilities, Inc. of Florida
200 Weathersfield Ave
Altamonte Spring FL 32714

For:
Eagle Ridge WWTF-14668 Aeries Way Dr
Per Plan Take Off
Attn: Michael Wilson

Item Number	and Description	Size	Quantity	Price	Total Amount
62462	Mobilization		1	500.000	500.00
15456	Slash Pine, Florida 2" cal. See note #2 below.	10'Ht, 25G	58	275.000	15950.00
16708	Magnolia, Brown Brackens	10'Ht,5'Spr,2"C	9	450.000	4050.00
18494	Bald Cypress	10'Ht 2" Cal	20	200.000	4000.00
41182	Simpson's Stopper See note #3 below.	15G	308	70.000	21560.00
40200	Cocoplum 'Red Tip' See note #4 below	07G	373	30.000	11190.00
70390	Mulch, Florimulch/Melaluca	Cu. Yd.	70	65.000	4550.00
				Landscaping Sub-Total	$61,800.00
70070	Sod, Bahia Sod is an estimate only and will be billed for actual amount laid.	S/F	70000	.290	20300.00
				Sub-Total	$20,300.00
70100	Irrigation See proposal #000911		1	18748.300	18748.30
				Sub-Total	$18,748.30
				Total	$100,848.30

NOTES:
1) Per plan by Kimley Horn dated 12, 2019, Sheets L-100, IR-100.
2) Slash Pine bid at 10' ht. Spreadsheet reflects 12' ht.
3) Simpson's Stopper bid at quantity of 308 per Sunny Groves take-off. Plant schedule and spreadsheet reflects 299.
4) Cocoplum bid at quantity of 373 per Sunny Groves take-off. Plant schedule and spreadsheet reflects 381.
5) P.O.C. - 1" existing mainline
6) If needed, battery controllers are available at $155/each.

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PROPOSAL 15
022176 Page: 2
Thursday, January 09, 2020

Utilities, Inc. of Florida
200 Weathersfield Ave
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For:
Eagle Ridge WWTF-14668 Aeries Way Dr
Per Plan Take Off
Attn: Michael Wilson

Item Number and Description	Size	Quantity	Price	Total Amount

Guarantee: All materials are guaranteed to meet the specs stated herein. Any alteration from these specs involving additional costs will be executed only upon written order and will become an extra charge over/above this estimate.
Warranty: Trees and palms are warranted 180 days, shrubs and groundcovers 90 days, and sod 30 days. Sunnygrove will replace warranted plant that dies or is not established during said warranty period if caused by negligence or poor workmanship by Sunnygrove. Sunnygrove cannot warranty plant material or sod that is not watered by an automatic irrigation system with 100% coverage. It is the responsibility of the Owner/Builder/Owner's rep to commence maintenance of all plant material and sod with an irrigation system at the time of substantial completion of work. All plants, trees, palms, and sod are to be irrigated as follows; 7 times per week for Weeks 1 & 2; 4 times per week for Weeks 3 & 4, and 3 times per week for Weeks 5 & 6. From Week 7 and later, the irrigation can be set per local ordinances and law, and is to follow appropriate maintenance schedule. The Owner/Builder is responsible for percolation of soil, site drainage, and soil conditions. Recommended maintenance of plants and sod shall commence from the date of completion to the end of the warranty period and shall be paid by the Owner/ Builder. Maintenance Schedule is available on our website @ www.sunnygrove.com
WARRANTY EXCLUSIONS: Sunnygrove does not warranty Sylvester Palms, Medjool Palms or Canary Palms, which are prone to Texas Phoenix Palm Decline (TPPD) edis.ifas.ufl.edu/pp163.This warranty does not apply to annuals, including Lantana and Pentas; relocated plant material; Italian Cypress and Florida Red Cedar trees, Ground Orchids, Heliconia, and to material that has died or declined due to circumstances beyond Sunnygrove's control, or for plant material eaten by Wildlife, including but not limited to acts of God, poor site/soil conditions, or actions by others. PAYMENT SCHEDULE: Net 30 Days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are hereby accepted. Sunnygrove is authorized to do the work as specified.

Date _____ Sunny Grove Signature _____ Owner/Builder Signature _____

The property owner is responsible for locating sewer/septic and other privately owned underground utilities on the property if applicable.



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BEIGE GRANITE SIMULATED STONE FENCE: [Click Here to View Online]

ORDER NUMBER: SIM-17220-19

QTY	DESCRIPTION		PRICE
196	**BEIGE GRANITE SIMULATED STONE PRIVACY FENCE-PROLINE-COMMERCIAL GRADE** **Pre-Built Sections (1176 Linear Feet) 9' TALL X 6' WIDE** **INCLUDES (196) 5" x 5" x 156" STEEL I BEAMS AND POST COVERS LISTED BELOW *All Fence** **Sections are designed to cut in length to any length needed**		**$211680**
10	ADDITIONAL STEEL I BEAMS AND POST COVERS		**$4000**
4	6FT WIDE SINGLE GATES WITH HARDWARE		**$2780**
Based on your quote request and fence layout, your project requires a total of (206) posts:			
	Corner Posts	5" x 5" x 156" Posts	**$Included**
	End Posts	5" x 5" x 156" Posts	**$Included**
	Line Posts	5" x 5" x 156" Posts	**$Included**
206	Matching Post Caps:		**$Included**
	Sub Total		**$218460**
	Sales Tax: 7%-		**$15292**
	Shipping Ground 100% Insured LTL via ODP: View online at www.odfl.com **All Shipped Pre-Built – Estimated Weight = 16000 lbs.** **From our Factory in Utah To your project location in FL** **Actual Cost = $4976 Manufacture Direct Discount - We pay 100% - Your Cost**		**$FREE**
	Grand Total Delivered:		**$233752**
	50% Due upon Order Placement		**$116876**
	40% Due January 8th 2020		**$93501**
	10% Balance Due upon delivery of your fence order		**$23375**

Purchase Factory Direct 24/7 - Heavy Duty Vinyl Fence & Decking
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ORDER FORM AND PAYMENT INFORMATION



www.vinylfenceanddeck.com

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Make Check Payable To:
A VINYL FENCE WHOLESALER

Mail To:
Washington Federal
2491 Dahlia St
Klamath Falls, OR 97601

Phone: 541-273-2146

Please call or email if your bank has any questions when you are sending check.

Thanks!

Kelly Hansen
Vice President
Direct Line (507) 993-5675 www.vinylfenceanddeck.com
Office: (507) 206-4154 - Fax: (507) 206-4153
Email: vp@vinylfenceanddeck.com

DAVEY
Proven Solutions for a Growing World

The Davey Tree Expert Company
5515 Yahl St. Suite A
Naples, FL 34109-1951
Phone: (239) 403-9665 Fax: (239) 403-9662
Email: Todd.Loukides@davey.com

Client	Service Location	2/7/2020
UTILITIES INC OF FLORIDA ATTN: MICHAEL WILSON-REGIONAL MGR 200 WEATHERSFIELD AVE ALTAMONTE SPG, FL 32714-4027	UTILITIES INC Attn: Michael Wilson - Reg.Mgr. 14668 AERIES WAY DR FORT MYERS, FL 33912-1703 Mobile: (407) 468-3268 Email: mawilson@uiwater.com	Proposal #: 20042985-1580932582 Account #: 5389991 Ship To #: 5389992 Work: (321) 972-1374 Mobile: (407) 468-3268 Email: mawilson@uiwater.com

	Tree Care	Service Period	Price	Tax	Total
☐	Tree Removal		$7,500.00		$7,500.00

CHANGE ORDER.

Remove to near ground level:

-13 SLASH PINE TREES and 1 OAK TREE located around the top portion of the berm surrounding the 2 water areas as directed.

Palm Pruning - pruning of selective fronds including dead, declining and dangerous fronds, flowers and fruit to a maximum angle of 45 degrees to the following palms:
-SABAL PALMS located around the top portion of the berm surrounding the 2 water areas as directed.

-1 Dumpster for misc. debris found within the working area. (ie. plastic and metal culverts, large rocks etc.) as per Mike Wilson.

- Removal/Disposal of all resulting debris.

☐ Yes, please schedule the services marked above.

No Deposit may be required upon acceptance

$ _____ Deposit Required / $ _____ Deposit Received

Upon completion of work, please charge balance to credit card ____Yes ____No

Deposit payment options we accept are check or credit card

To pay by check mail to

The Davey Tree Expert Company
5515 Yahl St. Suite A
Naples, FL 34109-1951

To pay by credit card call

(239) 403-9665

ACCEPTANCE OF PROPOSAL: The above prices and conditions are hereby accepted. You are authorized to do this work as specified. I am familiar with and agree to the terms and conditions appended to this form. All deletions have been noted. I understand that once accepted, this proposal constitutes a binding contract. This proposal may be withdrawn if not accepted within 30 days.

Todd Loukides

Todd Loukides
ISA Certified Arborist FL-9325A

Authorizing Signature

Date

C&C Tree Service Fence Builders, LLC.
2054 E Edgewood Dr Suite #3
Lakeland, FL 33803 US
8638381837
c.c.llc@outlook.com
www.cctreeandfence.com

BILL TO
Michael Wilson
Utilities Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, FL
32714

INVOICE 2422

DATE 12/16/2019 **TERMS** Due on receipt

DUE DATE 12/16/2019

DATE	SERVICE	AMOUNT
12/16/2019	**Fence Installation** FENCE AND INSTALLATION 1. MOBILIZATION $9,960.00 2. 6 FT CHAINLINK FENCE (MATERIAL AND INSTALLATION) 540 LF $15,120.00 3. 9 FT SIMULATED STONE FENCE (INSTALLATION) 1,120 LF $25,760.00 (IF C&C IS RESPONSIBLE FOR MATERIAL OFFLOADING FOR SIMULATED STONE FENCE A $1,000.00 EXTRA FEE WILL BE ADDED TO FINAL PAYMENT.) 4. 9 FT BY 12 FT WIDE ACESS GATE SUPPORT FRAME AND INSTALLATION (SIMULATED STONE GATE MATERIAL TO BE PROVIDED BY OWNER) 2 $2,048.00 5. EXISTING FENCE REMOVAL 1,660 LF $19,920.00 TOTAL BID $72,808.00 NOTE.- IF C&C IS RESPONSIBLE FOR MATERIAL OFFLOADING FOR SIMULATED STONE FENCE A $1,000.00 EXTRA FEE WILL BE ADDED TO FINAL PAYMENT. All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted. With payments to be made as follows: Deposit required for project in the amount of $36,404.00 and final payment required upon completion of job in the amount of $36,404.00	72,808.00

Thank you very much for your value business.
We hope we can offer our services to you in the future.
-C&C Tree Service Fence Builders, LLC.

TOTAL DUE **$72,808.00**

"No job is too small or too large"
Costumer satisfaction and attention to detail is our focus
Like us on Facebok and give us your feedback on Home Advisor
-C&C Tree Service Fence Builders

SECTION 00520

AGREEMENT FORM (LUMP SUM)

PART 1 GENERAL

1.01 **THIS AGREEMENT**, made this 15th day of January 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and The Davey Tree Company, whose principal and local address is 5515 Yahl St, Naples, FL 34109, hereinafter called the Contractor.

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

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the clearing, grubbing, and associated land work for the Eagle Ridge WWTF.

C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is 120 calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof,

OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $50.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of One Hundred and Ninety-Four Thousand Dollars and Zero Cents ($194,000.00). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

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

G. Retainage

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

H. Engineer

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

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

CONTRACTOR:

The Davey Tree Company
Name of Firm

Rich Wiland
By (Signature) (SEAL)

Rich Wiland/ District Manager
Printed Name and Title

ATTEST:

Alida Keen
By (Signature)

Alida Keen, Office Coordinator
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner

By (Signature) (SEAL)

Patrick C. Flynn, Vice President
Printed Name and Title

ATTEST:

Michael A. Wilson
By (Signature)

Michael Wilson, Regional Manager
Printed Name and Title

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-6) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	12/31/2019
Project Name:	Labrador WWTP Master Plan Engineering		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330350.15
Business Unit:	259101 **LABRADOR UTILITIES INC S**	**CO #:**	259
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Mike Wilson / Lee Neal	**Budget Owner / RP:**	Gary Rudkin
Start Date:	8/1/2019 Q3 2019	**Region:**	Florida 04
Estimated End Date:	8/31/2020 Q3 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No	Project Type: *(Select one-->)*	EH&S Compliance 006
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**41,000**		**41,000**
Still to be Requested:			0
Total Project Budget:	**41,000**	**0**	**41,000**

Description:

Engineering services associated with the analysis of the Labrador (Forest Lake Estates) Wastewater Treatment Plant (WWTP) and the generation of report that identifies facility improvements that are necessary to operate and maintain the plant in conformance with its DEP operating permit.

Timeline Considerations:

This project is being executed as a proforma project in the 2020 rate case.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Labrador WWTP is an extended aeration treatment plant first constructed in 1982 with a permitted capacity of 0.216 MGD 3MADF with a maximum monthly aveage of <0.100 MGD and a minimum monthly average <0.020 MGD. The customer base of about 1,274 mobile homes and RV pads has a very seasonal occupancy rate. The plant components are primarily above ground carbon steel tanks that comprise three triple-tank treatment trains, two surge tanks, two aerobic digesters, rotary drum screen, contact tank, clear well, effluent transfer station, blower building, generator, and 80 sq. ft. field office.

The engineering evaluation will identify the current condition of the plant facilities, their expected remaining service life, and recommendations regarding refurbishment or replacement necessary to provide reliable performance that meets the requirements of the plant's operating permit over a wide ranging flow profile.

Risk Evaluation

This report will outline the current plant defeciencies and provide guidance in the overall evaluation of the WWTP infrastructure. It will include recommendations for upgrades to the facility to address the current risk level of the facility's structures and functions.

Alternatives Considered:

Leave facility in current condition and risk future failure.
Blast steel surfaces to near metal; replace corroded steel plate; apply paint system to all tanks.

Technical Review Summary:

The existing facilities consist of 13 above-grade carbon steel tanks that are in need of major welding work to replace much of the infrastructure that has corroded over time. The cost to maintain these mild steel structures and tanks would be ongoing over multiple years at significant cost. The plant's historical flow analysis indicates a properly sized and designed package plant would probably reduce future annual maintenance and operational costs. Actual design, bidding, permitting and construction of replacement facilities, however, are beyond the scope of this project.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
254004	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330350 Labrador Utilities Inc S	08/20/2020	4,100.00	
255008	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330345 Labrador Utilities Inc W	08/31/2020	1,236.06	
255007	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330345 Labrador Utilities Inc W	08/31/2020	8,650.00	
255001	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330345 Labrador Utilities Inc W	08/31/2020	10,250.00	
255003	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330345 Labrador Utilities Inc W	08/31/2020	10,250.00	
255004	Florida Labrador WWTP PDR	Engineering	Engineering	2410-330345 Labrador Utilities Inc W	08/31/2020	10,250.00	44,736.06

Kimley»Horn

February 7, 2019

Mike Wilson
Utilities Inc. of Florida – Forest Lake
200 Weathersfield Avenue
Altamonte Springs, FL 32714

Re: Professional Services Agreement for the Forest Lake Wastewater Treatment Plant
Preliminary Design Report
Utilities Inc. of Florida
Pasco County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for the engineering services associated with the Forest Lake Estates Wastewater Treatment Plant (WWTP) Preliminary Design Report required to identify the plan and phasing of the required improvements to the site.

Project Understanding

The Forest Lake WWTP is an extended aeration activated sludge domestic wastewater facility that discharges all reuse effluent to a nearby 34.7-acre spray field. The plant has a permitted capacity of 0.216 MGD based on three-month average daily flow. The plant recently had the digester tanks blasted and coated, including the addition of a new scrubber for odor control. The headworks (drum screen) and flow equalization tanks are in good condition.

The remaining components of the WWTP are nearing the end of their useful life and/or are in need of replacement, which include; chlorine contact chamber (CCC), aeration tanks, clarifiers, and office building. The purpose of this project is to complete a Preliminary Design Report (PDR) for the WWTP that evaluates and phases the necessary improvements.

Scope of Services

Task 1 –Preliminary Design Report (PDR)

A. Kimley-Horn will conduct up to two (2) site visits to meet with the Client, including Forest Lake WWTP operators. Kimley-Horn will identify available design information and record drawings of existing plant equipment and coordinate with staff to obtain copies of relevant documents.

B. Kimley-Horn will perform a site visit to review the condition of the existing metal tanks. The condition assessment will only consist of a visual review of the above grade portion of the tanks. No destructive testing will be performed. We understand that the tanks will be in operation during our site visit. Therefore, our assessment will be restricted to those areas of the tanks visible above grade and will not include the portion of the tank below grade or the inside of the tank. Except for measurement of the tank walls using an ultrasonic thickness gauge, no non-destructive testing will be performed. It is our understanding that no specifications or

construction documents are available for the existing tanks. The tank wall (freeboard) minimally exposed to a corrosive environment will be used for as a basis for comparison.

C. Kimley-Horn will assist the Client in outlining the existing plant deficiencies discussed above. All required improvements and site modifications will be included in the PDR.

D. Kimley-Horn will coordinate with equipment vender representatives on various types of equipment relevant to the project.

E. Kimley-Horn will prepare a PDR that shall be submitted to the Client for approval. The following information will be provided:
   - Existing plant condition, deficiencies, and operations
   - Design criteria and flow evaluation
   - Engineering constraints and limitations
   - Proposed improvements and treatment objectives
   - Proposed equipment evaluations & alternatives analysis
   - Assessment of environmental impacts
   - Recommendations
   - Schematic site plan of recommended options showing operations of unit processes, 100-year and 25-year flood elevations, and approximate finish floor elevations of treatment units
   - Process diagram
   - Opinion of probable construction costs

F. Kimley-Horn will submit the draft PDR to the Client within 90 days of execution of this contract.

G. Kimley-Horn will review the Preliminary Design Report with the Client and discuss design options and available equipment/design alternatives. Following review of the draft, Kimley-Horn will revise and update the report, based on the Clients comments and submit a final PDR.

PROJECT DELIVERABLES

1. Meeting Minutes following each meeting attended by Kimley-Horn
2. Forest Lake WWTP Preliminary Design Report – Draft and Final Version to be provided electronically, up to two (2) hard copies will be provided upon request

Services Not Included

Any other services, including but not limited to the following, are not included in this Agreement:
- Construction Documents
- Survey
- Geotechnical
- Environmental Services
- Subsurface Utility Investigation
- Structural Engineering
- Public Involvement

Kimley»Horn

Information Provided By Client
We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. Documents required to be provided by the client include, but are not limited to the following:

- Record Drawings and pertinent documents
- Existing WWTP operating information, DMR data, WWTP permitting information
- Site Access

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

- Review and comment on the deliverables
- Attend and participate in project meetings
- Provide access to any portion of the site if required

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

Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 for the total lump sum fee below. Individual task amounts are informational only.

Task 1 – Preliminary Design Report	$41,000.00
Total Lump Sum Fee	**$41,000.00**

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

Closure

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

Kimley»Horn

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:

_X_ 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: Wade Wood, P.E.
Project Manager

Kimley»Horn

Utilities Inc. of Florida

By: _____, President/Vice President

2/11/2019
(Date)

PATRICK C FLYNN, VP of OPS.
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-7) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2019078
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	3/29/2019
Project Name:	Longwood LS RTUs			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	246100	**UTILITIES INC OF LONGWOOD**		
			BU Type:	SP
Project Owner:	Patrick C. Flynn			
			Budget Owner / RP:	John Hoy
Project Manager:	Bryan K. Gongre			
			Region:	Florida 4
Start Date:	4/8/2019	Q2 2019		
			State:	FL
Estimated End Date:	12/31/2019	Q4 2019		
Primarily Like-For-Like Asset Replacment?	No			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**122,818**	**122,818**
Still to be Requested:			0
Total Project Budget:	**0**	**122,818**	**122,818**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Procure and install an Allen Bradley RTU at each lift station within the Longwood service area for a total of 13 sites.

Timeline Considerations:

As a component of the 2019 CP the project is scheduled to be sequenced and completed with two other like projects in different systems.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number		(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Currently there are 13 sanitary lift stations monitored by C & A Alarm Systems in the Longwood service area. In 2016, SCADA was implemented in the Central Florida area. Since we began monitoring alarms through the SCADA system, the Utility has reduced the lag time between an alarm event and notification by 5 to 10 minutes and Operators can monitor lift station activity remotely through the use of a lap top computer or tablet at all times. The reduction in alarm notification time is critical when addressing lift station issues that can lead to SSOs and potential back ups in the system impacting customers' homes. The ability to pull reports for lift stations at the beginning of a work day will allow the Technician to prioritize work activities and address a problem station early in the day whereas under the current condition a problem might not be realized and readily addressed simply by failure to visit each station every day. Events such as pulling a pump, replacing a pump or floats and electrical issues can be logged in the SCADA system for tracking purposes making that knowledge available to all Technicians that rotate on call duties or substitute for vacation or an unscheduled absence.

Risk Evaluation

This project will improve response times for alarm events and further reduce SSO's.

Alternatives Considered:

Use of a controller that uses texting as a notification method but would require a parallel VT SCADA package doubling maintenance costs and injecting a new technology that is not widely used and demonstrated.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
44186	LONGWOOD LS RTUS	Captime	Captime	2410-330040 Utilities Inc of Longwood	10/15/2019	45.18	
44187	LONGWOOD LS RTUS	Captime	Captime	2410-330040 Utilities Inc of Longwood	10/15/2019	45.18	
49103	LONGWOOD LS RTUS	Captime	Captime	2410-330040 Utilities Inc of Longwood	01/15/2020	45.18	135.54
35859	LONGWOOD LS RTUS	Equipment	Equipment	2410-330040 Utilities Inc of Longwood	08/01/2019	68,207.95	
49066	LONGWOOD LS RTUS	Equipment	Equipment	2410-330040 Utilities Inc of Longwood	01/09/2020	53,815.59	122,023.54
35858	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	08/31/2019	513.26	
38739	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	09/30/2019	513.26	
42739	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	10/31/2019	513.94	
96084	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	11/30/2019	-513.94	
94543	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	11/30/2019	513.94	
45257	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	11/30/2019	513.94	
48064	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	12/31/2019	513.94	
49064	LONGWOOD LS RTUS	Interest During Construction	Interest During Construction	2410-330040 Utilities Inc of Longwood	01/31/2020	919.25	3,487.59
							125,646.67

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

SCOPE OF SUPPLY

Date: February 15, 2019

Project: Utilities Inc. LS RTU - Longwood

Attention: Bryan Gongre

In accordance with the attached Terms and Conditions, Sanders Company is pleased to offer the following materials/services for the above referenced project.

PRICE, DELIVERY AND TERMS OF OFFERING

Prices submitted are for equipment/services specifically listed within this Scope of Supply which constitute our complete offering. Sanders Company has not provided a CTU panel to communicate with this RTU.

13 each RTU 120 Vac, 1 phase
Nema type 4X SS, 20"x 20" x 8" wall mount enclosure with back panel
Incoming power main circuit breaker, 120 Vac, 1 phase
Incoming power lightning arrestor, 120 Vac, 1 phase
PLC, Allen Bradley Micrologix 1400
Cellular modem, Calamp Vanguard 4G
Cellular modem antennas (2)
Battery Backup circuit
(1) 24 Vdc power supply
(AR) Fuses, relays and terminals
UL 508A listed

Price Each $ 6,493 **Total for 13 RTU $84,409**

Option # 1 install of RTU $2,500 each **Total of 13 units $32,500**
SCI's price includes:
Engineering
Programming
Submittals, Operation & Maintenance Manuals
1-Year Warranty
Factory Check Out

SCI's price does not include:
Taxes

PRICE: SEE ABOVE PLUS TAX if applicable. FOB factory with freight allowed to jobsite, shipped via standard commercial carrier.

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

DELIVERY: 8 to 10 weeks after complete and acceptable approval is received in the Stuart offices of Sanders Company, Inc.

TERMS OF PAYMENT
Based on initial and continuing credit approval by Sanders Company, Inc., the following payment terms apply: Net 30

- NO HOLDBACK (RETAINAGE) provision is offered or allowed

SCI form 575 Terms and Conditions, which is attached, is an integral part of this offering.

Note payment via credit card on orders over $10,000 will incur a 3% adder.

Thank you for the opportunity to offer this Scope of Supply.
Please contact me with any questions and/or comments regarding this offering.

Ron Robinette
Sales
Cell 321-229-7643 Stuart office 800-247-0880
Ron@Mrsewage.com

SANDERS
COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

TERMS AND CONDITIONS

Sanders Company, Inc.
2816 SE Monroe St
Stuart, Fl 34997

AN ORDER WILL CONSTITUTE A CONTRACT BETWEEN THE COMPANY AND THE BUYER WHEN ACCEPTED IN WRITING BY THE COMPANY AT ITS HOME OFFICE IN STUART FLORIDA. A CONTRACT RESULTING FROM THE ACCEPTANCE OF AN ORDER MAY BE CANCELED OR ALTERED BY THE BUYER ONLY IF AGREED TO IN WRITING BY THE COMPANY AT ITS HOME OFFICE SUBJECT TO PAYMENT OF REAONABLE CHARGES NECESSARY TO PROTECT THE COMPANY FROM LOSS. UNTIL ACCEPTED, AS PROVIDED HEREIN, AN ORDER SHALL CONSTITUTE AN OFFER TO PURCHASE. NEITHER THE ACCEPTANCE OF ANY DEPOSIT MADE WITH AN ORDER NOR THE CASHING OF ANY CHECK OR OTHER INSTRUMENT THEREFOR, NOR THE HOLDING OF SUCH DEPOSIT BY THECOMPANY SHALL BE DEEMED AN ACCEPTANCE OF AN ORDER, BUT IF THE ORDER IS NOT ACCEPTED, THE COMPANY WILL PROMPTLY REFUND SUCH DEPOSIT. THE COMPANY SHALL NOT BE LIABLE FOR ANY FAILURE TO MAKE DELIVERY OR OTHER DEFAULT BY REASON OF ANY OCCURRENCE OR CONTINGENCY BEYOND THE REASONABLE CONTROL OF THE COMPANY OR OF ANY OF ITS SOURCES OF SUPPLY. IN THE EVENT OF ANY SUCH OCCURRENCE OR CONTINGENCY THE COMPANY MAY EXTEND DELIVERY SCHEDULES OR MAY, AT ITS OPTION, CANCEL THE ORDER IN WHOLE OR IN PART WITHOUT LIABILITY OTHER THAN TO RETURN ANY DEPOSIT OR PRE-PAYMENT. SHOULD THE WHOLE ORDER BE CANCELED, THE BUYER WILL REIMBURSE THE COMPANY FOR ALL TAXES, EXPENSES AND SIMILAR CHARGES BASED UPON OR MEASURED BY THE PRODUCTION, STORAGE, SALE, TRANSPORTATION OR USE OF THE PRODUCTS DESCRIBED HEREIN.THE COMPANY SHALL NOT BE BOUND BY ANY TERMS, CONDITIONS, OR REPRESENTATIONS WHICH ARE NOT STATED HEREIN. THE COMPANY SHALL NOT BE OBLIGATED TO PERFORM HEREUNDER IF AT ANY TIME: BUYER'S CREDIT RATING BECOMES IMPAIRED. THE COMPANY SHALL RETAIN A SECURITY INTEREST IN THE PRODUCTS/SERVICES SUPPLIED HEREUNDER TO SECURE PERFORMACE OF BUYER'S OBLIGATIONS AND BUYER SHALL EXECUTE ALL FINANCING STATEMENTS AND OTHER INSTRUMENTS THAT THE COMPANY DEEMS NECESSARY TO PERFECT ITS SECURITY INTEREST. IF THE BUYER DEFAULTS IN ANY OF ITS OBLIGATIONS HEREUNDER OR IS UNABLE TO PAY ITS DEBTS AS THEY MATURE, THE COMPANY SHALL HAVE THE RIGHT TO REPOSSESS THE PRODUCTS WITH OR WITHOUT RESORT TO LEGAL PROCESS. ACCEPTANCE OF THIS SUBMISSION ACKNOWLEDGES THAT EQUIPMENT LISTED IS IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS OR IS ACCEPTED AS AN EQUAL TO THE PLANS AND SPECIFICATIONS. **THE FOREGOING TERMS AND CONDITIONS WILL PREVAIL NOTWITHSTANDING ANY VARIANCE WITH THE TERMS AND CONDITIONS OF BUYER'S ORDER FOR THE PRODUCTS.**

SCLE75

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-8) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	1/28/2020
Project Name:	Crescent Bay Raw Water Main			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	251106	**LUSI NORTH W**		
Project Owner:	Patrick Flynn		**BU Type:**	WP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy
Start Date:	2/3/2020	Q1 2020	**Region:**	Florida 4
Estimated End Date:	12/31/2020	Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No			
Will project replace/retire any assets:	No			

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**70,000**		**70,000**
Still to be Requested:			0
Total Project Budget:	**70,000**	**0**	**70,000**

Project Type: *(check all that apply)*

- [x] Growth
- [ ] Maintenance
- [ ] Replacement
- [ ] Upgrade
- [ ] Cost Reduction
- [ ] EH&S Compliance
- [ ] Other
- [ ] Developer Agreement
- [ ] Divestment
- [ ] Acquisition
- [ ] Rate Case
- [ ] Deferred Maintenance

Description:

Design, permitting, easement procurement and CEI services for approximately 5,500 LF of appropriately sized raw water main extending from the Crescent Bay WTP through the Lake Crescent Hills suddivision to CR 561 where the new raw water main will connect to an existing 18" raw water main.

Timeline Considerations:

This is a pro forma project that will be included in the Utility's mid-year 2020 rate filing. The design and permitting activities must be completed by late April to allow for a 30-day bid window followed by awarding the contract to a qualified bidder. Engineering support will continue through the completion of construction of the raw water main.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The LUSI North service area is comprised of two pressure zones that are bifurcated by the Lake Louisa/Lake Minnehaha Canal. The westerly zone includes the CR 561 WTP and the Crescent Bay WTP. The CR 561 WTP is supplied from three off-site Upper Floridan Aquifer wells that pump to an 0.800 MG ground storage tank through a common raw water main. The CR 561 WTP is situated at or near the highest elevation in the area. The Crescent Bay WTP is situated at a low elevation and has one Upper Floridan Aquifer well on site that pumps through a 10,000-gallon hydro tank. Typical daily demands are met by the CR 561 WTP. During those periods, nominal distribution system pressures at the Crescent Bay WTP are about 90 psi, which prevents the plant from running. In fact, the Crescent Bay WTP has a design capacity rating of 0.396 MGD but in 2019 the AADF was 14,000 GPD meaning that this supply well is sorely underutilized due to its ground elevation. During periods of dry, hot weather, irrigation demands rise causing the CR 561 WTP pumping rates to outpace the production of the three off-site wells. Over the last two high demand seasons, operations staff manipulated distribution valves manually during peak demands to allow for water from the east side of the system to flow to the west side to meet demand and minimize loss of service. By piping the Crescent Bay supply well's output to the CR 561 WTP, the Utility will maximize the use of the Crescent Bay well's output.

Risk Evaluation

As the west pressure zone of the LUSI North distribution system grows, peak water demand will continue to increase making it more difficult to depend on manipulating system valves as an acceptable means to offset peak periods and maintain the level of service to the customer base. This project and its companion construction project will diminish that risk.

Alternatives Considered:

Purchase property near the CR 561 WTP. Then permit and construct/equip a new well and raw water pipeline. Real property in the area is selling at a premium. The area near the CR 561 WTP is located in an FDEP EDB delineated zone that requires wells to be constructed with double casings to prevent contamination of the aquifer, which is costly. More critically, the St. Johns River WMD will not permit construction of an Upper Floridan Well because of its location within the District's Water Use Caution Area. A well drilled in the area would need to tap the Lower Floridan Aquifer at roughly twice the cost and potentially require treatment for sulfur removal at additional cost.

Continue to manipulate the system valves and pull supply from the east to the west but there is limited excess production capacity in the east zone. Elevation changes between the two zones prevent higher elevations from achieving a suitable pressure for irrigation.

Technical Review Summary:

This project was reviewed by the CPRT on 1/30/2020 without comment requiring changes or the need for additional information.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
51427	Florida-ENG CRESCENT BAY RAW WM	Captime	Captime	2410-330105 LUSI North W	02/15/2020	100.00	
65575	Florida-ENG CRESCENT BAY RAW WM	Captime	Captime	2410-330105 LUSI North W	05/15/2020	50.00	
65576	Florida-ENG CRESCENT BAY RAW WM	Captime	Captime	2410-330105 LUSI North W	05/15/2020	105.00	
65577	Florida-ENG CRESCENT BAY RAW WM	Captime	Captime	2410-330105 LUSI North W	05/15/2020	92.48	
65428	Florida-ENG CRESCENT BAY RAW WM	Captime	Captime	2410-330105 LUSI North W	05/31/2020	105.00	452.48
51426	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	02/29/2020	0.75	
53391	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	03/31/2020	30.85	
54807	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	04/30/2020	151.25	
64701	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	05/31/2020	296.88	
152006	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	06/30/2020	4.99	
152007	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	06/30/2020	293.48	
195156	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	07/31/2020	4.99	
195157	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	07/31/2020	451.50	
258116	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	08/31/2020	7.07	
258100	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	08/31/2020	474.08	
357045	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	09/30/2020	7.07	
357032	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	09/30/2020	489.13	
391131	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	10/31/2020	7.07	
391149	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	10/31/2020	489.13	
488116	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	11/30/2020	7.07	
488108	Florida-ENG CRESCENT BAY RAW WM	Interest During Construction	Interest During Construction	2410-330105 LUSI North W	11/30/2020	489.13	3,204.44
52572	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	03/16/2020	4,000.00	
54919	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	04/14/2020	16,000.00	
65444	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	05/20/2020	19,000.00	
158422	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	05/31/2020	21,000.00	
206033	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	07/31/2020	3,000.00	
272011	Florida-ENG CRESCENT BAY RAW WM	Engineering	Engineering	2410-330105 LUSI North W	08/31/2020	2,000.00	65,000.00
							68,656.92

Kimley»Horn

October 21, 2019

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

Re: Crescent Bay Raw Water Main
LUSI Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the designing a raw water main connecting the Crescent Bay well to the CR 561 WTP. The Crescent Bay well currently operates independently as a relief WTP during peak events but can be used to greater effectiveness by manifolding into the existing raw water main on CR 561.

Project Understanding

We have modeled out the raw water main and existing well system to preliminarily size the raw water main to minimize the effect on the other wells connected to the existing raw water main. The route leaves the Crescent Bay well and will need to be drilled under the canal on the north end of Crescent Lake and cross over to Crescent Lake Court, a run of approximately 1,100 feet. Easements will need to be obtained for this crossing and it will require surveying to complete. The route the continues approximately 3,400 feet through the subdivision along Crescent Lake Court to Bee Tree Trail where it crosses into the Crescent West well site. While the right of way looks wide, we recommend having survey completed through this area as well to provide detailed information regarding existing infrastructure such as the storm and potable mains in the area. The route would then parallel the existing raw water main in the existing easement for 1,000 feet to CR 561 where it will connect to the 18-inch raw water main.

Scope of Services

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

Task 1 – Raw Main Design

This task is the preparation of plans and specifications for the selected raw water main route. A survey of the route will not be performed. LUSI GIS and aerial photography will be the basis of the design plans. Plans will be developed in plan view only with specific details prepared for any profiles or cross sections necessary. Profiles will be required for the water crossing and the crossing at CR 561. A street level review of the route shows the south side of Crescent Lake Ct appears to be more open due to roadside swales in the north right of way. The design and surveying will include the effort required to develop the sketch and description of the easement necessary to cross Crescent Lake.

The Crescent Lake Well is not projected to be modified as part of this design, but the design point will be compared with the revised pressures that will be experienced by pumping to the CR 561 WTP. It is our understanding that the well is already connected to the SCADA system and no electrical

infrastructure will need to be added to integrate the well into the operating sequence of the CR 561 WTP. Any electrical programming work is not included in this scope and is assumed to be handled separately and directly with the integrators.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors. Bid documents will be electronically distributed to bidders. Any questions during the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and tabulated for consideration.

Task 2 – Permitting

FDEP permitting will be required for this project for the raw water main route and the water crossing. A right of way utilization permit will be required by Lake County and we will assist the selected contractor as needed.

Task 3 – Construction Services

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

Services Not Included

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

- Geotechnical
- Survey
- Structural
- Electrical

Additional Services

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

Information Provided By Client

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

Fee and Expenses

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

Task 1: Raw Water Main Design		$40,000
Easement Sketch and Legal Description	*$10,000*	
Task 2: Permitting		$10,000
Task 3: Construction Services		$10,000
Total Lump Sum Fee		$70,000

Kimley»Horn

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

Closure

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

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

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

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

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

By: Steve Romano, PE
Sr. Project Manager

Authorized By: _____
Title:

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Bryan K. Gongre
Printed Name:
Title: Regional Mgr.

2/12/20
Date

Attachment – Standard Provisions

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-9) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	5/15/2020
Project Name:	Crescent Bay Raw Water Main		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	251106 **LUSI NORTH W**		
Project Owner:	Patrick C. Flynn	**BU Type:**	WP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	6/30/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	10/31/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**486,514**	**486,514**
Still to be Requested:			0
Total Project Budget:	**0**	**486,514**	**486,514**

Project Type: *(check all that apply)*

- [x] Growth
- [ ] Maintenance
- [ ] Replacement
- [ ] Upgrade
- [ ] Cost Reduction
- [ ] EH&S Compliance
- [ ] Other
- [ ] Developer Agreement
- [ ] Divestment
- [ ] Acquisition
- [ ] Rate Case
- [ ] Deferred Maintenance

Description:

The project consists of installing approximately 5,000 LF of 8" pipe from the Crescent Bay well site to the Crescent West well site. The raw water main will connect to the 8" DIP piping at the Crescent Bay well. A direction drill will be used to install approximately 1,000 LF of 8" HDPE pipe under Crescent Lake then 8" PVC will continue down Lake Crescent Court to Lake Katherine Circle. The raw water main will cross under Bee Tree Trail and connect to the existing 10" raw water main that manifolds the Crescent West and Lake Crescent Hills wells into an 18" raw water main for delivery to the CR 561 WTP.

The project scope includes obtaining a non-exclusive utility easement from the Crescent Bay HOA

Timeline Considerations:

This project is a proforma included in the Utility's 2020 rate filing that must be completed by December 31, 2021 to qualify as a proforma. Having the projected completed before the spring of 2021 is critical to meet seasonal high demand periods while maintaining optimum level of service to the customers.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	2020028	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The CR 561 WTP and the Crescent Bay WTP provide potable water service to the west side of the Lake Utility Services North service area consisting of approximately 4,100 connections. The CR 561 WTP consists of a ground storage tank (GST) and four HSP's. Treated water to the GST is provided by three off site wells. The Crescent Bay WTP is comprised of one hydro tank and one well. The CR 561 WTP is located at a higher elevation. Due to the elevation differences in the system, the typical presssures seen at the Crescent Bay WTP range between 85 and 90 psi and prevents the Crescent Bay WTP from pumping other than during high demand periods and even then pumping capability is far less than the wells rated output. This creates pockets of low pressure issues in the system during high demand periods. This condtion has created the need to seasonally close valves in the system to move water in different directions thus elevating pressures just enough to prevent low pressure complaints. However, with continuing growth and the real possibility that one of the three wells serving the CR 561 WTP could fail, the Utility needs to increase the well supply to the CR 561 WTP. By repurposing the Crescent Bay well from its use as a supply well to the Crescent Bay WTP to be used as additional well supply to the CR 561 WTP, the bottleneck caused by high pressures from elevation changes can be eliminated thus maximizing the well's output and eliminating the need to construct another well site.

Risk Evaluation

Without increasing the well supply to the CR 561 WTP, high demand periods will affect system pressures that erode the level of service to the customer. Although manipulating system valves has provided a bandaid of sorts, continuing customer growth will worsen the current situation and the real possibility of a CR 561 well failure elevates the risk of being able to maintain service and meet compliance with FDEP regulations.

Alternatives Considered:

Acquire property, design, permit and construct a well, electrical, controls, treatment and pipeline to the CR 561 WTP. Without knowing the location of the well site as reagrds its proximity to the CR 561 WTP, the cost to perform the aforementioned task would be comparable if not more than the Crescent Bay raw water main construction.

Technical Review Summary:

Project was presented to and approved by the CPRT on 6/11/20 without the need for revisions.

BID TABULATION

FOR

Crescent Bay Raw Water Main

				Central Florida Tapping		Traverse		Tri-Sure	
	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	General								
1	Mobilization	LS	1	$ 41,730.00	**$ 41,730.00**	$ 25,000.00	**$ 25,000.00**	$ 30,000.00	**$ 30,000.00**
2	Payment Bond	LS	1	$ 7,403.50	**$ 7,403.50**		**$ -**	$ 8,000.00	**$ 8,000.00**
3	Maintenance of Traffic	LS	1	$ 6,500.00	**$ 6,500.00**	$ 22,000.00	**$ 22,000.00**	$ 15,000.00	**$ 15,000.00**
4	General Restoration - (Includes grading, seeding, and mulching all areas disturbed during construction and general restoration of project.)	LS	1	$ 16,393.00	**$ 16,393.00**	$ 40,000.00	**$ 40,000.00**	$ 25,000.00	**$ 25,000.00**
5	Concrete Restoration	SY	759	$ 47.35	**$ 35,938.65**	$ 72.00	**$ 54,648.00**	$ 50.00	**$ 37,950.00**
6	Survey Layout & Record Drawings	LS	1	$ 9,620.00	**$ 9,620.00**	$ 21,500.00	**$ 21,500.00**	$ 10,000.00	**$ 10,000.00**
7	Construction Testing (Pressure, Bacteriological, Density Testing)	LS	1	$ 21,522.80	**$ 21,522.80**	$ 4,000.00	**$ 4,000.00**	$ 3,500.00	**$ 3,500.00**
	Site Work								
8	8" C-900 DR-18 PVC Water Main (including fittings, restraints, adapters, etc.)	LF	2,966	$ 73.41	**$ 217,734.06**	$ 80.00	**$ 237,280.00**	$ 76.00	**$ 225,416.00**
9	8" DR-11 HDPE Water Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	1,173	$ 102.46	**$ 120,185.58**	$ 100.00	**$ 117,300.00**	$ 76.00	**$ 89,148.00**
10	8" Gate Valve	EA	5	$ 3,505.24	**$ 17,526.20**	$ 1,900.00	**$ 9,500.00**	$ 2,000.00	**$ 10,000.00**
11	2" Air Release Valve	EA	3	$ 9,346.03	**$ 28,038.09**	$ 6,500.00	**$ 19,500.00**	$ 5,000.00	**$ 15,000.00**
12	Connect to existing 10" (tapping sleeve and valve, etc)	EA	1	$ 8,235.96	**$ 8,235.96**	$ 5,000.00	**$ 5,000.00**	$ 7,500.00	**$ 7,500.00**
13	Connect to existing 8"	EA	1	$ 7,137.42	**$ 7,137.42**	$ 4,000.00	**$ 4,000.00**	$ 5,000.00	**$ 5,000.00**
			GRAND TOTAL		**$ 537,965.26**		**$ 559,728.00**		**$ 481,514.00**

BID TABULATION

FOR

Crescent Bay Raw Water Main

				Central Florida Tapping		Traverse		Tri-Sure	
	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	General								
1	Mobilization	LS	1	$ 41,730.00	**$ 41,730.00**	$ 25,000.00	**$ 25,000.00**	$ 30,000.00	**$ 30,000.00**
2	Payment Bond	LS	1	$ 7,403.50	**$ 7,403.50**		**$ -**	$ 8,000.00	**$ 8,000.00**
3	Maintenance of Traffic	LS	1	$ 6,500.00	**$ 6,500.00**	$ 22,000.00	**$ 22,000.00**	$ 15,000.00	**$ 15,000.00**
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5	Concrete Restoration	SY	759	$ 47.35	**$ 35,938.65**	$ 72.00	**$ 54,648.00**	$ 50.00	**$ 37,950.00**
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	Site Work								
8	8" C-900 DR-18 PVC Water Main (including fittings, restraints, adapters, etc.)	LF	2,966	$ 73.41	**$ 217,734.06**	$ 80.00	**$ 237,280.00**	$ 76.00	**$ 225,416.00**
9	8" DR-11 HDPE Water Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	1,173	$ 102.46	**$ 120,185.58**	$ 100.00	**$ 117,300.00**	$ 76.00	**$ 89,148.00**
10	8" Gate Valve	EA	5	$ 3,505.24	**$ 17,526.20**	$ 1,900.00	**$ 9,500.00**	$ 2,000.00	**$ 10,000.00**
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12	Connect to existing 10" (tapping sleeve and valve, etc)	EA	1	$ 8,235.96	**$ 8,235.96**	$ 5,000.00	**$ 5,000.00**	$ 7,500.00	**$ 7,500.00**
13	Connect to existing 8"	EA	1	$ 7,137.42	**$ 7,137.42**	$ 4,000.00	**$ 4,000.00**	$ 5,000.00	**$ 5,000.00**
			GRAND TOTAL		**$ 537,965.26**		**$ 559,728.00**		**$ 481,514.00**

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 29th day of July, 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Tri-Sure Corporation, doing business as a Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Contractor's Bid, Notice to Proceed, any technical specifications, Change Orders, Work Change Directives and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Crescent Bay Raw Water Main

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 180 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of Four hundred eighty-one thousand five hundred fourteen dollars and zero cents ($481,514.00).
Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

TRI-SURE CORP.
Name of Firm

By (Signature)

Jason Chambers President
Printed Name and Title

(SEAL)

ATTEST:

Kerri Chambers
By (Signature)

Kerri Chambers Secretary
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner's Representative

By (Signature)

(SEAL)

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

ATTEST:

Susan M. DiPasquale
By (Signature)

Susan M. DiPasquale
Printed Name and Title

END OF SECTION

NAME OF PROJECT: Crescent Bay Raw Water Main

NOTICE TO PROCEED FORM

TO: Tri-Sure Corporation
P.O. Box 653
Auburndale, FL 33823

DATE: August 31, 2020

PROJECT: Crescent Bay Raw Water Main

You are hereby notified to commence WORK in accordance with the Agreement dated 7/29/2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 180 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is February 27, 2021. The date of Final completion is March 29, 2021.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre, Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by TRI-SURE CORP. this 28th day of JULY, ____.

By

Jason Chambers President
Printed Name and Title

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-10) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2020029

Requested by: Bryan K. Gongre
Project Manager / Area Manager

Date: 1/28/2020

Project Name: Lake Groves WTP Sulfuric Acid System Replacement

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 251102 **LUSI SOUTH W**

BU Type: WP

Project Owner: Patrick Flynn

Budget Owner / RP: John Hoy

Project Manager: Bryan K. Gongre

Region: Florida 4

Start Date: 2/3/2020 Q1 2020

State: FL

Estimated End Date: 4/1/2020 Q2 2020

Primarily Like-For-Like Asset Replacement? Yes

Will project replace/retire any assets: Yes

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**54,303**	**54,303**
Still to be Requested:			0
Total Project Budget:	**0**	**54,303**	**54,303**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Replacement of the existing sulfuric acid chemical tanks, chemical feed pump and associated equipment, piping and the construction of a lean-to type structure to protect equipment from UV exposure.

Timeline Considerations:

This is a pro forma project to be included in the Utility's rate filing this year.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Lake Groves WTP primary supply is provided by a Lower Floridan Aquifer well with elevated sulfide concentrations that require treatment for removal. In order to do so, the water supply is injected with a 93% sulfuric acid solution to lower the pH, then pumped through a packed tower aerator prior to chlorination. The existing two 2,000-gallon acid storage tanks and dosing equipment were installed in 2007 and designed for use with a 50% sulfuric acid concentration. However, we found out from operational performance that 50% acid solution had to be fed at elevated doses to lower the pH sufficiently and even at that rate it was a struggle to remove the sulfur compounds reliably. Switching to a 93% concentration resolved the problem and has worked well but its use over time has taken a toll on the tanks, pumps and associated equipment, which have all outlived their useful service life. Solvent weld CPVC pipe and fittings will be replaced with PVDF pipe and fittings that are thermo-welded and become one continuous pipe run. This type of material is rated to withstand a 95% concentration of sulfuric acid and has a high UV resistance as compared to PVC and CPVC.

Risk Evaluation

The existing acid storage tanks, piping and equipment have been in service for just over 12 years and although the system has provided many years of service with relatively little to no repairs, the equipment has outlived its serviceable life. Continuing to keep this equipment in service will increase the likelihood of a failure that could lead to a spill, release or result in an injury to staff from exposure to the chemical. Sulfuric acid is extremely corrosive, requires the use of personal protective equipment when handling, storing or otherwise in close proximity to the chemical. A tank or pipe failure would trigger an acute environmental crisis by virtue of its potential impact on the surficial aquifer in the immediate area.

Alternatives Considered:

Replacing the system with like for like materials will only shorten the life of the remaining equipment. The change in pipe material will provide for a long and reliable service life.

Technical Review Summary:

This project was reviewed by the CPRT on 1/30/2020 without comment requiring changes or the need for additional information.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
51429	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	02/15/2020	100.00	
53212	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
53213	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
53250	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
53251	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
53252	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
53253	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/24/2020	45.18	
52594	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52595	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52596	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52597	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52598	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52788	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
52599	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	03/31/2020	45.18	
54133	LAKE GROVE WTP SULFURIC ACID S	Captime	Captime	2410-330085 LUSI South W	04/30/2020	100.00	787.34
55132	LAKE GROVE WTP SULFURIC ACID S	Equipment	Equipment	2410-330085 LUSI South W	04/02/2020	54,302.50	54,302.50
51428	LAKE GROVE WTP SULFURIC ACID S	Interest During Construction	Interest During Construction	2410-330085 LUSI South W	02/29/2020	0.75	
53392	LAKE GROVE WTP SULFURIC ACID S	Interest During Construction	Interest During Construction	2410-330085 LUSI South W	03/31/2020	5.17	5.92
							55,095.76

ODYSSEY
MANUFACTURING CO.

QUOTE

From: Andrew Mock
To: Domenic Gentilucci Utilities Inc. Area Manager
Loc: Lake Groves WTP Clermont Fl.
Re: Lake Groves WTP Sulfuric Acid System Improvement Project
Date: October 10, 2019 (Revision 2)

Domenic,

Introduction
Odyssey is pleased to quote you for the following work to be performed at the Lake Groves Water Treatment Facility just south of Clermont. As you know your current sulfuric acid system was installed by Odyssey in 2007 and as of December of that year you were still feeding 50% sulfuric acid. For the duration of the systems life it has operated relatively problem free and has actually exceeded its serviceable life. At some point in 2008 you switched to 93% sulfuric acid as the 50% was not adequately lowering the PH for the scrubber. At that time, all the sulfuric acid used in Florida was produced by a few domestic manufacturers all of which produced a very consistent 93% strength. Around 2010 one of the major sulfuric acid suppliers in FL began purchasing sulfuric acid from the local phosphate mines at a lower price per ton and at 98% strength and later on began importing the same strength sulfuric acid from China. The same company invested in a chiller and dilution system and has since been shipping sulfuric acid between 91% and 95% strength. The difficulty lays in that CPVC in 93% sulfuric acid service is at the very limits of its ability. Once a "hot" load of 94% or greater is delivered, the integrity of the pipe is compromised and the acid will literally sweat through the pipe. Based on our experience this issue is most prevalent on 1" or smaller pipe which is what comprises your entire system. Aside from this we have had issues with glue joints as the best chemical grade CPVC glue is only rated for 80% sulfuric acid which is currently not available commercially. Because of all these issues Odyssey no longer recommends CPVC for 93% sulfuric acid use and is unable to warranty it if used. Based on our experience, a CPVC system today in 93% sulfuric acid service will last anywhere from 6 months to a few years. The same system built from PVDF may need minor repairs in 10 years and should still be serviceable for many years afterwards. Even with this it is Odyssey's recommendation that you require a C of A from your sulfuric acid provider with each load and reject any load with a percent strength over 94%, by doing so you will maximize the life expectance of your piping system.

Odyssey currently has several lead technicians each with several years of experience in thermo-welding PVDF pipe. Additionally, we have had all our helpers trained by Asahi in thermo-welding equipment and techniques. Kynar (PVDF) which Odyssey recommends for your sulfuric acid system, was developed by the thermoplastics industry as an answer to handling difficult and/or dangerous chemicals and has become the standard in the industry for sulfuric acid up to 95%. Sulfuric acid at 95% or stronger begins to fume releasing sulfuric trioxide which is highly corrosive and is toxic when inhaled. PVDF is a thermo-welded piping system and is not able to be glued together. Properly assembled, a thermo-welded system is no longer considered pipe and fittings but rather a single continuous unit. Meaning there is no difference in material

Odyssey Manufacturing
1484 Massaro Boulevard
Tampa, Florida 33619
Business: (813) 635-0339

at a joint as there is in a glued connection, everything is the same unified material. Additionally, PVDF has a significantly higher resistance to UV light than PVC/CPVC does making it perfect for outdoor use. It also has a higher impact resistance than PVC/CPVC. Due to the nature of this system threaded joints are minimized and can be eliminated entirely if necessary. Any removable connection may be made with a welded union and sealed with a compressed o-ring or flanged with a gasket. All valves shall be Asahi type 21 true union valves. All O-rings and gaskets shall be Viton. Expansion joints shall have 3 to 5 volutes with the wetted materials being made of PTFE and having flanged connections. If a new injection quill is needed, Odyssey recommends the Safety-Flo Hastelloy-C injector assembly.

Tanks

The existing tanks have been in service since 2007 which is past the anticipated life expectancy. Considering how well they have done Odyssey recommends staying with the same tanks. Snyder has a proprietary curing process for their HDLPE acid resin which allows for this life expectancy. Both tanks shall have a 2" welded flange at the top left side of the tank at 90deg. From the man way for the fill line. The tank shall have a 3" CPVC U-vent and a ½" CPVC bulkhead for the Kynar sight-glass to return to. All piping that attaches to the top of the tank shall be done by flange.

Plumbing/Piping Purging and Removal

This phase will include purging of sulfuric acid from the existing feed system and the subsequent removal of all plumbing inside of the sulfuric acid feed equipment room all the way back to the tanks and to the injection point. Odyssey will also clean/neutralize any spilled chemical in the chemical room/work area. Prior to the piping removal, Odyssey will flush all lines into their respective injection location with air followed by potable water from the eyewash or spigot. Once the system is purged, Odyssey will proceed in the old piping's removal and disposal.

System Reconstruction

Odyssey shall transfer the content of tank 1 over to tank 2 and remove the tank. Once it is out of the way Odyssey shall install the new tank and add the bottom valve. once this is done the sulfuric acid can be transferred to the new tank and put back on line using temporary PFA tubing. Once tank 1 is empty it will be pulled and the new tank installed. Once the tanks are in the new double wall 2" x 1/2" suction can be ran over to the new chemical building area.

At this point Odyssey will proceed to re-pipe the Chemical feed room from the suction of the bulk tanks all the way to the injection point in the vault just to the south east corner of the chemical building. During this process, Odyssey will strive to streamline the system to make it as user friendly as possible. All piping within the room will be single wall pipe. Odyssey will then proceed to re-pipe the sulfuric acid injection line from the building to the vault. Considering the hazards of sulfuric acid before the piping goes into the ground Odyssey will transition to double-wall PVDF inside CPVC pipe (2" x ½") and will transition back once it enters the vault. The feed system will include one back pressure valve (BPV), two pressure relief valves (PRV), a pressure gauge, a calibration column, a Y pattern strainer with isolation, and all other isolation valves necessary for a safe system (12- ½" and 2-1"). The vent off the calibration column will be ran back to the nearest bulk tank as well. The injection point will include a primary chemical injection isolation valve, a diaphragm check valve, and a secondary isolation valve so the check valve can be maintained safely.

Roof

Odyssey proposes to build a 4ft x 4ft roof over the pump system to provide shelter and shade to the pump system. The roof will have a pitch of 0.667 or 6 inches over 4ft. the roof will slope from the east to the west allowing maximum head space for pump maintenance. The west side will be 6.5ft high the east side will be 7ft. each 4x4 PT post shall be either buried a minimum of 24in into the ground or anchored to the slab. Each post will also have anchors tying each post into the slab. The roof frame shall be made from 2x6 PT lumber anchored to each post with 2x4 PT rafters every 24in in between. The roof itself will be corrugated galvanized steel. For added protection Odyssey shall build walls which will extend down from the roof to the ground. These walls will be made of composite deck boards, providing the maximum reinforcement to

the roof structure, and will never need painting. These walls will be on the south, west, and north sides to add additional shade. The new structure can be built around the existing shed ahead of its removal, this will allow for plumbing and electrical to be ran ahead of taking anything off line for too long.

Electrical

Odyssey shall install a new outlet and light in the new enclosure area once the structure is up. The vent fan will no longer be necessary because the front of the building is open. All the conduit and boxes shall be PVC. This portion of the work can be done in a day once the roof is up.

I would recommend modifying the existing vault to prevent sand from coming in from the top if possible and to excavate the bottom to below the pipe, install a ground cloth, and fill the vault back up to the top of the pipe with lime rock as this is the natural neutralizer for sulfuric acid. This way if there is ever a minor leak it will be neutralized before it gets to the ground.

(2) Snyder 2000-gallon Captor tanks with cured resin for sulfuric acid	$21,750
Shipping and handling for tanks	$ 2,000
Old tank disposal $1,000 ea.	$ 2,000
Equipment- Lull and Air Diaphragm Transfer Pump	$ 1,200
PVDF Asahi type 21 ball valves with Viton O-rings ½" – 2"	$ 3,250
PVDF BPV and PRV	$ 1,950
Lot- PVDF pipe and fittings ½" suction and discharge	$ 2,650
Lot- PVDF Pipe and fittings 2" fill line	$ 5,085
Lot- CPVC containment pipe	$ 250
Ancillary Equipment- calibration column, pressure gauge etc.	$ 850
Misc. Pipe Straps, Anchors, Consumables	$ 200
The EMEC Pump AUO 03040 K 98 03, 10.5 GPH, 43 PSI, PVDF+FP.	$ 1,025
Roof and wall Materials	$ 2,600
Electrical Materials	$ 250
(32hrs) Labor Tech @ $85 per Hr.	$ 2720
(8hrs) Labor Electrician @ $85 per Hr.	$ 680
(10hrs) Labor Equipment Operator @ $85 per Hr.	$ 850
(32hrs) Labor Helper @ $45 per Hr.	$ 1,440
Total	**$50,750**
Tax 7%	**$ 3,552.50**
Grand Total	**$54,302.50**

Thank you for your consideration. Andrew

Odyssey Manufacturing
1484 Massaro Boulevard
Tampa, Florida 33619
Business: (813) 635-0339

ODYSSEY
MANUFACTURING CO.

Invoice 330927

Invoice Date 03/20/20

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

3004892
PO 334793
Rcpt 354103

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

Ship To:

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

Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU251102	03/20/20	03/20/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price	Discount %	Tax	Extended Price
1	1 / 0	TANK (2)Snyder 2,000 Gal Captor Tanks W/Cured Resin For Sulf Acid	GAL	21750.0000		Y	21750.00
1	1 / 0	SERVICE Shipping and Handling for Tanks	EACH	2000.0000		Y	2000.00
2	2 / 0	SERVICE Old Tank Disposal Per Tank	EACH	1000.0000		Y	2000.00
1	1 / 0	SERVICE Equipment - Lull and Air Diaphargm Transfer Pump	EACH	1200.0000		Y	1200.00
1	1 / 0	PARTS PVDF Asahi Type 21 Ball Valves W/Viton O-Rings 1/2" - 2"	GAL	3250.0000		Y	3250.00
1	1 / 0	PARTS PVDF - BPV and PRV	GAL	1950.0000		Y	1950.00
1	1 / 0	PARTS Lot - PVDF Pipe and Fittings 1/2" Suction and Discharge	GAL	2650.0000		Y	2650.00

(Continued)

Customer Original

ODYSSEY
MANUFACTURING CO.

Invoice 330927

Invoice Date 03/20/20

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

Ship To:

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

Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU251102	03/20/20	03/20/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price / Discount %	Tax	Extended Price
1	1 0	PARTS Lot - PVDF Pipe and Fittings 2" Fill Line	GAL	5085.0000	Y	5085.00
1	1 0	PARTS Lot - CPVC Containment Pipe	GAL	250.0000	Y	250.00
1	1 0	PARTS Ancillary Equipment-Calibration Column, Pressure Gauge Etc.	GAL	850.0000	Y	850.00
1	1 0	PARTS Misc. Pipe Straps, Anchors Consumables	GAL	200.0000	Y	200.00
1	1 0	PUMP EMEC Pump AUO 03040 K 98 03, 10.5 GPH, 43 PSI, PVDF+FP	GAL	1025.0000	Y	1025.00
1	1 0	PARTS Roof and Wall Materials	GAL	2600.0000	Y	2600.00
1	1 0	PARTS Electrical Materials	GAL	250.0000	Y	250.00

(Continued)

ODYSSEY
MANUFACTURING CO.

Invoice 330927

Invoice Date 03/20/20

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
500 W. Monroe, Ste 3600
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Ship To:

Lake Groves Water Plant
Phone:352-242-6573
2425 US Hwy 27
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Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU251102	03/20/20	03/20/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price / Discount %	Tax	Extended Price
32	32	SERVICE	EACH	85.0000	Y	2720.00
	0	Labor - Technician 32 Hours @ $85/Hour				
8	8	SERVICE	EACH	85.0000	Y	680.00
	0	Labor - Electrician 8 Hours @ $85/Hour				
10	10	SERVICE	EACH	85.0000	Y	850.00
	0	Labor - Equipment Operator 10 Hours @ $85/Hour				
32	32	SERVICE	EACH	45.0000	Y	1440.00
	0	Labor - Helper Labor 32 Hours @ $45/Hour				

Sulfuric Acid System Improvement Project

Nontaxable Subtotal	0.00
Taxable Subtotal	50750.00
Tax (7.000%)	3552.50
Total Invoice	54302.50

Customer Original

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-11) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2020XXX

Requested by: Bryan K. Gongre
Project Manager / Area Manager

Date: 4/22/2020

Project Name: Lake Groves WTP Hydrochloric Acid Tank Relocation

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 251102 **LUSI SOUTH W**

BU Type: WP

Project Owner: Patrick C. Flynn

Budget Owner / RP: Gary Rudkin

Project Manager: Bryan K. Gongre

Region: Florida 4

Start Date: 2/22/2020 Q1 2020

State: FL

Estimated End Date: 3/31/2020 Q1 2020

Primarily Like-For-Like Asset Replacement? Yes

Will project replace/retire any assets: No

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**29,992**	**29,992**
Still to be Requested:			0
Total Project Budget:	**0**	**29,992**	**29,992**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Relocate the existing hydrochloric acid tank from within the chlorine dioxide building to outside the building on a new concrete slab with a lean to cover. Relocate the tank fill line and connect new chemical feed lines to the chlorine dioxide skid. Relcoate the ultrasonic tank level indicator and connect to the PLC. Install lighting under lean to.

Install a new 550 gallon tank inside the chlorine dioxide building for sodium hypochlorite storage. Install a new tank fill line and new chemical feed lines to the chlorine dioxide skid. Install a new ultrasonic level indicator and connect to the PLC.

Timeline Considerations:

Work needs to rapidly commence to prevent degradation of equipment within the chlorine dioxide building.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

This work is to prevent the acid tank from gassing off and damaging equipment inside the building and to situate the hypochlorite closer to the treatment skid to prevent degassification and improve the chemical feed.

Risk Evaluation

Failure to relocate the acid tank will allow for corrosion to degrade equipment inside of the building at a rapid rate.

The installation of the new sodium hypochlorite tank will insure that the chemical feed to the chlorine dioxide skid is consistent and prevent degassification in the pipeline that compromises the formation of chlorine dioxide.

Alternatives Considered:

Relocate the acid tank to prevent corrosion and not install a new hypochlorite tank. This option is not feasible as degassification will continue and the ability to consistently produce chlorine dioxide will be adversely affected.

Technical Review Summary:

NA

ODYSSEY
MANUFACTURING CO.

Completed 3/12/2020

QUOTE

From: Andrew Mock · Field Services Sales Manager · Odyssey Mfg.
To: Domenic Gentilucci Utilities Inc. Area Manager
Location: Lake Groves WTP, Davenport
Contact: (407) 948-9839
Subject: Hydrochloric Acid Relocation and Sodium Hypochlorite Tank Installation
Date: February 10, 2020

Domenic,

BU251102

HYDROCHLORIC ACID TANK RELOCATION WITH NEW SODIUM HYPOCHLORITE TANK

Utilities Inc. of Fl. Has decided to relocate the existing hydrochloric acid tank outside and install a new Assmann tank in the place of the hydrochloric acid tank inside for sodium hypochlorite. The existing hydrochloric tank can be relocated outside to the new pad and a new sodium hypochlorite tank installed in place of the current acid tank. This will require several hours of the system being offline while the tank is being relocated. The hydrochloric acid tank will need to be transferred to a temporary holding tank. Odyssey shall supply a 500-gallon single wall temp tank and an air diaphragm transfer pump to pump the existing tank out. Odyssey personnel shall filter the acid during the transfer to help remove any contaminants before transferring the acid back to the relocated tank. Once the tank is empty, Odyssey will inspect the inside of the tank and rinse and clean the tank if necessary. While the tank is down, Odyssey will also inspect the bottom fitting to make sure there isn't any degradation to the Hastelloy-C fitting before transferring the acid back to the tank. The suction piping shall be ran with accordance to the drawing the piping shall be ½" x 2" double wall PVC pipe from the pad to the building. Once its above ground the pipe shall transition back to single wall pipe and enter the pipe trench inside the building.

Sodium Hypochlorite Tank Installation

Once the hydrochloric acid tank has been relocated outside and the installation has been completed, Odyssey shall install a new Assmann DW 550 Gallon tank for sodium hypochlorite. This will require replacing all the suction and fill lines. Odyssey shall run a new PVC SCH 80 2" fill line to the loading station just outside the north wall in place of the hydrochloric acid fill line. The fill line shall have an Asahi true union isolation valve and a polypropylene male camlock with cap. These lines can not be repurposed as there are to many voids and crevasses the acid can hide in and are extremely difficult to fully rinse out. Additionally, the PH difference of the chemicals would most likely shock the pipe and hyper-oxidize it. The vent however can be reused as it hasn't actually been in contact with the acid. Odyssey shall then run a new ½" suction pipe from the tank

into the pipe trench and tie it into the existing sodium hypochlorite suction line feeding the inductors. All this work can be done in advance of taking the existing sodium hypochlorite feed line out.

Roof

Odyssey proposes to build a roof over the new slab to provide shelter and shade to the new tank. The roof will have a pitch of 1.2 or 12 inches over 10ft. the roof will slope from the west to the east allowing maximum head space for tank maintenance. The west side faces the chlorine dioxide building and will be shaded most of the day from it. The west side will be 9ft high the east side will be 8ft. each 4x4 PT post shall be buried a minimum of 24in into the ground at each corner of the slab and in the middle of the three walled sides there shall be PT 2x4 supports. Each post will also have anchors tying each post into the slab. The roof frame shall be made from 2x8 PT lumber anchored to each post with 2x4 PT rafters every 24in in between. The roof itself will be plywood with shingles outside there shall be a drip edge surrounding the perimeter. For added protection Odyssey shall build half walls which will extend down from the roof to 2ft from the ground. These walls will be made of composite deck boards, providing the maximum reinforcement to the roof structure, and will never need painting. These walls will be on the north, east, and south sides to add additional shade. The added shade will also help protect the tank and hydrochloric acid from excessive UV exposure thus improving the longevity of the acid.

In addition to the listed work, Odyssey shall reconfigure the fill connection to the sodium chlorite tanks. Odyssey shall connect the two chlorite fill lines together into a common manifold and replace the male camlock with a female camlock.

Roof Structure, Roof Panels, Posts and hardware	$ 950
Composite boards for walls	$ 850
(15Hrs.) Labor Technician	$1,275
(15Hrs.) Labor Technician Assistant	$ 675
Total for Roof	**$3,750**

(1) Assmann 550 DW 1.9SG 1" titanium bottom fitting with Delivery	$ 2,500
Lot- Stainless Tie-Down Hardware for Hydrochloric Acid Tank	$ 660
Concrete and rebar for pad and sidewalk	$ 3,500
Equipment – (Transfer pump, 500-gal temp tank, compressor, skid steer)	$ 1,000
2" Fill line and Atmospheric Vent (outside tank)	$ 500
2" Fill line and Atmospheric Vent (inside tank)	$ 950
2" Sodium Chlorite Fill Line Modification	$ 100
30ft ½" x 2" Double Wall Suction Pipe, valves, Fittings (outside tank)	$ 1,050
20ft 1/2" Suction Pipe, Valves, Fittings (inside Tank)	$ 200
Lot – 316 Stainless Steel Unistrut, Hardware, Anchors	$ 520
(25HRS) Technician	$ 2,125

(25HRS) Technicians Assistant	$ 1,125
Total	**$14,230**

Roof	**$ ~~3,160~~** 3,750
Hydrochloric Acid System Relocation	**~~$14,130~~** 14230
7% Fl. Sales Tax	**$ ~~1,217.30~~** 1258.60
Grand Total Including Tax	**~~$18,507.30~~** 19,238.60

Thanks for your consideration. Andrew Mock

Andrew Mock · Field Manager · 1484 Massaro Blvd. Tampa Fl. 33619 · C: (813) 340-8728 · O: (813) 635-0339

ODYSSEY
MANUFACTURING CO.

Invoice 330259

Invoice Date 03/12/20

3004892
PO 337887
Req# 353034

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

Ship To:

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

Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU255102	03/12/20	03/12/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price / Discount %	Tax	Extended Price
1	1 / 0	PARTS Roof Structure, Roof Panels, Posts and Hardware	GAL	950.0000	Y	950.00
1	1 / 0	PARTS Composite Boad FOr Walls	GAL	850.0000	Y	850.00
15	15 / 0	SERVICE Technician Labor - 15 Hours @ $85/Hour	EACH	85.0000	Y	1275.00
15	15 / 0	SERVICE Labor - Technician Assistant 15 Hours @ $45/Hour	EACH	45.0000	Y	675.00
1	1 / 0	TANK Assmann 550 DW 1.9SP 1" Titanium Bottom Fitting W/Delivery	GAL	2500.0000	Y	2500.00
1	1 / 0	PARTS Lot - Stainless Tie-Down Hardware for Hydrochloric Acid Tank	GAL	660.0000	Y	660.00
1	1 / 0	SERVICE Concrete and Rebar for Pad and Sidewalk	EACH	3500.0000	Y	3500.00

(Continued)

Customer Original

ODYSSEY
MANUFACTURING CO.

Invoice 330259

Invoice Date 03/12/20

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

Ship To:

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

Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU255102	03/12/20	03/12/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price / Discount %	Tax	Extended Price
1	1	SERVICE	EACH	1000.0000		1000.00
	0	Equipmemt (Transfer Pump,500-gal Temp Tank, Compr., Skid St)			Y	
1	1	SERVICE	EACH	500.0000		500.00
	0	2" Fill LIne and Atmospheric Vent (Outside Tank)			Y	
1	1	SERVICE	EACH	950.0000		950.00
	0	2" Fill Line and Atmospheric Vent (Inside Tank)			Y	
1	1	SERVICE	EACH	100.0000		100.00
	0	2" Sodium Chlorite Fill Line Modification			Y	
1	1	SERVICE	EACH	1050.0000		1050.00
	0	30 ft 1/2"x2" DW Suction Pipe, Valves Fittings(Outside Tank)			Y	
1	1	SERVICE	EACH	200.0000		200.00
	0	20ft 1/2" Suction Pipe, Valves, Fittings (Inside Tank)			Y	
1	1	PARTS	GAL	520.0000		520.00
	0	Lot - 316 Stainless Steel Unistrut, Hardware, Anchors			Y	

(Continued)

ODYSSEY
MANUFACTURING CO.

Invoice 330259

Invoice Date 03/12/20

Odyssey Manufacturing Company
1484 Massaro Blvd.
Tampa, FL 33619
Marjorie O'donnell: modonnell@OdysseyManufacturing.com
Telephone: 813/635-0339

Bill To:

Utilities Inc. Of Florida
Attn:Accounts Payable
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Chicago, IL 60661-3779

Ship To:

Lake Groves Water Plant
Phone:352-242-6573
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Customer	Ship Via	F.O.B.	Terms
LGU01	Odyssey Mfg.	Destination	Net 30 Days

Purchase Order Number	Delivery Date	Order Date	Our Order Number
BU255102	03/12/20	03/12/20	

Quantity Ordered	Quantity Shipped / Back Ordered	Item Number / Item Description	Unit of Measure	Unit Price / Discount %	Tax	Extended Price
25	25	SERVICE	EACH	85.0000		2125.00
	0	Labor - Technician 25 Hours @ $85/Hour			Y	
25	25	SERVICE	EACH	45.0000		1125.00
	0	Labor - Technician Assistant 25 Hours @ $45/Hour			Y	

Nontaxable Subtotal	0.00
Taxable Subtotal	17980.00
Tax (7.000%)	1258.60
Total Invoice	19238.60

Customer Original

Innovative Property Services
8097 Lake Nellie Rd.
Clermont, FL 34714

Estimate

Date	Estimate #
1/31/2020	1478

Name / Address
Utilities Inc.of Florida 500 W. Monroe, Ste3600 Chicago, IL 60661-3779

Description	Qty	Rate	Total
Run power and communication conduits to the new tank location. Bonding and grounding the tank slab to the lightning loop. Build a rack using stainless steel and concrete posts and mount the precision digital 2600 enclosure and installing a ASCO surge arrester and relocating the MultiRanger 200 Ultrasonic level controller and the precision digital PD6606-LNN from the building re-pulling the shielded cable to the PLC and power from the multiranger circuit. Installing a 12' pole light with led lighting controlled by photocell, pulling a circuit from the lighting panel. Install a new Siemens Multiranger ultrasonic probe to the new CL2 tank connecting and labeling shielded cables to the PLC Programing PLC inputs is not included and must be done by other.. (2 men 40 hrs.)	80	45.00	3,600.00
1 Multiranger and fixture, Surge arrester, Stainless steel channel and brackets, concrete post, PD6606-LNN with enclosure for multiranger , conduit, wire, flex connectors, straps		7,153.00	7,153.00

Subtotal	$10,753.00
Sales Tax (7.0%)	$0.00
Total	$10,753.00

Innovative Property Services
8097 Lake Nellie Rd.
Clermont, FL 34714
352-989-4200 Fax: 407-777-0831
jloiacono@live.com

Invoice

Date	Invoice #
3/25/2020	3510

Bill To

Utilities Inc.of Florida
500 W. Monroe, Ste3600
Chicago, IL 60661-3779

3065193
PD: 338147
Reapt ~~35337~~ 353367

P.O. / B.U.	Terms	JOB #	Location
	Net 15		Lake Groves CLO2 Building Improvements

Item	Description	Qty	Rate	UNIT	Amount
Service	Run power and communication conduits to the new tank location. Bonding and grounding the tank slab to the lightning loop. Build a rack using stainless steel and mount the precision digital 2600, enclosure and installing a ASCO surge arrester and relocating the MultiRanger 200 Ultrasonic level controller and the precision digital PD6606-LNN from the building re-pulling the shielded cable to the PLC and power from the multiranger circuit. Installing overhead lighting with led lighting controlled by switch, pulling a circuit from the lighting panel. Install a new Siemens Multiranger ultrasonic probe to the new CL2 tank connecting and labeling shielded cables to the PLC Programing PLC inputs is not included and must be done by other.. (2 men 40 hrs.)	80	45.00		3,600.00

Subtotal

Sales Tax (7.0%)

Balance Due

Innovative Property Services
8097 Lake Nellie Rd.
Clermont, FL 34714
352-989-4200 Fax: 407-777-0831
jloiacono@live.com

Invoice

Date	Invoice #
3/25/2020	3510

Bill To

Utilities Inc.of Florida
500 W. Monroe, Ste3600
Chicago, IL 60661-3779

P.O. / B.U.	Terms	JOB #	Location
	Net 15		Lake Groves CLO2 Building Improvements

Item	Description	Qty	Rate	UNIT	Amount
Job Materials	1 Multiranger and fixture, Surge arrester, Stainless steel channel and brackets, concrete post, PD6606-LNN with enclosure for multiranger , conduit, wire, flex connectors, straps		7,153.00		7,153.00

Subtotal	$10,753.00
Sales Tax (7.0%)	$0.00
Balance Due	$10,753.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-12) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	None
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	4/27/2020
Project Name:	Lake Groves WWTF RAS Pump Replacements		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	251103 **LUSI SOUTH S**		
Project Owner:	Patrick C. Flynn	**BU Type:**	SP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	8/1/2020 Q3 2020	**Region:**	Florida 4
Estimated End Date:	11/30/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:		42,558	42,558
This Request:			**0**
Still to be Requested:			0
Total Project Budget:	**0**	**42,558**	**42,558**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Replace both of the existing 2.4 HP WILO/EMU return activated sludge (RAS) pumps with two (2) new 2.3 HP Xylem pumps. Project includes 4" & 6" piping, bypass piping, pump base adapters and custom stainless steel bracket welding.

Timeline Considerations:

This is a pro forma project in the 2020 rate case .

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	No	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The existing WILO RAS pumps were standard equipment that were installed when each of the two .500 MGD treatment plants were constructed. The pumps are manufactured overseas and have a lead time of up to three months when ordering a new replacement pump and cost approximately $10,000 each. In comparison, a Xylem pump can many times be found locally on the shelf and costs under $5,000.00. Over time the WILO pumps have been repaired numerous times in lieu of replacement. A repaired pump typically costs between $3,000 to $4,500 practically the cost of a new Xylem pump. By making the switch to Xylem brand pumps we will increase reliability, decrease capital costs going forward and be able to get a new replacement pump in hand in short order should the need arise.

Risk Evaluation

The inability to order and have a new replacement pump in hand in a short time period affects the normal operation of the WWTF.

Alternatives Considered:

Use ABS pumps in lieu of WILO or Xylem brand pumps. The ABS pumps and Xylem pumps are practically the same cost; however, the Xylem pumps have been found to be much more reliable.

Technical Review Summary:

DANUS UTILITIES INC.
"WE DO IT RIGHT"

Proposal #: 041020-2R

Date: 04/10/2020

Submitted to: Dominic
Company: Utilities Inc

Email: dvgentilucci@uiwater.com

2320 Beardall Ave, Sanford, FL 32771 P.O. BOX 291671-32129 (386) 882-6200

State License #CUC 1224744

Job Description: RAS Pump Installation (Utilities Inc / Lake Groves WWTP)

- Installation Only of (2) ZYLEM N3085.060 15-10-aAL-D 2.3HP dry pit pumps.
- Furnish & Install a pump base adapter for the new pump volute to match the original pump base elbow on site.
- Furnish & Install (2) 6" suction piping from existing pipe in the ground to the new pump connection.
- Furnish & Install (2) 4" by-pass piping from 6" suction to 4" air lift piping to include a 4" valve for isolation when not needed.
- Furnish & Install (2) 4" discharge piping from new pump to existing 4" pipe
- Furnish mobile certified SS welder to make up custom angles for pipe connections.
- All flanged fittings to be ductile iron with epoxy coating.
- All SS pipe, fittings and flanges will be 304-SS
- Representation at start up.

RAS Pump #1 Installation:	$16,399.00
RAS Pump #2 Installation:	$16,399.00
TOTAL:	**$32,798.00**

NOTE: Please allow 21-30 business day from date of order for materials and scheduling.

Terms Net 30 Days

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra cost will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. This proposal is subject to acceptance within 30 days and is void thereafter at the option of the undersigned.

Authorized Signature:

Raymond Rogers
(386) 886-6200
raymond@danusutilties.com

Accepted By: Bryan K. Gongre
Printed Name: Bryan K. Gongre
Date: 8/20/2020

FLYGT
a xylem brand

Xylem Water Solutions USA Inc. / Flygt Products
2152 Sprint Blvd. Apopka, Florida 32703
Phone: 407-880-2900 • Fax: 407-880-2962

To: Utilities Inc. of Florida
500 West Monroe
STE 3600
Chicago, IL 60661-3779

Date: April 10, 2020

Subject: Lake Groves WWTP

Quote Number: 2020-APO-0648

We are pleased to offer the following equipment:

(2) 3"NT 3085/463 Flygt pump 2.3 H.P., 3/460V with 50' motor cable, FLS Disabled
(1) Start-Up Service

Price: $ 9,759.68

Exclusions: WE DO NOT SUPPLY, PIPING, VALVES, GUIDE BARS, PRESSURE GAUGES, DISCONNECTS, JUNCTION BOXES, KELLUMS GRIPS, SURGE PROTECTION EQUIPMENT, SPARE PARTS, LABOR OR ANY OTHER ITEM NOT SPECIFICALLY LISTED ABOVE.

PLEASE MAKE PURCHASE ORDERS OUT TO: XYLEM WATER SOLUTIONS USA, INC.

Validity: THIS QUOTE IS VALID FOR NINETY (90) DAYS UNLESS LONGER TIME AGREED TO IN WRITING.

Taxes: State, local, and other applicable taxes are included in this quotation.

Freight Terms: DAP; Jobsite - Full Freight Allowed (per Incoterms 2010)

Shortages: Xylem will not be responsible for apparent shipment shortages or damages incurred in shipment that are not reported within two weeks from delivery to jobsite. Damages should be noted on the receiving slip and the truck driver advised of the damages. Please contact our office as soon as possible to report damages or shortages so that replacement items can be shipped and the appropriate claims made.

Payment Terms: 100% NET 45 DAYS AFTER SHIPMENT DATE.
(Note: Partial billing will be made on partial shipments)

Xylem's payment shall not be dependent upon Purchaser being paid by any third party unless Owner denies payment due to reasons solely attributable to items related to the equipment being provided by FLYGT.

Schedule: Please consult your local Flygt branch for submittals and fabrication lead-times.

Back Charges: Buyer shall not make purchases nor shall Buyer incur any labor that would result in a back charge to Seller without prior written consent of an authorized employee of seller.

Terms & Conditions: *This order is subject to the Standard Terms and Conditions of Sale – Xylem Americas effective on the date the order is accepted which terms are available at http://www.xyleminc.com/en-us/Pages/terms-conditions-of-sale.apx and incorporated herein by reference and made part of the agreement between the parties.*

We thank you for your interest in our equipment and look forward to being of service to you in the near future.

IN THE ABSENCE OF A FORMAL ISSUED PURCHASE ORDER, A SIGNED COPY OF THIS PROPOSAL IS ACCEPTABLE AS A BINDING CONTRACT.

xylem
Let's Solve Water

FLYGT
a xylem brand

Xylem Water Solutions USA Inc. / Flygt Products
2152 Sprint Blvd. Apopka, Florida 32703
Phone: 407-880-2900 • Fax: 407-880-2962

Xylem Water Solutions USA, Inc.

Company Name: Utilities Inc. of Florida

Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Accepted By: Bryan K. Gongre

Print Name: Bryan K. Gongre

Date: 8/20/2020

Scott Rachal

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-13) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020106
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	6/15/2020
Project Name:	Barrington WWTF Improvements		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	251107 **LUSI NORTH S**		
Project Owner:	Patrick C. Flynn	**BU Type:**	SP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	5/25/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	3/30/2021 Q1 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**47,000**	**333,000**	**380,000**
Still to be Requested:			0
Total Project Budget:	**47,000**	**333,000**	**380,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Design and permit a generator and lift station.

Construct a lift station and discharge piping to the existing plant splitter box.

Install a permanent generator with a sub base mounted fuel tank and ATS.

Timeline Considerations:

Project is a pro forma in the 2020 rate case.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? Yes Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The new generator and ATS will provide auxiliary power to the WWTF during a commercial power outage, preventing overflows and keep the facility in compliance with the plant's operating permit.

Currently the incoming wastewater stream gravity flows into the equalization (EQ) basin through a submerged coarse bar screen making it virtually impossible to remove rags and debris. The original plant design included a coarse bar screen and splitter box atop the EQ basin so that rags and debris could be removed by conventional means such as a rake. The elevated coarse screen/splitter box could not be placed into service because the original owner of the plant did not want to fund the investment in a lift station. The new lift station will allow the coarse bar screen/splitter box to function as designed, decrease the time required to remove rags, improve ergonomics related to performing rag/debris removal, improve the functioning of the EQ tank and prevent upstream manhole SSOs that can result from a buildup of debris.

Risk Evaluation

The treated plant effluent is pumped from the WWTF to two percolation ponds that are several hundred feet from the facility. A commercial power failure would allow the facility to backup and overflow.

The inability to derag the submerged EQ coarse bar screen can lead to a blockage and subsequent upstream manhole overflow

Under the previous owenrship both of these instances occuurred and resulted in significant SSOs.

Alternatives Considered:

Use a portable generator in instances of a commercial power outage. The WWTF is in a remote location similar to other treatment facilities in the LUS north service area that each have dedicated generators. During extended power outages our portable generators are better put to use in the LUS south service area where multiple lift stations are located.

Continue to operate the gravity flow course bar screen and not construct the lift station. The safety concerns related to the ongoing task of rag and debris removal and the inceased potential for SSOs prevent a do nothing approach.

Technical Review Summary:

Project was presented to the CPRT on 6/18/20 and approved without the need for revisions or corrections.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
238742	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/12/2020		
287362	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/26/2020		
310270	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
345986	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/21/2020		
376437	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
376484	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
425056	Florida-BARRINGTON WWTF IMPROVEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
64489	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	05/31/2020	258.11	
152003	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	06/30/2020	258.11	
195153	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	07/31/2020	258.11	
258102	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	08/31/2020	0.35	
258122	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	08/31/2020	258.11	
357024	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	09/30/2020	1.04	
357049	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	09/30/2020	27.09	
357041	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	09/30/2020	258.11	
391142	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	10/31/2020	2.09	
391125	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	10/31/2020	31.60	
391130	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	10/31/2020	258.11	
488137	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	11/30/2020	2.88	
488142	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	11/30/2020	49.66	
488115	Florida-BARRINGTON WWTF IMPROVEMENTS	Interest During Construction	Interest During Construction	2410-330110 LUSI North S	11/30/2020	258.11	1,921.48
63724	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	05/31/2020	5,000.00	
63725	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	05/31/2020	5,000.00	
63726	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	05/31/2020	8,450.00	
63727	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	05/31/2020	4,050.00	
63728	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	05/31/2020	11,800.00	
272009	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	09/11/2020	3,600.00	
327007	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	10/08/2020	600.00	
430005	Florida-BARRINGTON WWTF IMPROVEMENTS	Construction	Construction	2410-330110 LUSI North S	11/19/2020	2,400.00	40,900.00
							42,821.48

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 27th day of July, 2020 , by and between Utilities Inc. of Florida , hereinafter called the Owner, and Danus Utilities, Inc, doing business as a Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Contractor's Bid, Notice to Proceed, any technical specifications, Change Orders, Work Change Directives and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the LUSI Barrington WWTF Improvements

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 156 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of Three hundred twenty-seven thousand seven hundred thirty-five dollars and zero cents ($327,735.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

Danus Utilities, Inc.
Name of Firm

By (Signature)

(SEAL)

Daniel J Pardus - President
Printed Name and Title

ATTEST:

By (Signature)

Robert Brown - Manager
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner's Representative

By (Signature)

(SEAL)

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

ATTEST:

By (Signature)

Jacqueline Sillitoe, Admin
Printed Name and Title

END OF SECTION

NAME OF PROJECT: LUSI Barrington WWTF Improvements

NOTICE TO PROCEED FORM

TO: Danus Utilities Inc.
2320 Beardall Avenue
Sanford, FL 32771

DATE: September 14, 2020

PROJECT: LUSI Barrington WWTF Improvements

You are hereby notified to commence WORK in accordance with the Agreement dated 7/24/2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 156 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is February 17, 2021. The date of Final completion is March 19, 2021.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

By (Signature)

Bryan K. Gongre, Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by Danus Utilities, Inc. this 27th day of July, 2020.

By

Daniel J Pardus
Printed Name and Title

END OF SECTION

Kimley»Horn

August 2, 2019

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

Re: Barrington WWTF Modifications
LUSI Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing engineering services related to designing a lift station to pump the flows directly into the Barrington WWTF.

Project Understanding

The Barrington wastewater facility is a Mack package plant that was originally designed to receive the flows from the Barrington subdivision through a 4-inch force main. The force main was intended to run to a manually cleaned barscreen and splitter box to be located on top of the flow equalization tank (FEQ). When the facility was constructed, the influent conditions were modified to allow gravity flow into the side of the FEQ with a screen placed inside the tank. The utility is proposing to install a lift station on the wastewater facility site to pump to the facility as originally conceived. This work includes the design of a new package style lift station and force main connecting directly to the existing screening box on top of the structure, a new generator, and the associated piping and electrical work.

Scope of Services

Design – These improvements will be design based on the existing drawings provided by the utility and any necessary site visits to determine relative dimensioning. Plans will be developed on 11x17 sheets to describe the site improvements and specific infrastructure required to complete this project. This includes site layout and piping, lift station plan and details, generator and fuel tank plans, and associated electrical plans. Specifications will be developed on the plan set due to the size of the project. A separate bid form will be developed to solicit construction bids as needed.

No surveying or geotechnical work is included in this scope of services but can be added, if requested.

Permitting – Permitting for this project will include coordination of permits from the FDEP permit and Lake County. The FDEP permit is anticipated to be a minor modification but may be able to be submitted as a general permit. Site plan approval will be applied for through Lake County with building permitting being completed by the selected contractor. Permit fees

Kimley»Horn

are included in this scope of services.

Construction Services – Construction services include shop drawing reviews, limited progress inspection and closeout/startup services. Closeout services include updating the GIS system with the record drawing information.

Schedule

The design and plan development will be completed within 120 days of receiving a notice to proceed. Permitting is anticipated to be an additional 120 days. Construction is estimated at 150 days for a total project time of 13 months.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $47,000 broken down as follows:

Design Services:	$20,000
Electrical Design Services:	$11,500
Permitting Services (Incl fees):	$3,500
Construction Services:	$12,000

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

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

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

Steve Romano, PE
Associate

W. Wade Wood, PE
Associate

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

8/2/2019
Bryan Gongre, Regional Manager

Date: August 2, 2019

BID TABULATION

FOR

Barrington WWTP Lift Station

ITEM #	DESCRIPTION	QUANTITY	UNIT	North Lake		Danus Utilities	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization	1	LS	$ 50,000.00	$ 50,000.00	$60,000.00	$ 60,000.00
2	Payment and Performance Bond	1	LS	NA	NA	$ 7,000.00	$ 7,000.00
3	Restoration General - (Includes grading, seeding, and mulching all areas disturbed during construction and general restoration of project.)	1	LS	$ 4,000.00	$ 4,000.00	$ 5,000.00	$ 5,000.00
4	Survey Layout & Record Drawings	1	LS	$ 7,500.00	$ 7,500.00	$ 5,000.00	$ 5,000.00
5	Building Permit Allowance	1	LS	$ 5,000.00	$ 5,000.00	$ 5,000.00	$ 5,000.00
6	Remove 8" Sanitary Sewer	15	LF	$ 1,400.00	$ 21,000.00	$ 200.00	$ 3,000.00
7	Misc. Concrete (WWTP, slab)	10	CY	$ 1,620.00	$ 16,200.00	$ 500.00	$ 5,000.00
8	ByPass Pumping	1	LS	$ 30,000.00	$ 30,000.00	$ 7,500.00	$ 7,500.00
9	Lift Station (fiberglass wet well, pumps, piping, valves, connections, etc.)	1	EA	$ 91,900.00	$ 91,900.00	$77,500.00	$ 77,500.00
10	Generator w/ ATS (60 KW)	1	LS	$ 110,000.00	$ 110,000.00	$ 86,000.00	$ 86,000.00
11	Electrical and I&C	1	LS	$ 86,242.00	$ 86,242.00	$ 67,000.00	$ 67,000.00
12	DI Force Main (pipe, fittings, valves, etc.)	1	LS	$ 61,000.00	$ 61,000.00	$ 5,000.00	$ 5,000.00
			GRAND TOTAL		$ 482,842.00		$ 333,000.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-14) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	Budget Change	**Assigned Project #**	2019145
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	7/31/2020
Project Name:	MC - Master LS Replacement & PDR		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	250100 **MID-COUNTY**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	Gary Rudkin
Start Date:	5/15/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	3/31/2021 Q1 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:	175,000	1,591,115	1,766,115
This Request:		**337,463**	**337,463**
Still to be Requested:			0
Total Project Budget:	**175,000**	**1,928,578**	**2,103,578**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This request for an increase in project costs of $337,463.00 reflects additional work as part of a redesign of the project. The gravity sewer main that was designed to run between the North and South Plants was not buildable. That corridor has multiple underground conflicts including electrical conduits, FM and GSm piping. Minimal as-built drawings of existingunderground assets are available. The option of rerouting the gravity sewer around the existing plant and installing additional manholes to accomplish this results will be easier to construct while reducing the risk of damaging facilities that would impact the treatment process or worse. The plans and scope of work will also add pressure testing of a section of the existing filter backwash piping to repurpose as the lift station's force main. These changes to the project will add the following elements to the project cost:

1. Installation of 5 additional polymer lined concrete manholes.
2. Install additional 85 LF of 8" PVC GSM, 485 LF of 18" PVC GSM, 145 LF of 12" PVC GSM
3. Shifting underground pipe work from the headworks replacement project at lower unit costs while also clearing a footprint for the headworks structure to be built subsequently.

UIF contracted with Kimley-Horn and Associates in 2018 to prepare a Preliminary Design Report (PDR) regarding the Mid-County WWTP. This PDR was required under the terms of a 2018 Consent Order issued by FDEP in response to exceedances of permit limits, primarily TN, after the North Plant clarifier failed in December 2017. The PDR evaluated the treatment plant components as well as the collection system to determine the cause/s of the noncompliance's and to propose plant modifications, if any, that would be necessary to allow the plant to meet permit limits reliably. The replacement of the original master lift station at the WWTP was recommended by Kimley-Horn due to the badly deteriorated condition of the arched wall wet well, the insufficient pumping capacity and lift station piping. The existing pumps are Gorman Rupp suction lift pumps, rated at about 600 gpm each, that will be retired. The cost of the PDR was included in the original project scope and budget as well as the engineering services to design, permit and bid the replacement master lift station.

The construction phase of the project includes the following elements:

1. Construction inspection services.
2. Relocate the existing lift station by installing a standard duplex pump station with 45 Hp Flygt pumps, piping and appurtenances into a polymer-added precast wet well. Pumping capacity will be 2,000 gpm discharging into the existing surge tank.
3. Replace the duplex pump control panel and electrical components.
4. Install new discharge piping including 10" and 12" force main.
5. Install 8" and 18" gravity sewer main and three polymer-added precast manholes on the WWTP site per plans.
6. Demo and remove the existing master lift station components including pumps, piping, valves, control panel, top slab, pump enclosure, flood wall and associated appurtenances.
7. Demo and fill the arched wall wet well structure to finished grade.
8. Remove or grout fill all decommissioned 10" gravity main.
9. Update plant SCADA to include the new lift station equipment.

Timeline Considerations:

This project is driven by the age and condition of specific components of the Mid-County WWTP. The collection system was negatively impacted by frequent heavy rain events resulting in SSO's and elevated TN values that exceed permit limits, which warranted an engineering evaluation in conformance with the deadlines contained in the open Consent Order. The master lift station's deteriorated condition is a high priority that must be addressed without delay to avoid a catastrophic failure.

Inter-dependent Project Project Number: 2019145 Project Name: Eng - MC Master LS Replacement (If applicable)

Have engineering evaluations been performed? Yes Engineering project number: (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Mid-County WWTP is an extended aeration, Type I facility that contains two treatment trains. The North Plant (0.300 mgd) and the South Plant (0.600 mgd) have a total permitted capacity of 0.900 mgd. The Mid-County WWTP service area consists of approximately 2,760 wastewater connections comprised of light commercial, single family, and multi-family properties. Dry weather flow averages about 0.70-0.75 mgd. Wet weather flow may spike above 1.3 mgd and cause the master lift station and adjacent sewer main to become surcharged for lengthy time periods. The collection system components include:

· 18 lift stations
· 5.6 miles of 2"- 8" force main
· 34.2 miles of 6" and 8" gravity mains (90% VCP)

The WWTP and most of the existing gravity collection system were built primarily in the 1970's and 1980's. Excess inflow and infiltration (I&I) occurs frequently during the rainy season, May-October. The Mid-County I&I Analysis, completed in December 2018, concluded that I&I is prevalent throughout the Mid-County system, but primarily in the SE quadrant, and that peak flow events directly correlate with wet weather conditions.

The completion of this new lift station will provide the next step of a multi-phased plan to upgrade and modify the design of the WWTP. It will provide the means to reduce the potential for collection system surcharge issues. By upgrading the lift station's pumping capacity to 2,000 gpm with either pump out of service, the water level in the wet well will remain below the invert of the inlet pipe and thus avoid surcharging conditions and the resulting solids deposition in the gravity mains.

A separate project will include the design, permitting, bidding and construction of new pretreatment equipment including grit removal, screening, and screening compactor components.

Risk Evaluation

The Kimley-Horn evaluation of the master lift station identified severe corrosion of the arched wall wet well with a high risk of failure in the near term. Additionally, the suction lift pumps are unable to keep up with the incoming flow during rain events causing the three separate incoming gravity mains to surcharge. The pump discharge piping is routed through the wet well before connecting to the plant's splitter box. The DIP pipe is heavily corroded due to exposure to hydrogen sulfide in the wet well. There is only a very small access port to the wet well, which is inadequate for accessing the wet well to complete maintenance and repair tasks. There are numerous underground conflicts in and around the lift station that make excavation at depth extremely problematic and costly. As well, the station is <50 feet from Curlew Creek, which historically reaches flood levels in extended or severe wet weather periods.

Alternatives Considered:

1. Keep the existing lift station components in service in their present location. This is not feasible because of the severe structural condition of the existing wet well, which is located adjacent to Curlew Creek that tends to rise to flood level frequently and poses a risk of inundating the lift station.
2. Install a third suction lift pump or bypass pump to increase the station's pumping capacity. This would not address the arched wall wet well's current condition. There would continue to be a high risk of failure and consequence of failure.

Technical Review Summary:

The treatment plant and collection system analysis and evaluation has been ongoing with Kimley-Horn staff, field operations staff and the Florida BU's management team.

Kimley»Horn

March 8, 2016

Mike Wilson
Utilities Inc. of Florida
aka Utilities Inc. of Florida – Mid County
200 Weathersfield Avenue
Altamonte Springs, FL 32714

Re: Professional Services Agreement for Surveying and Mapping of the Mid County WWTP
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for surveying and mapping of the Mid County WWTP.

Project Understanding

The Client does not possess a site map or site boundary map for the Mid County Wastewater Treatment Plant (WWTP). The WWTP is located within the Doral Mobile Home Village in Dunedin, FL. The Client has requested Kimley-Horn to develop a physical survey and boundary survey for the Mid County WWTP.

Scope of Services

- Perform a title search in order to identify the deed legal description and any right-of-way takings, easements, conveyances, restrictions, and/or other matters of survey in the Public Records that may affect subject property.
- Perform a Boundary and Topographic survey of the project site. The survey will include the mapping of any visible aboveground encroachments either way across boundary lines.
    - The survey will include any visible aboveground site improvements, utilities and appurtenances. Underground utilities will be graphically depicted on the survey drawing(s) in accordance with visible appurtenances. Since no subsurface utility exploration (SUE) is included the completeness and/or accuracy of any subsurface data represented on the survey drawing(s) cannot be guaranteed. Kimley-Horn will combine the survey with the available record drawings from the facility to create a depiction of the site piping.
    - Determine site elevations on a maximum fifty (50) foot grid, at grade breaks, at changes in direction on curbing/paving and extending to the centerline of adjoining roadways. All elevations will be referenced to the NAVD 88 vertical datum. A minimum of 2 project benchmarks will be established. All data will be referenced to Florida State Plane Coordinates – NAD 83/11 datum – Florida West Zone.
    - The survey will locate/identify living trees with a 4-inch or greater DBH (diameter @ breast height).
- Kimley-Horn will provide the Client five (5) hard copies of the finished property boundary and surveys, including one pdf electronic copy. Additionally, one (1) finished property

Kimley»Horn

boundary and survey will be matted to a board for display in the office at the Mid County WWTP.

Services Not Included

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

- Design of any kind
- Environmental
- Geotechnical
- Structural
- Public Involvement

Information Provided By Client

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

- Project Site As-Builts

Responsibilities of Client

In addition to other responsibilities set out in this Agreement, the Client shall provide access to the site.

Fee and Expenses

Kimley-Horn will perform the services described above for the total lump sum fee **$15,300.00**.

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

Closure

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

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

_X_ 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

Kimley»Horn

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: W. Wade Wood, III, P.E.
Senior Project Manager

Scott Gilner, P.E.
Vice President

Kimley»Horn

Utilities Inc. of Florida

By: _____, President/Vice President

3/9/16
(Date)

PATRICK C. FLYNN
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Kimley»Horn

November 15, 2018

Mike Wilson
Utilities Inc. of Florida – Mid-County
200 Weathersfield Avenue
Altamonte Springs, FL 32714

Re: Mid-County WWTP Evaluation & Preliminary Design Report
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for the engineering services associated with the Mid-County Wastewater Treatment Plant (WWTP) evaluation and preliminary design report (PDR).

Project Understanding

The Mid-County Services WWTP was recently placed under a consent order due to some operating permit violations. The WWTP had exceedances in Total Nitrogen, $CBOD_5$, TSS, and Fecal Coliform. The consent order requires that a Facility Evaluation be performed of the current treatment system, including the effluent disposal system and associated collection system. The Consultant will provide general engineering services for the following tasks outlined below:

Task 1 – Facility Evaluation & Preliminary Design Report

A. Kimley-Horn will meet with the Client, including Mid-County WTTP operators to obtain all available design information and record drawings of existing plant equipment and coordinate with staff to obtain copies of relevant documents.

B. Kimley-Horn will perform a facility evaluation to identify any deficiencies at the current WWTP including but not limited to; both treatment trains (aeration basins and clarifiers), deep bed sand filters, chlorine contact chamber (CCC), dichlorination chamber, effluent disposal system, and solids handling system; essentially all facets of the WWTP's operation, excluding the electrical system. Findings of any deficiencies will be detailed in a Preliminary Design Report (PDR). The Mid-County WWTP will be evaluated based on permit limits established in the existing operations permit. Additional requests from Client or operators to improve or change operations of the plant will also be evaluated. All required improvements will be included in the PDR. A phasing schedule for the proposed improvements will be developed based on priority and necessity. The PDR will be used as the document to permit any proposed improvements through FDEP.

C. Kimley-Horn will coordinate with equipment vender representatives on various types of equipment relevant to the project. A maximum of three (3) site visits will be scheduled to evaluate equipment and talk to the operators. The locations will be developed with the assistance of the vender representatives and coordinated with the Client.

D. Kimley-Horn will prepare a PDR that shall be submitted to the Client for approval. The following information will be provided:
   - Existing Plant Condition and Deficiencies
   - Proposed Improvements
   - Design parameters
   - Engineering Constraints and Limitations
   - Proposed Modifications
   - Proposed Equipment Evaluations & Alternatives Analysis
   - Recommendations
   - Schematic Layouts of Recommended Options
   - Opinion of Probable Construction Costs

E. Kimley-Horn will review the PDR with the Client and discuss design options and available equipment/design alternatives. The Client will select the desired alternatives for the improvements required to bring the facility back into compliance.

F. From the PDR review meeting, Kimley-Horn will revise the report and submit the final report back to the Client and FDEP.

PROJECT DELIVERABLES

1. Draft & Final PDR
2. O&M PR
3. CAR

PROJECT SCHEDULE

- Draft PDR – 60 days
- Client Review – 15 days
- Final PDR – 15 days
- Total Project Time – 90 days

Services Not Included

Any other services, including but not limited to the following, are not included in this Agreement:
- Environmental Services
- Survey
- Geotechnical
- Subsurface Utility Investigation
- Structural Engineering
- Public Involvement

Kimley»Horn

Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. Documents required to be provided by the client include, but are not limited to the following:

- Mid-County Record Drawings and pertinent documents
- Existing WWTP operating information, DMR data, WWTP permitting information
- Client specific information required for completion of CIF application

Responsibilities of Client

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

- Review and comment on the deliverables
- Attend and participate in project meetings
- Reproduction of bid package submittals for project bidding
- Advertise for bids and addenda
- Public Involvement/Notification (Public Relations)
- Provide access to any portion of the site if required

Opinion of Probable Cost Disclaimer

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

Fee and Expenses

Kimley-Horn will perform the services for Tasks 1 for the total lump sum fee of $57,180.00

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

Closure

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

Kimley»Horn

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:

_X_ 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: W. Wade Wood, P.E.
Project Manager

Wayne White, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida

By: _____, President/Vice President

11/26/18
(Date)

PATRICK C. FLYNN
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: 36-2850768
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Kimley»Horn

August 19, 2019

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

Re: Professional Services Agreement for Mid-County Master Lift Station Replacement
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

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

Project Understanding

The existing master lift station is located at the Mid-County Wastewater Treatment Plant (WWTP) in Pinellas County, FL and is reaching the end of its useful life. The potential structural failure of the existing wet well arched-wall tank and the limitations of the existing pumps will require the master lift station to be replaced, rather than rehabilitated.

The placement of the new master lift station will be just north of the existing lift station. The replacement lift station will be a triplex submersible lift station with a design flow of 1250 gpm per pump. The required wet well diameter is 12 FT to accommodate pump spacing and size requirements. The pumps should be controlled by VFDs to accommodate variations in flow. The head condition is assumed to be 40 FT total dynamic head (TDH), however this may change depending on the placement and design of the force main and receiving headworks. The lift station is intended to operate as a Class I reliable triplex submersible station for redundancy during pump maintenance or rehabilitation. New mechanical piping, rails, control panels, valves, pressure transducer, flow meter, fittings and appurtenances will be required. The wet well depth is anticipated to be 25 FT. Steel reinforced polymer concrete is recommended for the precast wet well to increase the longevity of the service life. The existing generator is sufficient for the proposed lift station.

A 10-inch force main from the proposed valve vault to the headworks will be required to meet a target velocity between 5 and 7 fps. A grease interceptor to separate the collection system's fats, oils and grease (FOG) from the WWTP's influent is required. The grease interceptor will decrease the buildup of FOG in downstream processes and piping which can limit the facility's effective capacity.

Demolition of existing equipment in the lift station, modifications, and tie-ins to the existing wet well will require a bypassing plan for the three (3) gravity fed influent lines that enter the existing master lift station. A prefabricated manhole will be installed within the existing wet well to act as a terminal manhole. An 18-inch gravity pipe will be required to route flow from the existing wet well (following conversion to terminal manhole) to the proposed master lift station.

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Prior to the completion of the downstream improvements to the headworks and biological treatment system, the VFD's will require a maximum operating speed set point to mimic existing operating conditions to avoid overloading the treatment plant.

The lift station will require permitting through FDEP and Pinellas County.

Scope of Services

TASK 1 –DESIGN

Kimley-Horn will design the proposed lift station using a survey of the surrounding area. A survey of the Mid-County WWTP was completed in 2016 and will be updated as part of Task 1 of the scope of services. The proposed survey will be tied to set benchmarks. Geotechnical engineering will also be required for the wet well design. Geotechnical services for four (4) forty-foot SPT borings is included as part of Task 1 of the scope of services. Electrical Engineering will be required for the panel replacement and relocation in addition to the instrumentation and controls required for integration with the SCADA system on-site.

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

- Standard Cover sheet
- General Notes and Legend
- Lift Station Demolition Plan
- Lift Station Site Plan
- Lift Station Mechanical and Structural Plan
- Lift Station Bypassing and Construction Phasing Plan
- Lift Station Electrical Plans (to be completed by electrical engineer)
- Gravity Main Plan Sheet and Connection Detail
- Force Main Plan Sheet and Connection Detail
- Grease Interceptor Detail
- 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 Utilities Inc. 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.

TASK 2 – PERMITTING

Kimley-Horn will prepare and submit the FDEP Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System, Form 62-604.300(8)(a). This application carries a permit application fee of $250, for Notice of Intent to Use a General Permit. Kimley-Horn will provide all supporting documentation along with the permit.

Note: FDEP permit fees will be paid for by Kimley-Horn and will be included as a reimbursable expense.

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Note: Contractor shall be responsible for submitting and obtaining a Pinellas County Building permit and right-of-way permit if required. Kimley-Horn will provide the contractor the supporting documentation.

Any additional permitting requirements, beyond those listed herein, would be considered an Additional Service.

TASK 3 – BIDDING AND SERVICES DURING CONSTRUCTION

Kimley-Horn will coordinate with a minimum of five (5) 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 four (4) 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

Kimley»Horn

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 a fifth, final site visit 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:

- Environmental
- 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

Kimley»Horn

Fee and Expenses

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

Task 1	Design	$74,000.00
	Includes:	
	2016 Topo and Boundary Survey Update	$ 5,000.00
	Geotechnical Investigations	$ 5,200.00
	Electrical Engineering	$ 7,500.00
Task 2	Permitting	$ 5,000.00
Task 3	Bidding and Construction Phase Service	$22,000.00
Total Lump Sum Fee		**$101,000.00**

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

Kimley»Horn

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:

_X_ 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

W. Wade Wood III, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By: _____, President/Vice President

9/19/19
(Date)

PATRICK C. FLYNN
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Kimley»Horn

July 15, 2020

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

Subject: ***Mid-County Wastewater Treatment Plant Improvements***
Master Lift Station & Headworks – Bid Evaluation

Kimley-Horn and Associates, Inc. (Kimley-Horn) provided the design and bidding services for the following projects relating to the Mid-County Wastewater Treatment Plant Improvements:

- Master Lift Station Replacement
- Headworks and Grit Removal System Improvements

The Master Lift Station Replacement Bids were received and reviewed on April 24, 2020. Upon review of the Bids, Kamminga and Roodvoets, Inc. (K&R) was determined to be the low bidder. A summary of the bid results is shown below:

Master Lift Station Replacement – Bid Review Results (April 24, 2020)	
Contractor	**Total Lump Sum Bid Price**
K&R	$1,591,115.00
Westra Construction	$1,963,748.50
TLC Diversified, Inc.	$2,396,300.00

During the bidding phase of the Master Lift Station Replacement, the design of the Headworks and Grit Removal System Improvements was being completed. As part of the requirements for the construction of the headworks structure, the relocation of underground utilities, including the filter effluent, filter backwash line, water service, and gravity sewer connections were required. It was determined that because K&R's bid was lower by **34%** overall and **28%** for piping installation line items, the cost for underground utility relocations would be most cost effective to complete under the contract for the Master Lift Station Replacement.

The Contract Documents for the Master Lift Station Replacement were revised to include the utility relocations required for the Headworks structure. It was requested that K&R provide a revised lump sum total for the revised bid quantities and additional scope of work. A summary of the proposed changes to the Master Lift Station Replacement contract is shown below:

Master Lift Station Replacement – Cost Changes (July 6, 2020)		
Original Bid Amount	**Revised Bid Amount**	**Net Increase in Total Lump Sum Bid Amount**
$1,591,115.00	$1,928,578.00	$ 337,463.00

Kimley»Horn

The Headworks and Grit Removal System Bids were received and reviewed on June 26, 2020. TLC Diversified, Inc. (TLC) was determined to be the low bidder. The anticipated cost of the Headworks project was initially higher than the bid results due to the utility relocations being removed from the scope of work and being included as part of the Master Lift Station Replacement.

A summary of both project costs as compared to the initial opinion of probable cost is included below:

Project Phase	**Opinion of Probable Cost**	**Original Bid Amount**	**Proposed Total Contract Value**	**Contractor**
Lift Station	$1,762,613.00	$1,591,115.00	$1,928,578.00	K&R
Headworks	$3,429,800.00	$2,237,777.00	*$2,237,777.00*	*TLC (Pending Award)*
Total	**$5,192,413.00**	-	**$4,166,355.00**	-

It is our opinion that including the underground utility relocations within the scope of work for the Master Lift Station improvements reduced the overall project cost for the Headworks, and the total combined cost for both projects. Additionally, completing the utility relocations and underground work with K&R will expedite the schedule and eliminate conflict coordination during construction of the Headworks and Grit Removal Improvements.

Should you have any questions, please contact Shelby Hughes at 727-498-2585 or via email at Shelby.Hughes@Kimley-Horn.com.

Sincerely,

Shelby Hughes, P.E.
Kimley-Horn and Associates, Inc.

Prepared By:
Kimley»Horn

BID FORM UTILITIES INC. OF FLORIDA MID-COUNTY MASTER LIFT STATION REPLACEMENT					
No.	**DESCRIPTION**	**QUANTITY**		**UNIT PRICE**	**AMOUNT**
1	Mobilization (10% Subtotal)	1	LS	$ 195,950.00	$ 195,950.00
2	Temporary Bypass Assembly and Bypass Pumping	1	LS	$ 95,000.00	$ 95,000.00
3	Erosion and Sediment Control	1	LS	$ 34,350.00	$ 34,350.00
4	As-Builts & O&M Manuals	1	LS	$ 10,000.00	$ 10,000.00
5	Utility Coordination	1	LS	$ 20,000.00	$ 20,000.00
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	$ 52,000.00	$ 52,000.00
7	Demolish and Disposal of 10" Gravity Main	0	LF	$ 37.00	$ -
8	Demolish Existing Manhole Cone, Ring, and Cover and Fill Abandoned Manhole With Flowable Fill	3	EA	$ 5,000.00	$ 15,000.00
9	Grout and Abandon Existing Pipe	18	CY	$ 1,000.00	$ 18,000.00
10	Remove Palm Trees	3	EA	$ 650.00	$ 1,950.00
11	Submersible Pumps and Controls including Pressure Transducer, Guide Rails, Brackets, and Floats	1	LS	$ 396,600.00	$ 396,600.00
12	Mechanical Piping Improvements including all Fittings, Valves, Aboveground Piping, Supports, Camlocks, Pressure Gauges, ARV Assembly, and Suction Pipe Assembly	1	LS	$ 125,000.00	$ 125,000.00
13	Washdown Water Line Service and Hose Bib	1	LS	$ 5,000.00	$ 5,000.00
14	Polymer Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	$ 240,000.00	$ 240,000.00
15	Wet Well Top Slab with Pipe Penetrations and Aluminum Access Hatch Assembly with Flood Tight Lid and Safety Grating	1	LS	$ 39,000.00	$ 39,000.00
16	Concrete Slab Around Top Slab (6" Thick)	25	SY	$ 180.00	$ 4,500.00
17	Concrete Ballast	15	CY	$ 400.00	$ 6,000.00
18	Polymer Concrete Manhole	5	EA	$ 19,000.00	$ 95,000.00
19	Polymer Concrete Doghouse Manhole	3	EA	$ 32,000.00	$ 96,000.00
20	8" PVC C900-16 DR 18 Gravity Main (Direct Bury)	85	LF	$ 190.00	$ 16,150.00
21	18" PVC C900-16 DR 18 Gravity Main (Direct Bury)	485	LF	$ 230.00	$ 111,550.00
22	Connection to Existing Manhole	1	LS	$ 4,000.00	$ 4,000.00

Prepared By:
Kimley»Horn

BID FORM UTILITIES INC. OF FLORIDA MID-COUNTY MASTER LIFT STATION REPLACEMENT					
No.	**DESCRIPTION**	**QUANTITY**		**UNIT PRICE**	**AMOUNT**
23	10" PVC C900-16 DR 18 Force Main (Direct Bury)	0	LF	$ 170.00	$ -
24	12" PVC C900-16 DR 18 Force Main (Direct Bury)	145	LF	$ 150.00	$ 21,750.00
25	12" DI Plug Valve (MJ)	3	EA	$ 4,000.00	$ 12,000.00
26	12" DI 90 Deg Bend (MJ)	2	EA	$ 800.00	$ 1,600.00
27	12" DI 45 Deg Bend (MJ)	0	EA	$ 750.00	$ -
28	12" DI Tee (MJ)	2	EA	$ 1,600.00	$ 3,200.00
29	12"X10" DI Reducer (MJ)	0	EA	$ 650.00	$ -
30	10" DI 45 Deg Bend (MJ)	0	EA	$ 650.00	$ -
31	Connection to Existing 10" Force Main	0	EA	$ 5,000.00	$ -
32	Electrical and I&C	1	LS	$ 58,000.00	$ 58,000.00
33	Pavement Repair and Road Restoration (Sub-base, Base, and Asphalt)	20	SY	$ 550.00	$ 11,000.00
34	Sidewalk Restoration	5	SY	$ 200.00	$ 1,000.00
35	Miscellaneous Site Restoration and Cleanup	1	LS	$ 25,000.00	$ 25,000.00
36	Connection of Proposed Force Main to Existing Backwash Water Line	1	LS	$ 25,670.00	25,670.00
37	10" PVC C900-16 DR 18 Gravity Main (Direct Bury)	95	LF	$ 256.00	24,320.00
38	Relocation of Filter Effluent Line	1	LS	$ 75,200.00	75,200.00
39	Relocation of 12" Filter Backwash Water Line	1	LS	$ 74,640.00	74,640.00
40	12" DI Blind Flange	2	EA	$ 981.00	1,962.00
41	6" PVC C900-16 Stub out and Water Tight Cap	1	LS	$ 903.00	903.00
42	Relocation of Ferric Sulfate Injection Line	1	LS	$ 11,283.00	$ 11,283.00
				TOTAL	**$ 1,928,578**
BID ITEM ALTERNATIVE					
A-1	Standard Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	$ 192,500.00	$ 192,500.00
A-2	Standard Concrete Manhole	5	EA	$ 16,500.00	$ 82,500.00

Prepared By:
Kimley»Horn

BID FORM UTILITIES INC. OF FLORIDA MID-COUNTY MASTER LIFT STATION REPLACEMENT					
No.	**DESCRIPTION**	**QUANTITY**		**UNIT PRICE**	**AMOUNT**
A-3	Standard Concrete Doghouse Manhole	3	EA	$ 29,700.00	$ 89,100.00

QUOTE

Mid County LS

Revised Plans

KAMMINGA & ROODVOETS, INC.
5219 Cone Road
Tampa, Florida 33610

PH 813-623-3031
FX 813-628-4490

July 6, 2020

ITEM NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	TOTAL AMOUNT
3	Plan Sht G-06, Added Const. Exit, Add. Silt Fence, Stormwater Plan, Info Sign	1.00	LS	$ 19,350.00	$ 19,350.00
1	Plan Sht C-01, Additional Removal	1.00	LS	$ 26,500.00	$ 26,500.00
1	Additional Manhole Cost For Depth, Drops & Boot Size Changes	1.00	LS	$ 26,450.00	$ 26,450.00
36	Connection Of Proposed FM to Existing Backwash Water Line	1.00	LS	$ 25,670.00	$ 25,670.00
37	10" PVC C900-16 DR 18 Gravity Main (Direct Bury)	95.00	LF	$ 256.00	$ 24,320.00
38	Relocation Of Filter Effluent Line (16")	1.00	LS	$ 75,200.00	$ 75,200.00
39	Relocation Of 12" Filter Backwash Water Line & Thrust Block	1.00	LS	$ 74,640.00	$ 74,640.00
40	12" DI Blind Flange	2.00	EA	$ 981.00	$ 1,962.00
41	6" PVC C900-16 Stub Out & Water Tight Cap	1.00	LS	$ 903.00	$ 903.00
42	Relocation of Ferric Sulfate Injection Line	1.00	LS	$ 11,283.00	$ 11,283.00
				TOTAL	$ 286,278.00

NOTES:
Changes Based On Plan Revisions Dated 7-1-2020

SECTION 00530

NOTICE TO PROCEED FORM

To: Kamminga & Roodvoets, Inc.
5219 Cone Rd, Tampa, Fl 33610

Notice to Proceed Date: **October 19, 2020**

Project Name: **Mid-County Master Lift Station Replacement**

Bid No.: **N/A**

You are hereby notified to commence WORK in accordance with the Agreement dated August 8 2020. This Notice authorizes the CONTRACTOR to commence construction on the above date and, in accordance with the Agreement, all work shall be substantially complete within 240 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is June 16, 2021. The date of Final Completion is July 16, 2021.

ISSUED BY: Utilities, Inc. of Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick C. Flynn, Vice President of Operations
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by Kamminga & Roodvoets, Inc.

this_____day of_____,_____.

By

Printed Name and Title

END OF SECTION

SECTION 00510

NOTICE OF AWARD FORM

To:

Project Name and Bid No.: **Mid-County Master Lift Station Replacement**
Project No. 140056016

The OWNER has considered the BID submitted by you, dated April 24th, 2020 for the above described WORK in response to the Invitation for Bids and Information for Bidders.

You are hereby notified that your BID has been accepted for BID items in the amount of $ One Million Five Hundred Ninety-One Thousand One Hundred Fifteen Dollars ($ 1,591,115.00).

You are required by the Instructions to Bidder to execute the Agreement and furnish the required CONTRACTOR's Performance Bond, Payment Bond, and certificates of insurance within fourteen (14) calendar days from the date of this Notice to you. If you fail to execute said Agreement and to furnish said Bonds and insurance within fourteen (14) calendar days from receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 13th day of May, 2020.

OWNER: Utilities, Inc. Of Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick C. Flynn, Vice President
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE OF AWARD is hereby acknowledged by _____ _____this_____day of_____,_____.

_____
By

_____
Printed Name and Title

END OF SECTION

SECTION 00520

AGREEMENT FORM (LUMP SUM)

PART 1 GENERAL

1.01 **THIS AGREEMENT**, made this 8th day of August, 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Kamminga & Roodvoets, Inc., whose principal and local address is 5219 Cone Rd, Tampa, FL 33610, hereinafter called the Contractor.

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

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Mid-County Master Lift Station Replacement.

C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is 240 calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof,

OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $100.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of One Million Nine Hundred Twenty-Eight Thousand Five Hundred and Seventy-Eight Dollars ($ 1,928,578.00). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

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

G. Retainage

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

H. Engineer

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

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

CONTRACTOR:

Kamminga & Roodvoets, Inc.
Name of Firm

By (Signature) (SEAL)

Marcus B. Tidey, Jr. - Vice President
Printed Name and Title

ATTEST:

By (Signature)

Brad Tidey - Assistant Secretary of Florida Operations
Printed Name and Title

OWNER:

Utilities, Inc. Of Florida
Name of Owner

By (Signature) (SEAL)

Patrick C. Flynn, Vice President
Printed Name and Title

ATTEST:

By (Signature)

Michael Wilson, Regional Manager
Printed Name and Title

END OF SECTION

MID-COUNTY HEADWORKS REPLACEMENT				1 TLC Diversified, Inc 2719 17th Street Ease Palmetto, FL 34221		2 SGS Contracting Services, Inc. PO Box 908 High Springs, FL 32655		Engineers Estimate	
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
								Contigency (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

MID-COUNTY MASTER LIFT STATION REPLACEMENT				1 TLC Diversified, Inc 2719 17th Street Ease Palmetto, FL 34221		2 Westra 1263 12th Ave E Palmetto, FL 34221		3 K&R 5219 Cone Road Tampa, FL 33610		4 Garney Construction 2151 NE Coachman Rd Clearwater, FL 33765		5 Wharton-Smith, Inc. 4912 W La Salle St Tampa, FL 33607		Engineers Estimate	
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**	**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	$ 230,000.00	$ 230,000.00	$ 195,000.00	$ 195,000.00	$ 143,000.00	$ 143,000.00					$ 133,000.00	$ 133,000.00
2	Temporary Bypass Assembly and Bypass Pumping	1	LS	$ 65,000.00	$ 65,000.00	$ 150,000.00	$ 150,000.00	$ 95,000.00	$ 95,000.00					$ 100,000.00	$ 100,000.00
3	Erosion and Sediment Control	1	LS	$ 8,000.00	$ 8,000.00	$ 2,550.00	$ 2,550.00	$ 15,000.00	$ 15,000.00					$ 30,000.00	$ 30,000.00
4	As-Builts & O&M Manuals	1	LS	$ 6,000.00	$ 6,000.00	$ 4,100.00	$ 4,100.00	$ 10,000.00	$ 10,000.00					$ 5,000.00	$ 5,000.00
5	Utility Coordination	1	LS	$ 5,000.00	$ 5,000.00	$ 9,600.00	$ 9,600.00	$ 20,000.00	$ 20,000.00					$ 5,000.00	$ 5,000.00
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	$ 65,000.00	$ 65,000.00	$ 83,000.00	$ 83,000.00	$ 52,000.00	$ 52,000.00					$ 120,000.00	$ 120,000.00
7	Demolish and Disposal of 10" Gravity Main	145	LF	$ 50.00	$ 7,250.00	$ 15.30	$ 2,218.50	$ 37.00	$ 5,365.00					$ 150.00	$ 21,750.00
8	Demolish Existing Manhole Cone, Ring, and Cover and Fill Abandoned Manhole With Flowable Fill	3	EA	$ 1,500.00	$ 4,500.00	$ 3,000.00	$ 9,000.00	$ 5,000.00	$ 15,000.00					$ 10,000.00	$ 30,000.00
9	Grout and Abandon Existing Pipe	10	CY	$ 400.00	$ 4,000.00	$ 540.00	$ 5,400.00	$ 1,000.00	$ 10,000.00					$ 500.00	$ 5,000.00
10	Remove Palm Trees	3	EA	$ 1,500.00	$ 4,500.00	$ 700.00	$ 2,100.00	$ 650.00	$ 1,950.00					$ 8,000.00	$ 24,000.00
11	Submersible Pumps and Controls including Pressure Transducer, Guide Rails, Brackets, and Floats	1	LS	$ 283,000.00	$ 283,000.00	$ 350,000.00	$ 350,000.00	$ 396,600.00	$ 396,600.00					$ 150,000.00	$ 150,000.00
12	Mechanical Piping Improvements including all Fittings, Valves, Aboveground Piping, Supports, Camlocks, Pressure Gauges, ARV Assembly, and Suction Pipe Assembly	1	LS	$ 75,000.00	$ 75,000.00	$ 130,000.00	$ 130,000.00	$ 125,000.00	$ 125,000.00					$ 100,000.00	$ 100,000.00
13	Washdown Water Line Service and Hose Bib	1	LS	$ 5,000.00	$ 5,000.00	$ 1,200.00	$ 1,200.00	$ 5,000.00	$ 5,000.00					$ 5,000.00	$ 5,000.00
14	Polymer Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	$ 1,044,000.00	$ 1,044,000.00	$ 505,000.00	$ 505,000.00	$ 240,000.00	$ 240,000.00					$ 300,000.00	$ 300,000.00
15	Wet Well Top Slab with Pipe Penetrations and Aluminum Access Hatch Assembly with Flood Tight Lid and Safety Grating	1	LS	$ 26,000.00	$ 26,000.00	$ 20,000.00	$ 20,000.00	$ 39,000.00	$ 39,000.00	NO BID		NO BID		$ 30,000.00	$ 30,000.00
16	Concrete Slab Around Top Slab (6" Thick)	25	SY	$ 340.00	$ 8,500.00	$ 107.00	$ 2,675.00	$ 180.00	$ 4,500.00					$ 100.00	$ 2,500.00
17	Concrete Ballast	15	CY	$ 400.00	$ 6,000.00	$ 750.00	$ 11,250.00	$ 400.00	$ 6,000.00					$ 150.00	$ 2,250.00
18	Polymer Concrete Manhole	3	EA	$ 30,000.00	$ 90,000.00	$ 20,000.00	$ 60,000.00	$ 19,000.00	$ 57,000.00					$ 20,000.00	$ 60,000.00
19	Polymer Concrete Doghouse Manhole	3	EA	$ 35,000.00	$ 105,000.00	$ 18,000.00	$ 54,000.00	$ 32,000.00	$ 96,000.00					$ 15,000.00	$ 45,000.00
20	8" PVC C900-16 DR 18 Gravity Main (Direct Bury)	120	LF	$ 270.00	$ 32,400.00	$ 250.00	$ 30,000.00	$ 190.00	$ 22,800.00					$ 100.00	$ 12,000.00
21	18" PVC C900-16 DR 18 Gravity Main (Direct Bury)	275	LF	$ 400.00	$ 110,000.00	$ 285.00	$ 78,375.00	$ 230.00	$ 63,250.00					$ 200.00	$ 55,000.00
22	Connection to Existing Manhole	1	LS	$ 3,300.00	$ 3,300.00	$ 7,000.00	$ 7,000.00	$ 4,000.00	$ 4,000.00					$ 4,000.00	$ 4,000.00
23	10" PVC C900-16 DR 18 Force Main (Direct Bury)	20	LF	$ 330.00	$ 6,600.00	$ 175.00	$ 3,500.00	$ 170.00	$ 3,400.00					$ 175.00	$ 3,500.00
24	12" PVC C900-16 DR 18 Force Main (Direct Bury)	310	LF	$ 135.00	$ 41,850.00	$ 185.00	$ 57,350.00	$ 150.00	$ 46,500.00					$ 200.00	$ 62,000.00
25	12" DI Plug Valve (MJ)	2	EA	$ 4,600.00	$ 9,200.00	$ 5,000.00	$ 10,000.00	$ 4,000.00	$ 8,000.00					$ 10,000.00	$ 20,000.00
26	12" DI 90 Deg Bend (MJ)	2	EA	$ 1,050.00	$ 2,100.00	$ 1,400.00	$ 2,800.00	$ 800.00	$ 1,600.00					$ 1,200.00	$ 2,400.00
27	12" DI 45 Deg Bend (MJ)	3	EA	$ 975.00	$ 2,925.00	$ 1,400.00	$ 4,200.00	$ 750.00	$ 2,250.00					$ 1,000.00	$ 3,000.00
28	12" DI Tee (MJ)	1	EA	$ 1,400.00	$ 1,400.00	$ 2,200.00	$ 2,200.00	$ 1,600.00	$ 1,600.00					$ 1,500.00	$ 1,500.00
29	12"X10" DI Reducer (MJ)	1	EA	$ 850.00	$ 850.00	$ 1,220.00	$ 1,220.00	$ 650.00	$ 650.00					$ 1,200.00	$ 1,200.00
30	10" DI 45 Deg Bend (MJ)	1	EA	$ 800.00	$ 800.00	$ 1,200.00	$ 1,200.00	$ 650.00	$ 650.00					$ 900.00	$ 900.00
31	Connection to Existing 10" Force Main	1	EA	$ 1,625.00	$ 1,625.00	$ 8,100.00	$ 8,100.00	$ 5,000.00	$ 5,000.00					$ 5,000.00	$ 5,000.00
32	Electrical and I&C	1	LS	$ 100,000.00	$ 100,000.00	$ 108,700.00	$ 108,700.00	$ 58,000.00	$ 58,000.00					$ 250,000.00	$ 250,000.00
33	Pavement Repair and Road Restoration (Sub-base, Base, and Asphalt)	20	SY	$ 200.00	$ 4,000.00	$ 70.00	$ 1,400.00	$ 550.00	$ 11,000.00					$ 150.00	$ 3,000.00
34	Sidewalk Restoration	5	SY	$ 500.00	$ 2,500.00	$ 122.00	$ 610.00	$ 200.00	$ 1,000.00					$ 75.00	$ 375.00
35	Miscellaneous Site Restoration and Cleanup	1	LS	$ 35,000.00	$ 35,000.00	$ 50,000.00	$ 50,000.00	$ 25,000.00	$ 25,000.00					$ 10,000.00	$ 10,000.00
	BID ITEM ALTERNATIVE														
A-1	Standard Concrete Wet Well (10 FT Diameter x 25 FT Depth)	1	LS	$ 1,020,000.00	$ 1,020,000.00	$ 483,000.00	$ 483,000.00	$ 192,500.00	$ 192,500.00					-	-
A-2	Standard Concrete Manhole	3	EA	$ 25,000.00	$ 75,000.00	$ 10,800.00	$ 32,400.00	$ 16,500.00	$ 49,500.00					-	-
A-3	Standard Concrete Doghouse Manhole	3	EA	$ 30,000.00	$ 90,000.00	$ 12,800.00	$ 38,400.00	$ 29,700.00	$ 89,100.00					-	-
														Contingency (10%)	$ 160,237.50
	BID TOTAL				**$ 2,396,300.00**		**$ 1,963,748.50**		**$ 1,591,115.00**		**$ -**		**$ -**	Including 10% Contingency	**$ 1,762,612.50**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-15) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2019154

Requested by: Michael Wilson
Project Manager / Area Manager

Date: 10/17/2019

Project Name: Mid Co. LS 4 & LS 7 Generators

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 250100 **MID-COUNTY**

BU Type: SP

Project Owner: Patrick Flynn

Budget Owner / RP: John Hoy

Project Manager: Michael Wilson

Region: Florida 4

Start Date: 10/14/2019 Q4 2019

State: FL

Estimated End Date: 3/29/2019 Q1 2019

Primarily Like-For-Like Asset Replacement? No

Will project replace/retire any assets: No

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**11,000**	**105,530**	**116,530**
Still to be Requested:			0
Total Project Budget:	**11,000**	**105,530**	**116,530**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Engineering design, permitting and construction associated with the following:

1. (1 each) 40 kW 240V 3Ph generator with ATS at LS 4 (Macaroni Grill LS)
2. (1 each) 60 kW 480V 3Ph generator with ATS at LS 7 (Wilshire LS).
3. Obtain R/W use permit from FDOT for LS 4.
4. Resolve Pinellas easement issues at LS 7.
5. CEI services.

Both units include a double-walled sub-base diesel fuel tank with interstitial monitoring.
Genset-related alarms will output to the existing C&A alarm panels.

Timeline Considerations:

This project is in response to discussions with Florida Department of Environmental Protection staff in response to a recent Warning Letter having to do with SSO's in 2Q and 3Q 2019.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The dry weather flow through Lift Station 4 (Macaroni Grill LS, 7.5 Hp pumps) is roughly 25% of the Mid-County WWTP's influent flow. During and after heavy rain events, the volume pumped at LS 4 rapidly and significantly increases. A power outage in dry or wet weather at the station substantially increases the risk of an SSO at or near the lift station. The station is within the US 19 R/W and next to a drainage swale that empties into Curlew Creek.

Lift Station 7 (Wilshire Dr., 15 Hp pumps) is directly adjacent to Curlew Creek, a tributary to the Gulf of Mexico. Similarly, a loss of normal power, especially during wet weather conditions when the flow jumps quickly, is likely to cause an SSO that will flow directly into the creek.

Both lift stations have had power failures over the last year resulting in SSO's that entered Curlew Creek, which prompted FDEP to hold an informal conference in September 2019 following the issuance of a Warning Letter. By installing generators and auto transfer switches at each station, the risk of future SSO's will be mitigated substantially, especially when outages occur outside of normal business hours. The time lag after a power failure occurs to respond with a trailer-mounted generator can exceed the storage capacity of the lift station wet well and piping network.

Risk Evaluation

Continued SSO's as a result of power failures will likely trigger FDEP enforcement action (Consent Order with penalty) and a commitment to address the risk of additional SSO's.

Alternatives Considered:

We have in the past responded with our portable genset or our bypass pump. However, with the current flows at these stations and the limited retention time of the wetwell, the time to respond exceeds the storage capacity at each station.

A future capital project may include the installation of SCADA equipment at all 18 Mid-County lift stations. However, LS 4 and LS 7 already have a remote alarm panel that provides timely notice of loss of power and wet well high level. Therefore, SCADA will not appreciably reduce the risk of SSO's at either location when power failures are isolated, not widespread across the collection system.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
45545	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	11/15/2019	100.00	
45544	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	11/15/2019	100.00	
45964	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	11/30/2019	200.00	
47344	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	12/15/2019	100.00	
51276	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	02/15/2020	100.00	
51275	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	02/15/2020	100.00	
48761	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/15/2020	100.00	
48762	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/15/2020	100.00	
53041	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	102.00	
52919	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	361.44	
52918	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	361.44	
52744	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	300.00	
52745	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	100.00	
52782	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	200.00	
52783	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	03/31/2020	200.00	
54134	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	04/30/2020	100.00	
54135	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	04/30/2020	100.00	
65579	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	05/15/2020	100.00	
119924	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	06/22/2020		
175784	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	07/14/2020		
175781	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	07/17/2020		
214287	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	08/07/2020		
239544	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	08/14/2020		
244003	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	08/14/2020	7.69	
244002	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330115 Seminole/Orange Cost Center	08/15/2020	9.66	
239546	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	08/21/2020		
308939	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
381652	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	10/20/2020		
425058	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	11/13/2020		
478100	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330070 Mid-County Services Inc	11/17/2020	1,594.22	
471189	Florida-MID CO LS 4 & LS 7 GENERATORS	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		4,436.45
33768	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330115 Seminole/Orange Cost Center	10/21/2019	8,750.00	
45040	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330115 Seminole/Orange Cost Center	11/21/2019	1,250.00	
47343	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330115 Seminole/Orange Cost Center	12/11/2019	5,000.00	
63363	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330115 Seminole/Orange Cost Center	05/26/2020	260.00	
202065	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330115 Seminole/Orange Cost Center	07/27/2020	1,500.00	
428144	Florida-MID CO LS 4 & LS 7 GENERATORS	Engineering	Engineering	2410-330070 Mid-County Services Inc	11/10/2020	1,000.00	
45600	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	11/05/2019	28,638.55	
46429	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	11/13/2019	27,820.00	
54977	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	04/15/2020	26,382.50	
55035	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	04/30/2020	7,500.00	
63420	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	05/26/2020	40.00	
158383	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330115 Seminole/Orange Cost Center	06/25/2020	17.75	
428355	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330070 Mid-County Services Inc	09/30/2020	31.27	
465065	Florida-MID CO LS 4 & LS 7 GENERATORS	Equipment	Equipment	2410-330070 Mid-County Services Inc	12/03/2020	11,508.95	119,699.02
43043	Florida-MID CO LS 4 & LS 7 GENERATORS	Interest During Construction	Interest During Construction	2410-330115 Seminole/Orange Cost Center	10/31/2019	65.84	
45486	Florida-MID CO LS 4 & LS 7 GENERATORS	Interest During Construction	Interest During Construction	2410-330115 Seminole/Orange Cost Center	11/30/2019	503.11	568.95
							124,704.42

Kimley»Horn

September 1, 2019

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

Re: Professional Services Agreement for Lift Station Generator Equipment
Utilities Inc. of Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("UIF" of "Client") for providing design, permitting, and construction phase services for the addition of a back-up generator to two (2) lift station sites owned and operated by UIF.

Project Understanding

Wilshire Drive Lift Station:

The Wilshire Drive Lift Station is located in the City of Dunedin near Belcher Road off Wilshire Drive. The lift station property is located within an easement owned by Pinellas County. The proposed generator is estimated to be a 60kW generator with a skid mounted diesel fuel tank. The dimensions are approximately 9FT (L) x 4 FT (W) with a concrete slab approximately 11 FT x 6 FT. Approval from Pinellas County for generator placement will be required, in addition to a County Site Plan Approval and FDEP permit.

The lift station site is not located within the existing or future flood plain limits for a 10/25-year storm and the generator is not anticipated to require an elevated slab or structure.

Macaroni Grill Lift Station:

The Macaroni Grill Lift Station is located in Pinellas County off of US-19 near Boy Scout Road. The lift station property is located within the right-of way and a utility easement. The proposed generator is estimated to be a 40kW generator with a skid mounted diesel fuel tank. The dimensions are approximately 9FT (L) x 4 FT (W) with a concrete slab approximately 11 FT x 6 FT. Approval from FDOT for generator placement will be required, in addition to an FDOT ROW permit, and FDEP permit.

The lift station site is not located within the existing or future flood plain limits for a 10/25-year storm and the generator is not anticipated to require an elevated slab or structure.

Scope of Services

TASK 1 –DESIGN

Kimley-Horn will design the proposed generator improvements based on existing site survey information. Survey, Geotechnical, and Electrical engineering will not be completed as part of this task. Construction

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

- Standard Cover sheet
- General Notes and Legend
- Wilshire Drive Generator Site Plan
- Macaroni Grill Generator Site Plan

Plans will be delivered to the Client electronically for review and comment at the 90% design. 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.

Kimley-Horn will not prepare specifications as part of this task.

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.

TASK 2 – PERMITTING

Kimley-Horn will prepare and submit application for the FDOT ROW permit for the Macaroni Grill Lift Station.

Kimley-Horn will prepare and submit application for the Pinellas County Site Plan Approval for the Wilshire Drive Lift Station.

Kimley-Horn will prepare and submit the FDEP Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System, Form 62-604.300(8)(a) for both lift stations. This application carries a permit application fee of $250, for Notice of Intent to Use a General Permit. Kimley-Horn will provide all supporting documentation along with the permit.

Note: FDEP permit fees will be paid for by Kimley-Horn and will be included as a reimbursable expense.

Note: Contractor shall be responsible for submitting and obtaining a Pinellas County Building permit if required for both lift stations. Kimley-Horn will provide the contractor the supporting documentation.

Any additional permitting requirements, beyond those listed herein, would be considered an Additional Service.

TASK 3 –SERVICES DURING CONSTRUCTION

Kimley-Horn will coordinate a pre-construction conference prior to commencement of work at the site. Kimley-Horn will provide five (5) 11x17 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 one (1) visit 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 a final site visit 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:

- Survey
- Geotechnical
- Electrical
- Structural
- Environmental
- 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

Kimley»Horn

Fee and Expenses

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

Task 1	Design	$7,500.00
Task 2	Permitting	$2,500.00
Task 3	Construction Phase Service	$1,000.00
Total Lump Sum Fee		**$11,000.00**

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

Kimley»Horn

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:

_X_ 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

W. Wade Wood III, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By:

_____, President/Vice President

October 18, 2019
(Date)

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

patrick.flynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Generator Bids

Site	Model/Size/Fuel	Vendor	Proposed Cost	Selected
Mid County Wilshire LS 7	Generac / 60Kw 480V 3Ph / Diesel	Ellis Automated	$55,960.65	No
Mid County Macaroni LS 4	Generac / 50Kw 240V 3Ph / Diesel	Ellis Automated	$57,597.72	No
Orangewood Well 1	Generac / 50Kw 240V 3Ph / Diesel	Ellis Automated	$57,597.72	No
Mid County Wilshire LS 7	Kohler / 42Kw 480V 3Ph / Diesel	EESI	$65,322.26	No
Mid County Macaroni LS 4	Kohler / 42Kw 240V 3Ph / Diesel	EESI	$65,671.00	No
Orangewood Well 1	Kohler/ 49Kw 240V 3Ph / Diesel	EESI	$47,900.00	No
Mid County Wilshire LS 7	Bluestar / 60Kw 480V 3Ph / Diesel	Paramount Power	$52,000.00	Yes
Mid County Macaroni LS 4	Bluestar / 40Kw 240V 3Ph / Diesel	Paramount Power	$53,530.00	Yes
Orangewood Well 1	Bluestar / 50 Kw 240V 3Ph / Diesel	Paramount Power	$42,848.43	Yes

Note: All Generators include installation, fuel cells, sound enclosures and ATS (Turn Key).

PARAMOUNT POWER

TOTAL SOLUTIONS FOR EMERGENCY POWER SYSTEMS

February 12, 2019

Mr. Lee Neal
Utilities Inc
2340 Wilshire Dr
Dunedin, FL

Dear Mr. Neal,

Per your request, please find below a quotation for a new **60kw Diesel** generator and 104 AMP ATS:

Quantity	Description
1	Blue Star PD60-01, 60kw Diesel, UL 2200, CSA Approved
1	480/277 Volt, Three Phase, 60 Hz, 0.8 PF
1	Perkins Engine, 1800 RPM Governor- Electronic Isochronous
1	Marathon PM300 Automatic Voltage Regulator with PMG Excitation
1	Deep Sea Controller DSE7310
1	100AMP, 3 Pole, 480v Breaker Mounted & Wired in a NEMA 1 enclosure
1	Level 3 Sound Attenuated Enclosure, Powder Coated .090 Aluminum
1	150 MPH Wind Rated Enclosure with Exhaust Hood Pitched Roof
1	ASCO 300 Series, D Frame, 104AMP,277/480V,3 Pole with Solid Neutral, NEMA 4X 304 Stainless Steel Enclosure, 23GB, 11BE
1	**Warranty Two (2) Year / 2000 Hour Limited**

Total Investment: $52,000.00 Plus Applicable Tax

Mr. Neal, the above price includes: equipment, freight, concrete pad, trenching and backfill, permits and drawings, offloading, installation by Commercial Electric and start up. Price does not include: fencing or landscaping. Delivery is approximately 10-12 weeks from date of order. Terms are 50% ($26,000.00) upon acceptance with 50% ($26,000.00) due upon delivery and start up. Should you have questions please call us.

Respectfully submitted,

Carlos Salcido
Power System Sales

Michael A. Wilson 4/9/2019

Customer Acceptance **Date**

7855 126th Ave N, Largo, FL 33773 • Phone: 727-536-9979 • Fax: 727-530-1495
www.paramountpwr.com

PARAMOUNT POWER

TOTAL SOLUTIONS FOR EMERGENCY POWER SYSTEMS

January 28, 2019

Mr. Lee Neal
Utilities Inc
28795 US Highway 19 N.
Clearwater, FL

Dear Mr. Neal,

Per your request, please find below a quotation for a new **40kw Diesel** generator and 104 AMP ATS:

Quantity	Description
1	Blue Star JD40-03, 40kw Diesel, UL 2200, CSA Approved
1	240/120 Volt, Three Phase, 60 Hz, 0.8 PF
1	John Deere Engine, 1800 RPM Governor- Electronic Isochronous
1	Marathon PM300 Automatic Voltage Regulator with PMG Excitation
1	Deep Sea Controller DSE7310
1	100AMP, 3 Pole, 240v Breaker Mounted & Wired in a NEMA 1 enclosure
1	Level 2 Weather Proof Enclosure, Powder Coated .090 Aluminum
1	150 MPH Wind Rated Enclosure, Gravity Exhaust Louver Mounted
1	ASCO 300 Series, D Frame, 104AMP,120/240V,3 Pole with Solid Neutral, NEMA 4X 304 Stainless Steel Enclosure, 23GB, 11BE
1	**Warranty Two (2) Year / 2000 Hour Limited**

Total Investment: $53,530.00 Plus Applicable Tax

Mr. Neal, the above price includes: equipment, freight, concrete pad, trenching and backfill, permits and drawings, offloading, installation by Commercial Electric and start up. Price does not include: fencing or landscaping. Delivery is approximately 10-12 weeks from date of order. Terms are 50% ($26,765.00) upon acceptance with 50% ($26,765.00) due upon delivery and start up. Should you have questions please call us.

Respectfully submitted,

Carlos Salcido
Power System Sales

Michael A. Wilson 4/9/2019
Customer Acceptance **Date**

7855 126th Ave N, Largo, FL 33773 • Phone: 727-536-9979 • Fax: 727-530-1495
www.paramountpwr.com

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-16) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Mike Wilson *Project Manager / Area Manager*	**Date:**	6/4/2020
Project Name:	MC Curlew Creek I&I Remedies		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	250100 **MID-COUNTY**		
		BU Type:	SP
Project Owner:	Patrick Flynn		
		Budget Owner / RP:	Gary Rudkin
Project Manager:	Mike Wilson / Lee Neal		
		Region:	Florida 4
Start Date:	6/29/2020 Q2 2020		
		State:	FL
Estimated End Date:	10/31/2020 Q4 2020		
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**89,683**	**544,619**	**634,302**
Still to be Requested:			0
Total Project Budget:	**89,683**	**544,619**	**634,302**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project is part of a multi-phased effort to reduce excess I&I in the Mid-County collection system. Subsequent phases will be carried out over the next five years.
This project is comprised of the following elements that reflect deficient gravity mains in various areas of the system including Curlew Creek, US 19 corridor, Wilshire suddivion, Doral MHP and east of Cheasapeake Apts:

1) Cleaning and CCTV of 6,498 LF of 8" & 10" VCP GSM.
2) CIPP rehabilitation of 6,198 LF of 8" VCP GSM.
3) CIPP rehabilitation of 300 LF of 10" VCP GSM.
4) Reinstatement of 30 service laterals.
5) Lateral CIPP tophat lining of 30 each service laterals, 4"D X 36"L.
6) Rehabilitation of 36 precast manholes.
7) Rehabilitation of three brick manholes with FRP Liners and new cones (TLC).
8) Emergency replacement and lining of 8" VCP GSM in Pepperwood subdivision due to collapsed pipe that includes:
   a) Emergency dewatering, by-pass pumping, excavation and replacement of 25 LF of 8" VCP pipe with 8" SDR26 PVC pipe.
   b) Cleaning and removal of solids deposited downstream where sediment from the collapsed pipe collected in pipe and manholes.
   c) Installation of 125 LF of 8" cured in place piping (CIPP) from manhole to manhole of the failed pipe run.

Timeline Considerations:

This is a pro forma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as a proforma.

Inter-dependent Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

A vast majority of the Mid-County collection system was constructed in the 1970's. The gravity mains consist primarily of vitrified clay pipe (VCP). The wastewater is treated at the Mid County WWTP. This facility has had regulatory violations in 2019 related to excess I & I impacting the plant's treatment process as a result of collection system deficiencies and high groundwater tables. Making these improvements will reduce operating expense and extend the service life of the collection system by restoring the integrity of the gravity mains integral to this project. The benefit in the reduction of operating expense is not calculable at this time as the quantity of infiltration is not readily measurable and is based upon seasonal groundwater tables that vary according to weather patterns.

Risk Evaluation

This project will repair damaged gravity sewer mains that if not addressed, would continue to be sources of excess I&I that increases the possibility of future compliance enforcement action. As well, the vast majority of this collection system project is located directly alongside of Curlew creek which is a major stormwater basin for this heavily populated area, and a direct discharge to state waters. Should a catastrophic failure of a gravity main happen it could lead potentially leading to significant damage associated with such an event, and significant compliance fines.

Alternatives Considered:

Recovery of this investment is timely not only from a rate making perspective but also due to the condition of the aging infrastructure and the need to address the many failures throughout the collection system thereby reducing O&M and extending the life of the assets. The longer these conditions exist the worse they will become eventually leading to collapse and complete failure. There are two components to this project. CIPP lining & service lateral lining and manhole lining activity. Three vendors bid the lining/rehab portion to include manhole rehabilitation. Three manholes were red brick and are along the creek bank, TLC was the only vendor that provides FRP liners in this area of the state and was chosen to install liners on those 3 manholes.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
214238	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	07/27/2020		
214282	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	08/06/2020		
238992	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	08/12/2020		
238989	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	08/19/2020		
238988	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	08/21/2020		
353217	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	09/30/2020		
366558	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	10/07/2020		
381650	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	10/20/2020		
376570	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	10/28/2020		
471141	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	11/16/2020		
471186	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	11/17/2020		
471187	Florida-MC CURLEW CREEK I&I REMEDIES	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		1,815.00
222002	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/31/2020	2,672.90	
222003	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/31/2020	10,000.00	
222000	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/31/2020	7,313.90	
356001	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	1,000.00	
357001	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	3,819.20	
357003	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	11,457.60	
357002	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	13,802.60	
357000	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	2,000.00	
357004	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	3,819.20	
356002	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	2,000.00	
356003	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	2,500.00	
356004	Florida-MC CURLEW CREEK I&I REMEDIES	Engineering	Engineering	2410-330070 Mid-County Services Inc	10/30/2020	763.84	
158427	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	07/27/2020	7,735.00	
206009	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	08/19/2020	7,500.00	
304030	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	09/11/2020	3,000.00	
272007	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	09/11/2020	3,753.00	
333005	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	10/17/2020	38,410.00	
428055	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	11/10/2020	3,164.40	
450004	Florida-MC CURLEW CREEK I&I REMEDIES	Grouting/Sealing	Grouting/Sealing	2410-330070 Mid-County Services Inc	11/19/2020	105,959.20	230,670.84
195189	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	07/31/2020	58.21	
258124	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	5.53	
258090	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	150.40	
258085	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	114.64	
357034	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	5.53	
357033	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	150.40	
357035	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	137.22	
391118	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	11.29	
391114	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	460.15	
391122	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	426.25	
488131	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	13.66	
488106	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	460.15	
488125	Florida-MC CURLEW CREEK I&I REMEDIES	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	426.25	2,419.68
							234,905.52

Insituform Technologies, LLC is a subsidiary of Aegion Corporation

Insituform Technologies, LLC

17988 Edison Avenue
Chesterfield, MO 63005
www.insituform.com

Kenny Boeh
Business Development Manager

Phone: (412) 310-8826
Fax: (813) 627-0006
Email: kboeh@aegion.com

5/6/2020 **AAJA-YVJNDL**

Utilities, Inc. of Florida

Email: wlneal@uiwater.com
Office: 800-272-1919

Re: Clearwater, FL Mid-County Sanitary Sewer Rehabilitation Project

Dear Lee,

Insituform Technologies, LLC, ("ITLLC") is pleased to provide the following proposal to **Utilities, Inc.**, hereinafter referred to as "Customer", for the scope of work detailed below for the above-referenced Project.

INSITUFORM SCOPE OF WORK / RESPONSIBILITIES

ITLLC will provide the following:

1. Mobilization and demobilization of personnel, equipment, and materials to and from the Project site. The price presented is based upon one (1) instance of mobilization and demobilization.
2. Install **polyester** resin impregnated CIPP liner in accordance with ASTM F1216 or F1743 using either water or air/pull-in/steam, at the discretion of ITLLC. We have not included any costs associated with the disposal of inversion water.
3. Manhole Rehabilitation using Raven 405 including patch/repair all minor voids, and/or areas of seepage, as necessary with Raven approved repair mortars up to 1/2" thick. Topcoat with Raven 405 Ultra High Build Epoxy at 125 mil thickness. The monolithic epoxy coating of entire structure to be inspected with high voltage Holiday detection equipment.
4. Clean and CCTV inspection of 30 laterals for Lateral CIPP Lining Top Hat / Full Wrap- up to 36" on 4" Lateral Connection.
5. Clean and CCTV inspection of the pipe before the lining process with CCTV inspection after lining is complete as a deliverable.
6. Standard ITLLC one-year warranty from date of installation, excluding any required warranty TV inspection and/or testing.
7. Standard insurance coverage with the following limits:
   General Liability: $2,000,000 per occurrence/$4,000,000 aggregate
   Auto: $2,000,000 Combined Single Limit
   Workers Compensation: Statutory with $1,000,000 Employer's Liability
   The above insurance shall not include Primary and Non-Contributory Coverage and ITLLC shall not provide a Waiver of Subrogation endorsement.

NOTE: Modifications to the Scope of Work/Responsibilities of ITLLC may result in a change in price and/or duration.

ASSUMPTIONS AND QUALIFICATIONS

ITLLC's Proposal Pricing is based upon the following assumptions and clarifications:

1. ITLLC assumes the work will be completed during dry weather conditions.
2. ITLLC assumes 12 hour(minimum) work days will be acceptable.
3. Quantities are estimated. Customer shall be invoiced for actual quantities at the stated unit price. Any changes or reductions to this scope post bid will be subject to a change in price.
4. ITLLC is an open-shop company and shall not be subject to any union requirements or agreements and will not enter into any Project Labor Agreement or any such similar agreement for this Project. Where required by the Contract Documents, ITLLC will pay the Prevailing Wages then in effect for the Project and will submit Certified Payroll Reports in a timely manner.

PROPOSAL PRICING

ITLLC proposes the following pricing for the scope of services described herein:

Item	Description	Unit	Qty	Unit Price	Total Price
1	Mobilization	LS	1	$2,500.00	$2,500.00
2	Cleaning and CCTV Inspection 8"-10" Sanitary Sewer	LF	6,498	$3.60	$23,392.80
3	CIPP Rehabilitation of 8" Sanitary Sewer	LF	6,198	$32.00	$198,336.00
4	CIPP Rehabilitation of 8" Sanitary Sewer	LF	300	$35.00	$10,500.00
5	Reinstatement of Laterals	EA	30	$100.00	$3,000.00
6	Lateral CIPP Lining Top Hat / Full Wrap-up to 36" on 4" Lateral Connection	EA	30	$2,100.00	$63,000.00
7	Mobilization for MH Rehabilitation	LS	1	$2,800.00	$2,800.00
3	Rehabilitation of Manhole using Raven 405	VF	305	$363.00	$110,715.00
	Total				**$414,243.80**

*Note: Pricing based on the information provided at time of proposal.

EXCLUSIONS :

The following items are excluded from ITLLC's above Pricing and Scope of Services / Responsibilities stated in this Proposal. These items, if necessary, applicable or otherwise required, shall be furnished by Customer, at Customer's direction and at no cost to ITLLC or may, upon mutual agreement in writing between ITLLC and Customer, be provided by ITLLC at an additional cost:

1. Any and all Permits, licenses and construction easements.
2. Manual operation of any pumping and/or metering stations.
3. Environmental/erosion controls (i.e., hay bales, silt fence, turbidity barriers, cofferdams, dikes etc.) that may be required adjacent to manholes, access points and/or water supply hose.
4. Any costs associated with obtaining effluent water from treatment plant.
5. Removal of failed materials in manholes.
6. MACP Inspection of Manholes prior to Manhole Rehabilitation.
7. Any costs associated from disposal of debris from Cleaning and CCTV inspection of sewer mains.
8. Burial and/or ramping of discharge or bypass hose/pipe.
9. Maintenance of traffic.
10. Any voids, missing bricks, major leaks in manhole structures for MH Rehabilitation.
11. Obstruction removal (calcium, concrete, mineral deposits, roots, etc.) and/or protruding tap removal.
12. Point repairs of any kind.
13. Any additional charges associated with the disposal of cure water.
14. Repair of pipe damaged during any industry standard high-pressure jet cleaning operations, preparation or lining and any subsequent cleaning necessary to remove debris that has fallen into the pipe as a result of any such collapse or repair.

15. Locations of and access (of ITLLC equipment and/or personnel) to all catch MH's/ catch basins associated with the project and as required by ITLLC's work plan.
16. Equivalent pipe diameter access from the invert to the street level at each installation site.
17. Payment and Performance bonds. If payment and performance bonds are required, add 2.5% to the total Project cost.
18. Removal and disposal of any hazardous or toxic materials encountered during the Project.
19. Holiday work, rush delivery or adverse weather work (as defined by ITLLC).
20. Complete independent testing of liner samples from each installation. Will be provided if required per specifications.
21. Certified Professional Engineer stamped designs. Will be provided if required in specifications.
22. State and local sales and/or use taxes.
23. Additional premiums for special insurance coverage(s) specific to this project.

GENERAL TERMS AND CONDITIONS:

1. ITLLC's Proposal is conditioned upon Customer's acceptance of the terms and conditions set forth herein. Customer's ordering of material or services by purchase order or otherwise, shall be treated as Customer's acceptance of such terms and conditions. All terms and conditions in Customer's purchase order or in any other communication to ITLLC, whether submitted previously or subsequently to this Proposal, which are additional to or inconsistent with the terms and conditions of this Proposal are not binding upon ITLLC and shall not be applicable to this Proposal, except to the extent accepted in writing by ITLLC. Any change or amendment to this Proposal, to be binding upon ITLLC, must be accepted in writing by ITLLC.
2. ITLLC has based its Proposal on a nominal wall thickness for the Insitutube as shown in the price. This is based on the best available information at the time of this Proposal. Existing pipe deterioration in excess of the conditions assumed, ground water loads in excess of those assumed, or other loads or conditions may increase the recommended thickness for all or portions of the work. Final recommendations may be submitted to you following the completion of the preliminary TV phase of the project. Stated prices are subject to adjustment if design changes are agreed upon.
3. Specific service connections will be reconnected only when written directions are received from the Customer. The Customer will indemnify and hold ITLLC harmless from all claims arising from backups and other effects of such actions or inaction's from services not opened at the owner's request. In the event that Insituform is unable to locate or reconnect a service lateral internally, the Customer will externally reconnect the service at no cost to ITLLC.
4. This Proposal is valid for 30 days, unless otherwise extended by ITLLC.
5. PAYMENT: Payment is due in full, without exception or retention, within 30 days of the date of the invoice. Monthly partial progress payments may be requested for the value of work in progress or completed, including materials delivered to the Project site. Payments due and unpaid shall bear interest at the rate of 1½ % per month from the date payment is due. Should ITLLC incur costs or expenses to collect monies claimed due hereunder from Customer, Customer shall pay to ITLLC, in addition to all other sums due to ITLLC, attorneys' fees, consultants' costs, and other expenses and costs, including but not limited to litigation and/or arbitration expenses and arbitrator compensation, in connection therewith.
6. ITLLC is not a union shop and shall not be subject to any union requirements or agreements or project labor agreements. On public projects where required, ITLLC will pay prevailing wages as identified by Customer prior to submission of this Proposal.
7. Should ITLLC learn of any information that causes ITLLC concern about Customer's ability to pay and/or perform any of its obligations owing to ITLLC under Proposal, ITLLC has the right to request Customer to provide ITLLC adequate assurance of due performance on such terms as are deemed reasonable by ITLLC when acting in good faith, including the right to await full or partial payment from Customer as required by ITLLC. In such an instance, ITLLC may suspend its performance pending ITLLC's receipt of adequate assurance of due payment and/or performance in a manner found acceptable by ITLLC.
8. ITLLC shall not be responsible for any inability to perform under this Proposal or for any loss or damage due to delays or disruptions resulting directly or indirectly from, or contributed to by, any act of God, action or omission of Customer, act of civil or military authorities, fire, strike or other labor dispute, accident, flood, adverse weather, war, riot, terrorism, transportation delay, inability to obtain material or fuel supplies, or any other circumstances beyond ITLLC's reasonable control, whether similar or

dissimilar to any of the foregoing. If ITLLC crews are delayed on site for reasons beyond the control of ITLLC, then ITLLC's standby time will be invoiced to Customer at an hourly rate of **$1,000** per hour.

9. Claims for Changed, Concealed or Unknown Conditions: If conditions are encountered at the site which are (1) materially changed; (2) subsurface or otherwise concealed physical conditions which differ materially from the information upon which this Proposal is based or (3) unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for herein, then the Proposal Price and Time shall be equitably adjusted to address the conditions, where prior written notification and approval of claims exist.
10. LIMITED WARRANTY: ITLLC WARRANTS TO CORRECT ANY DEFECT IN THE MATERIALS OR SERVICES PROVIDED BY ITLLC WHICH ARE BROUGHT TO THE ATTENTION OF ITLLC IN WRITING WITHIN ONE YEAR FOLLOWING COMPLETION OF ITLLC'S WORK, PROVIDED CUSTOMER AFFORDS ITLLC SUITABLE ACCESS AND WORKING CONDITIONS TO ACCOMPLISH SUCH CORRECTION.
11. Except for the express warranty forming a part of this Proposal, ITLLC DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY. ITLLC'S LIABILITY TO CUSTOMER, WHETHER IN CONTRACT, WARRANTY, TORT OR OTHERWISE, IS LIMITED TO THAT PERMITTED UNDER THIS PROPOSAL, ITLLC Shall NOT BE LIABLE TO CUSTOMER FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE, LOST TIME, DELAY, DISRUPTION, INTERFERENCE, LOSS OF PRODUCTIVITY, INCONVENIENCE, LOST INCOME, OR LOST PROFITS.
12. This agreement may be terminated by either party upon seven (7) days written notice should the other party fail substantially to perform in accordance herewith through no fault of the party initiating the termination.
13. The terms and conditions of this Proposal form the entire agreement between the parties. All other terms, proposals, negotiations, representations, recommendations, statements or agreements, whether made or issued contemporaneously or previously, are excluded from and are not a part of this Proposal, and have no binding or enforceable effect. This Proposal, if accepted, shall be binding on the parties and their respective successors and assigns.

The information contained in this letter is proprietary to Insituform Technologies, LLC. and shall be retained by the recipient in confidence and shall not be published or otherwise disclosed to third parties without the express written consent of Insituform Technologies, LLC. The foregoing shall not preclude the use of any data which (i) was in its possession without restriction as to use prior to receipt as proprietary of the same or similar data from Insituform Technologies, LLC., (ii) is or becomes available from a public source on or after such receipt from Insituform Technologies, LLC. or (iii) is obtained by the recipient from a third party not under obligation of confidentiality or other restriction with respect to use.

Please do not hesitate to contact me with any further questions.

Very truly yours,
Insituform Technologies, LLC.

Kenny Boeh
Business Development Manager

Accepted By: Patrick C. Flynn (signed) Date: August 12, 2020

Patrick C. Flynn (print name) Title: Vice President

SECTION 00530
NOTICE TO PROCEED FORM

To: Left Coast Utilities
4050 46th Street North St. Petersburg, FL 33709

Notice to Proceed Date: November 17, 2020

Project Name: Curlew Creek Manhole Rehabilitation

Bid No.: 140056020

PO No.: P91-2410-100494

You are hereby notified to commence WORK in accordance with the Purchase Order (PO) dated September 2, 2020. This Notice authorizes the CONTRACTOR to commence construction on the above date and all work shall be substantially complete within 90 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is February 15, 2021. The date of Final Completion is March 17, 2021.

ISSUED BY: Utilities, Inc. of Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick C. Flynn, Vice President
(Printed Name and Title)

ACCEPTANCE OF NOTICE

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

Jeffrey E. Arrowood this 18 day of November, 20.

By

Jeff Arrowood President
Printed Name and Title

END OF SECTION

PO# P91-2410-100494

Show this purchase order number on all correspondence, invoices, Shipping papers and packages.

Change Order	**0**
Order Date	**02-SEP-2020**
Change Order Date	**02-SEP-2020**
Total Ordered Amount	**65,725.00 USD**

Please submit invoices to:
elcq.fin.invoices@elcq-opcwf.mail.us2.oraclecloud.com
or by Posted Mail:

Supplier	Ship To	Bill To
LEFT COAST UTILITIES **Attn:** **4050 64th St. North** **Saint Petersburg,FL 33709**	**2410-Utilities, Inc. of Florida** **125 Western Fork** **Longwood, FL 32750** **United States**	**Utilities, Inc. of Florida** **500 W Monroe St, Suite 3600** **Chicago, IL 60661** **United States**

Confirm To (Buyer)
Michael Wilson
mike.wilson@uiwater.com

Delivery Date	Payment Terms	Freight Terms	FOB	Shipping Method
10/01/2020	**Net 30**	**None**	**None**	

Line	Item Number	Supplier Part #	Description	Quantity	UOM	Unit Price	Total Line Price
1			Shoring and repair of Curlew Creek MH along creek bed as part of CP# 2020127			65725.00	65725.00

Comments or Special Instructions

Total Ordered USD **$ 65,725.00**

Unless the parties have otherwise agreed in writing, the contract of sale evidenced by this document is subject to the attached standard Terms and Conditions of Purchase, which are hereby incorporated into and form part of the contract of sale.

Please visit us at www.corix.com for our full Purchase Terms and Conditions

Invoice

PO# P91-2410-100567

TLC Diversified, Inc.
2719 17th Street East
Palmetto, FL 34221

Phone: (941) 722-0621
Fax: (941) 722-1382
E-mail: jlamberson@tlcdiversified.com
URL: tlcdiversified.com

INVOICE NO.	20-20-01-01
INVOICE DATE	09/30/2020
OUR ORDER NO.	20-20-01
CUSTOMER ORDER NO.	2410.330070.15
TERMS	Net 30
SALES REP.	J. Bujan
SHIPPED VIA	
F.O.B.	
CONTRACT AMOUNT	$38,410.00

1F

SOLD TO: W. Lee Neal
Mid-County Services
500 W. Monroe St.
Suite 3600
Chicago, IL 60661

SHIPPED TO:
Utilities Inc.

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1	ls	SSMH FRP Winchester/Curlew	$18,600.00	$18,600.00
1	ls	SSMH FRP Via Granada	$19,810.00	$19,810.00
			SUBTOTAL	$38,410.00
		0.00%	Retention (if Req'd)	
			Previous Requisitions	
			TOTAL	$38,410.00

Questions concerning this Invoice?
Call: Joanne Lamberson
(941) 722-0621

MAKE ALL CHECKS PAYABLE TO:
TLC Diversified, Inc.
2719 17th Street East
Palmetto, FL 34221

Kimley»Horn

April 10, 2020

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

Re: Professional Services Agreement for Curlew Creek Manhole Rehabilitation
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 and permitting services for the Curlew Creek Manhole Rehabilitation.

Project Understanding

Utilities Inc. of Florida owns, operates, and maintains the sanitary sewer collection system infrastructure within the Mid-County Service Area, located in Pinellas County, FL. A section of UIF gravity system upstream of Lift Station #4, located just north of the intersection of US 19 Hwy N and Boy Scout Rd, runs parallel to Curlew Creek. Over time, the creek bank has eroded and exposed the cone and part of the riser of a brick manhole that was below ground when the structure was originally constructed. The manhole is located within a Pinellas County drainage easement, and Pinellas County Right-of-Way Use Permit (RUP) will be required for work within this easement.

It is the intent of this project to provide professional engineering services for the design, permitting, bidding, and construction phase services for the manhole rehabilitation necessary to prevent damage or interruption of service to the UIF system and protect the adjacent creek as further described in scope of services below.

Scope of Services

Task 1 – Design and Bidding

1. Kimley-Horn will have their sub-consultant prepare a topographic survey of the project site including the section of Curlew Creek adjacent to the manhole to be rehabilitated. Underground utilities will be depicted on the survey in accordance with visible appurtenances.

2. Kimley-Horn will provide one (1) PDF exhibit of the proposed design. The exhibit will include available existing infrastructure information previously obtained and as provided by UIF and proposed construction details for the manhole rehabilitation for bidding purposes. Kimley-Horn will provide the exhibit in electronic format to UIF for review and complete one (1) round of revisions. Complete design plans will be provided for permitting and prior to beginning construction.

3. Kimley-Horn will provide a design plan set for permitting purposes as required by Pinellas County. The plan set will be provided in PDF format for review and one (1) round of comments prior to the County permit application.

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

   - Standard Cover Sheet
   - General Notes and Legend
   - Site Plan
   - Construction Details

- SWPPP

Kimley-Horn will not prepare technical specifications as part of this task.

4. Kimley-Horn will coordinate with up to three (3) pre-selected contractors for distribution of bid packages. 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.

5. Following receipt of the bids, Kimley-Horn will review the bids for completeness and provide a letter of recommendation for award to UIF.

Task 2 – Permitting

1. Kimley-Horn will prepare and submit the Pinellas County RUP application, including the necessary supporting documentation, floodplain calculations, and permit review fee.

    - Kimley-Horn will make up to two (2) resubmittals to the County under this scope of services

    Kimley-Horn will inform the Client during the design/permitting process of cost changes caused by significant design changes that may increase the project construction cost.

2. Kimley-Horn will prepare and submit Exemption Clarification Request for Florida Department of Environment Protection (FDEP).

Task 3 – Construction Phase Services

1. Kimley-Horn will coordinate a Pre-Construction Conference prior to commencement of work at the site. Kimley-Horn will provide signed and sealed Conformed Documents to the contractor for the right-of-way permits.

2. Kimley-Horn will review shop drawings, samples and other data which the 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.

3. Kimley-Horn will provide on-site construction observation services during the construction phase of the project. Consultant will make up to one (1) visit 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.

4. 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,

Kimley»Horn

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.

5. The Consultant may require special inspections or tests of Contractor's work as the Consultant deems appropriate, and may receive and review certificates of inspections within the Consultant's area of responsibility or of tests and approvals required by laws and regulations or the Contract Documents. The Consultant's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Contract Documents. The Consultant shall be entitled to rely on the results of such tests and the facts being certified.

6. 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.

7. Consultant will conduct a final site visit 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.

8. 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.

9. Kimley-Horn will prepare Record Drawings based on the contractor's surveyed as-builts.

Services Not Included

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

- Environmental
- Geotechnical
- Structural
- Public Involvement

Information Provided by Client

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

- As-Builts/Service Area Maps
- Existing Infrastructure Information

Responsibilities of Client

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

- Access to the site

- Provide the necessary signatures, approvals, and bonds required for permit applications
- Review and comment on project deliverables

Fee and Expenses

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

Task 1	Design/Bidding (Includes Survey and Permitting Fee)	$15,467.00
	Topographic and Boundary Survey	*$2,490.00*
Task 2	Permitting	$7,506.00
Task 3	Construction Phase Services	$5,544.00
	Total Lump Sum Fee	$28,520.00

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

Kimley»Horn

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:

_X_ Please email all invoices to mike.wilson@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

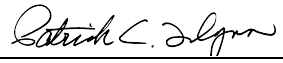
Wayne White, P.E.
Vice President

Kimley»Horn

Utilities Inc. of Florida

A Corporation

By:

 , Vice President of Operations
(Title)

April 10, 2020
(Date)

Patrick C. Flynn
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER, LLC



DATE 12/3/2019
Invoice # 19-935
Customer ID

Lic # CUC1224524

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

#329515

Phone # 727-856-5400
Fax # 727-856-3400

Your Po #

Comments or special instructions:

Description	AMOUNT
11/13/2019 - Fountains (3092 Pepperwood Lane)	$ 1,200.00
Vactruck Jet 325ft of line	
Camera 170ft of line	
Camera and cleaned the Line that got repaired between the houses	
TOTAL	**$1,200.00**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

Invoice

Electric Motors
Lift Station Service, Inc
4480 126th Ave N
Clearwater, FL 33762

19-12-000901

Date	Invoice #
10/31/2019	31891

Bill To

Utilities Inc
Attn: Accounts Payable
500 W. Monroe St. Suite 3600
Chicago, IL 60661-3779

Ship To

29712 US 19
Clearwater, FL

P.O. Number	Terms	Rep	Job	Project	ID #
	Net 30	House			

Quantity	Item Cat	Description	Price Each	Amount
1	Emergency S...	Emergency service. Line jet manhole at 2502 Northfield Lane Clearwater. 10/16/19	525.00	525.00

#327027 RECEIPTED 11-8-19

Thank You For Your Business!
P. 727-538-4778 F. 727-538-4776
Email: Sales@emflorida.com, Website:emflorida.com

Subtotal	$525.00
Sales Tax (7.0%)	$0.00
Total	$525.00
Payments/Credits	$0.00
Balance Due	$525.00

Past due balances may be subject to a finance charge of 1.5% per month; 18% per annum.

Utility Group of Florida, LLC.

10130 Scenic Dr.
Port Richey, FL 34668
Phone (727) 863-5161
Fax (727) 869-5913

Invoice

Date	Invoice #
11/18/2019	05170
Due Date	Terms
12/18/2019	Net 30

Bill To
Utilities, Inc. Attn: Accounts Payable 2335 Sanders Road Northbrook, IL 60062

P.O. No.

Project
UI-Mid-County

Service Date	Item	Description	QTY	Rate	Amount
		Mid County Sanitary Replacement			
	Repairs & Maint.	Emergency Repair T&M Call out for emergency repair on sanitary main. Pipe had multiple failure points, including an offset joint with a jetter line stuck attempting to clear blockage. Excavated area where sinkhole had opened and directed by utility repaired the offset joint and removed jetter line. Service was restored but later it was found that more problems in the line had been found. Due to destabilization of the area a planned replacement with dewatering and bypassed flow is necessary. -Equipment Rental -Labor -Materials (SDR 26)	1	5,500.00	5,500.00
	Repairs & Maint.	Bypass Pumping Bypassing of the sanitary main during the duration of the replacement project. Pricing is for 1 month rental on equipment, as well as labor for installation and removal. Fuel not included. -Equipment Rental (1 month) -Labor (Install/Removal/ Plugging in MH)	1	6,750.00	6,750.00
	Repairs & Maint.	Dewatering Pump w/ Wellpoint System Dewatering of excavation area, including equipment rental and labor for installation of the dewatering system as well as the installation of well points. 16' well points installed due to depth of the sanitary main. Pricing is for 1 month rental on equipment. Fuel not included. -Equipment Rental -Labor (Install/ Removal)	1	7,250.00	7,250.00

#329108
Patrick
RECEIPTED
12-4-19

Purchaser; Lee Neal

Total	
Payments/Credits	
Balance Due	

Utility Group of Florida, LLC.

10130 Scenic Dr.
Port Richey, FL 34668
Phone (727) 863-5161
Fax (727) 869-5913

Invoice

Date	Invoice #
11/18/2019	05170
Due Date	Terms
12/18/2019	Net 30

Bill To
Utilities, Inc. Attn: Accounts Payable 2335 Sanders Road Northbrook, IL 60062

P.O. No.

Project
UI-Mid-County

Service Date	Item	Description	QTY	Rate	Amount
	Repairs & Maint.	Sanitary Main Repair Replacement of additional approx. 25' of 8" sanitary sewer main, extending past the original repair. Replacement remaining section of compromised piping to tie in the existing good piping. Includes excavation equipment, trench safety equipment, labor, materials, and complete restoration of work area including sod. SDR 26 piping will be used for replacement. Pipe to be bedded with 57 stone for proper stabilization and long term integrity. -Equipment -Trench Safety Equipment -Labor -Materials (SDR 26)	1	18,700.00	18,700.00

Purchaser; Lee Neal

Total	$38,200.00
Payments/Credits	$0.00
Balance Due	$38,200.00

19-12-001883

Invoice

Seminole Septic, Inc.
8530 Starkey Rd.
Seminole, Fl. 33777-2835

Office (727)-392-1352 Fax (727)-393-0413

Grease Traps, Lift Stations, Jet Cleaning, Televising, Vactor Combination Truck & More ...

Date	Invoice #
10/25/2019	85973

Bill To:

Utilities Inc. of Florida
Attn: Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

P.O. No.	Terms
	Net 30

Description	Qty	Rate	Amount
10/24/2019 Televised sanitary sewer line.		800.00	800.00
10/24/2019 Jet / Vacuum and removal of debris from sanitary sewer line.	6	200.00	1,200.00
Dump & Disposal Fee. (5.12 tons)	5.12	50.00	256.00
Re: Fountains, 2500 Winding Creek Blvd			
Delivered 1 USB + pipe run to Tony			

325963 Received 10-29-19

Thank you for your business.

Interest of 1 1/2% per month on past due invoices. Customer agrees to pay all collection costs, including legal fees on past due balances.

All sales are final.

Total	$2,256.00
Payments/Credits	$0.00
Balance Due	$2,256.00

19-12-001821

Invoice

Seminole Septic, Inc.
8530 Starkey Rd.
Seminole, Fl. 33777-2835

Office (727)-392-1352 Fax (727)-393-0413

Grease Traps, Lift Stations, Jet Cleaning, Televising, Vactor Combination Truck & More ...

Date	Invoice #
10/21/2019	85869

Bill To:

Utilities Inc. of Florida
Attn: Accounts Payable
500 W. Monroe, Ste 3600
Chicago, IL 60661-3779

P.O. No.	Terms
	Net 30

Description	Qty	Rate	Amount
10/17/2019 Emergency jet / vacuum and removal of debris from broken sanitary sewer line.	3.25	200.00	650.00
10/17/2019 Jet / Vacuum and removal of debris from sanitary sewer line and pump lift station. (Over time rate. Called out by Eddie pipe had blocked up with sand again. 9:30 PM - 2:30 AM)	5	225.00	1,125.00
10/18/2019 Televised sanitary sewer line.	8	200.00	1,600.00
10/18/2019 Vactor #1 Jet / Vacuum and removal of debris from sanitary sewer line.	8	200.00	1,600.00
10/18/2019 Vactor #1 Jet / Vacuum and removal of debris from sanitary sewer line. (Over time rate.)	1	225.00	225.00
10/18/2019 Vactor #2 Jet / Vacuum and removal of debris from sanitary sewer line.	8	200.00	1,600.00
10/18/2019 Vactor #2 Jet / Vacuum and removal of debris from sanitary sewer line. (Over time rate.)	2.75	225.00	618.75
10/18/2019 Emergency Pumping of sanitary sewer.	8	200.00	1,600.00
10/18/2019 Emergency Pumping of sanitary sewer. (Over time rate.)	2.75	225.00	618.75
10/18/2019 Dump & Disposal Fee. (3.8 tons)	3.8	50.00	190.00
10/21/2019 Dump & Disposal Fee. (9.92 tons) removed on 10/18/2019	9.92	50.00	496.00
10/21/2019 Disposal of material removed on 10/18/2019	1.5	200.00	300.00
Re: Broken sanitary sewer pipe @ 2500 Winding Creek Blvd. Clearwater			

#325189

Thank you for your business.	**Total**	$10,623.50
Interest of 1 1/2% per month on past due invoices. Customer agrees to pay all collection costs, including legal fees on past due balances.	**Payments/Credits**	$0.00
All sales are final.	**Balance Due**	$10,623.50

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-17) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020080
Requested by:	Michael Wilson *Project Manager / Area Manager*		**Date:**	7/31/2020
Project Name:	MC Headworks Replacement			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	250100	**MID-COUNTY**		
Project Owner:	Patrick Flynn		**BU Type:**	SP
Project Manager:	Michael Wilson		**Budget Owner / RP:**	Gary Rudkin
Start Date:	3/20/2020	Q1 2020	**Region:**	Florida 4
Estimated End Date:	12/30/2021	Q4 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:	187,005		187,005
This Request:		**2,237,777**	**2,237,777**
Still to be Requested:			0
Total Project Budget:	**187,005**	**2,237,777**	**2,424,782**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This BCF review is for the construction of the Mid County WWTP headworks structure and appurtenances. The following is the scope and elements of construction.

1. Mobilization, site prep, grading
2. All materials and services as outlined in the engineering plans and specifications to complete construction of:
   a. headworks structure
   b. grit classifier
   c. grit pumps (2 each) including all piping and fixtures
   d. drum screens (2 each) including trash chutes and liquid level sensors
   e. water booster pumps
   f. odor control system relocation
   g. headworks mechanical piping improvements
   h. grit fluidizing assembly
   i. headworks draining system
   j. slide gates and piping
   k. demolition of old headworks and associated systems
   l. site clean up and restoration.

The initial scope of work provided engineering services associated with the replacement of the Mid-County WWTP's headworks equipment including screening and grit removal.
Engineering services include:
A. Design, topo, site survey, geotechnical investigation, electrical, $112,929
B. Permitting, bidding, $14,890
C. Construction phase services, $59,187

Timeline Considerations:

This will be a proforma project included in the upcoming rate case to be filed in June 2020. The project must be substantially completed and placed in service by 12/31/21 to qualify as a proforma project.

Inter-dependent Project Project Number: 2019145 Project Name (If applicable)

Have engineering evaluations been performed? Yes Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Mid-County WWTP has a permitted capacity of 0.900 mgd AADF with a current annual average day flow of 0.700 mgd in dry weather that increases to more than 1 mgd in extended wet weather. All raw wastewater flows into a master lift station, which then pumps to a static screen. The wastewater then flows into the EQ tank below it. Rags and debris removed by the screen drop into an enclosed dewatering auger, then discharge into a dumpster. A Jacobs biofilter air scrubber contains and treats the odors generated within the screen's enclosure.

A 2019 analysis of the existing headworks equipment and structures was completed by Kimley-Horn (Preliminary Design Report or PDR). It identified significant corrosion and deterioration of the screen's superstructure and catwalks. The stainless steel static screen (approximately 35 years old), does not adequately prevent rags and debris from entering the EQ tank and ultimately flowing into the two treatment trains to the detriment of the treatment process.

The PDR identified the need to:
- address the headworks' design deficiencies
- increase the flow equalization tank capacity
- improve the biological treatment process
- address the inadequacies of the single chlorine contact tank
- improve the solids handling and dewatering facilities
- optimize chemical use.

This project addresses the first item. The remaining items will be addressed in a separate plant improvements project.

Risk Evaluation

Structural failure of the static screen would require bypassing the screen until repairs or replacement was completed. This will allow rags and debris to accumulate in the two treatment trains. Even so, the screen's design does not limit solids down to 2-3 mm from passing through, which is a necessary criterion when the plant is upgraded to MBR technology. Additionally, the new headworks facilities will be constructed adjacent to the south treatment train, which will be converted to an EQ tank when the plant is upgraded. Relocating the headworks to the south train improves constructability on a plant site that has a constricted footprint as well as simplifying operation and maintenance requirements.

Alternatives Considered:

Utility staff and K-H analyzed multiple types of screening and grit removal equipment including rotary drum, step screen, static screens and others. The team also attended a 1.5-day "headworks academy" in February 2020 that offered up to date technology options.

Technical Review Summary:

The treatment plant analysis has been ongoing with Kimley-Horn staff as well as the Florida BU's management team and field staff.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
371010	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	06/15/2019	361.44	
371012	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/15/2019	361.44	
371014	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/30/2019	361.44	
54129	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	04/30/2020	200.00	
54130	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	04/30/2020	100.00	
65521	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	05/15/2020	210.00	
65569	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	05/15/2020	25.00	
65570	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	05/15/2020	369.92	
65571	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	05/15/2020	184.96	
65427	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330070 Mid-County Services Inc	05/31/2020	105.00	
106205	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	06/10/2020		
162536	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	06/29/2020		
162533	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/09/2020		
214236	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/03/2020		
214286	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/07/2020		
238987	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/14/2020		
308934	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/11/2020		
349607	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/24/2020		
471183	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/16/2020		
471188	Florida-MC HEADWORKS REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		2,279.20
54780	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	04/08/2020	22,585.80	
65811	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	05/13/2020	22,585.80	
179210	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	06/12/2020	84,099.10	
202063	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	07/27/2020	10,385.70	
206011	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/19/2020	5,918.70	
272019	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	09/11/2020	5,918.70	
461250	Florida-MC HEADWORKS REPLACEMENT	Engineering	Engineering	2410-330070 Mid-County Services Inc	12/01/2020	17,500.00	168,993.80
54898	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	04/30/2020	172.22	
64211	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	05/31/2020	348.91	
152031	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	06/30/2020	11.36	
152032	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	06/30/2020	339.92	
195178	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	07/31/2020	12.94	
195179	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	07/31/2020	339.92	
258077	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	16.10	
258109	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	462.61	
357023	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	16.89	
357036	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	507.15	
391143	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	25.84	
391127	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	507.15	
488133	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	27.42	
488130	Florida-MC HEADWORKS REPLACEMENT	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	507.15	3,295.58
							174,568.58

Kimley»Horn

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		**$112,929.00**
Fee Includes:		
Electrical Engineering	*$ 12,000.00*	
Task 2 – Permitting		**$14,890.00**
Task 3 – Construction Phase Services		**$59,187.00**
Fee Includes:		
Electrical Services During Construction	*$8,000.00*	
TOTAL LUMP SUM FEE		**$187,005.00**

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

Closure

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

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

_X_ 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,

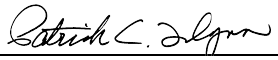
KIMLEY-HORN AND ASSOCIATES, INC.

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

Wayne White, P.E.
Vice President

Utilities Inc. of Florida
A Corporation

By:

 , President/Vice President

March 16, 2020
(Date)

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

patrick.flynn@uiwater.com
(Email Address)

SECTION 00510

NOTICE OF AWARD FORM

To: TLC Diversified, Inc.
2719 17th Street East, Palmetto, FL 34221

Project Name and Bid No.: **Mid-County WWTP Headworks**
Project No. 140056019

The OWNER has considered the BID submitted by you, dated June 26th, 2020 for the above described WORK in response to the Invitation for Bids and Information for Bidders.

You are hereby notified that your BID has been accepted for BID items in the amount of $ Two Million, Two Hundred Thirty-Seven Thousand, Seven Hundred Seventy-Seven Dollars ($2,237,777.00).

You are required by the Instructions to Bidder to execute the Agreement and furnish the required CONTRACTOR's Performance Bond, Payment Bond, and certificates of insurance within fourteen (14) calendar days from the date of this Notice to you. If you fail to execute said Agreement and to furnish said Bonds and insurance within fourteen (14) calendar days from receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 13th day of August 2020.

OWNER: Utilities, Inc. Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick C. Flynn, Vice President of Operations
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE OF AWARD is hereby acknowledged by TLC Diversified, Inc.
this _____ day of _____, _____.

By _____
THURSTON LAMBERSON, PRESIDENT
Printed Name and Title

END OFSECTION
00510-1

SECTION 00520

AGREEMENT FORM (LUMP SUM)

PART 1 GENERAL

1.01 **THIS AGREEMENT**, made this 8th day of August 2020, by and between Utilities, Inc. of Florida, hereinafter called the Owner, and TLC Diversified, Inc., whose principal and local address is 2719 17th Street East, Palmetto, FL 34221, hereinafter called the Contractor.

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

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Mid-County WWTP Headworks.

C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is 540 calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof,

OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $100.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of Two Million, Two Hundred Thirty-Seven Thousand, Seven Hundred Seventy-Seven Dollars ($2,237,777.00). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

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

G. Retainage

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

H. Engineer

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

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

CONTRACTOR:
TLC Diversified, Inc.
Name of Firm

By (Signature) (SEAL)

Thurston Lamberson, President
Printed Name and Title

ATTEST:

By (Signature)

Joanne R Lamberson, Sr Vice-President/Secretary
Printed Name and Title

OWNER:

Utilities, Inc. of Florida
Name of Owner

By (Signature) (SEAL)

Patrick C. Flynn, Vice President of Operations
Printed Name and Title

ATTEST:

By (Signature)

Michael A. Wilson, Regional Manager
Printed Name and Title

END OF SECTION

Bond No. 079827F

Document A312™ – 2010

Conforms with The American Institute of Architects AIA Document 312

Performance Bond

CONTRACTOR:
(Name, legal status and address)

TLC Diversified, Inc.
2719 17th Street, East
Palmetto, FL 34221

SURETY:
(Name, legal status and principal place of business)

Westfield Insurance Company
P.O. Box 5001
Westfield Center, OH 44251-5001
Mailing Address for Notices
P.O. Box 5001
Westfield Center, OH 44251 - 5001

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:
(Name, legal status and address)

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

CONSTRUCTION CONTRACT
Date: August 8, 2020

Amount: $ 2,237,777.00 Two Million Two Hundred Thirty Seven Thousand Seven Hundred Seventy Seven Dollars and 00/100

Description:
(Name and location)
Mid-County WWTP Headworks

BOND
Date: August 17, 2020
(Not earlier than Construction Contract Date)

Amount: $ 2,237,777.00 Two Million Two Hundred Thirty Seven Thousand Seven Hundred Seventy Seven Dollars and 00/100

Modifications to this Bond: [X] None [ ] See Section 16

CONTRACTOR AS PRINCIPAL

Company: *(Corporate Seal)*
TLC Diversified, Inc.

Signature: _____

Name and Title: THURSTON LAMBERSON, PRESIDENT

SURETY

Company: *(Corporate Seal)*
Westfield Insurance Company

Signature: _____

Name and Title: Laura D. Mosholder, Attorney-in-Fact

(Any additional signatures appear on the last page of this Performance Bond.)

(FOR INFORMATION ONLY — Name, address and telephone)

AGENT or BROKER:
Nielson, Hoover & Associates
8000 Governors Square Blvd. #101
Miami Lakes, FL 33016
305-722-2663

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other party:)
KIMLEY-HORN AND ASSOCIATES, INC.
100 SECOND AVE SOUTH, SUITE 105N
ST. PETERSBURG, FLORIDA 33701
CONTACT: SHELBY HUGHES, P.E
727.498.258

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond shall arise after

.1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;

.2 the Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and

.3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;

§ 5.2 Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or

.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 If the Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

§ 7 If the Surety elects to act under Section 5.1, 5.2 or 5.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

.1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
.2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and
.3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

§ 8 If the Surety elects to act under Section 5.1, 5.3 or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 14 Definitions

§ 14.1 Balance of the Contract Price. The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 Contractor Default. Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

§ 14.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 15 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 16 Modifications to this bond are as follows:

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL
Company: *(Corporate Seal)*

Signature: _____
Name and Title:
Address

SURETY
Company: *(Corporate Seal)*

Signature: _____
Name and Title:
Address

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-18) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020128
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	5/29/2020
Project Name:	Mid Co LS 10 FM relocation		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	250100 **MID-COUNTY**		
		BU Type:	SP
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	Gary Rudkin
Project Manager:	Lee Neal		
		Region:	Florida 4
Start Date:	5/29/2020 Q2 2020		
		State:	FL
Estimated End Date:	12/31/2021 Q4 2021		
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:	55,750		55,750
This Request:			**0**
Still to be Requested:			0
Total Project Budget:	**55,750**	**0**	**55,750**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will relocate a 4" force main in the ROW that is in conflict with a Florida Department of Transportations US 19 flyover bridge and frontage road improvements in the US 19 corridor.

This phase of the project is for engineering design, permitting and coordination activities between the Utility and the FDOT representatives. An existing 30+ year force main will be replaced in a location that is not in conflict with an FDOT road project.

Timeline Considerations:

This project is a pro forma project included in the Utility's 2020 rate filing that must be completed within 24 months following the 2019 test year.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The current force main is in conflict with structures that will be constructed by FDOT in the right of way. Relocation is required and new force main must be installed to eliminate any force main conflicts in the FDOT ROW. Benefits will be a new HDPE force main that replaces an existing 30 year old force main.

The construction costs will be identified during the bid process once the design and permitting are completed and any conflicts with FDOT's plans are resolved.

Risk Evaluation

The FDOT project plans identify the existing force main is in conflict with the road project components. Leaving the FM in place will result in pipe failures and environmental damage caused by unpermitted wastewater discharges.

Alternatives Considered:

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
471140	Florida-MID CO LS 10 FM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	11/16/2020		105.00
202062	Florida-MID CO LS 10 FM RELOCATION	Engineering	Engineering	2410-330070 Mid-County Services Inc	07/27/2020	2,000.00	
206010	Florida-MID CO LS 10 FM RELOCATION	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/19/2020	2,736.00	
222001	Florida-MID CO LS 10 FM RELOCATION	Engineering	Engineering	2410-330070 Mid-County Services Inc	08/31/2020	22,344.00	
272010	Florida-MID CO LS 10 FM RELOCATION	Engineering	Engineering	2410-330070 Mid-County Services Inc	09/11/2020	4,560.00	31,640.00
258114	Florida-MID CO LS 10 FM RELOCATION	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	08/31/2020	188.73	
357048	Florida-MID CO LS 10 FM RELOCATION	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	09/30/2020	223.04	
391135	Florida-MID CO LS 10 FM RELOCATION	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	10/31/2020	223.04	
488143	Florida-MID CO LS 10 FM RELOCATION	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	0.79	
488118	Florida-MID CO LS 10 FM RELOCATION	Interest During Construction	Interest During Construction	2410-330070 Mid-County Services Inc	11/30/2020	223.04	858.64
							32,603.64

Kimley»Horn

April 8, 2020

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

Re: Professional Services Agreement for Lift Station 10 Force Main Relocation
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 and permitting services for the Lift Station 10 Force Main Relocation.

Project Understanding

The Florida Department of Transportation (FDOT) is currently in the process of completing their design to widen and construct fly-overs along US Hwy 19 N through the Mid-County Service Area located in Pinellas County, Florida. Based on the Pre-Phase III FDOT Utility Submittal Plans dated November 2019, the proposed roadway improvements conflict with the existing 4-inch force main that is owned and operated by UIF at the intersection of US Hwy 19 N and Curlew Road and where the force main crosses US Hwy 19 N approximately 650 feet north of the intersection. The existing 4-inch diameter force main conveys flow from Lift Station 10, located in Trails of Countryside, and discharges to the gravity system west of US Hwy 19 N.

It is the intent of this project to provide professional engineering services for the design, permitting, bidding, and construction phase services for the relocation of the Lift Station 10 Force Main to prevent conflict with the proposed FDOT Project FPID 256774 as further described in scope of services below.

Scope of Services

Task 1 – Design/Permitting

1. Kimley-Horn will have their sub-consultant prepare a topographic survey of the proposed Force Main route located along Curlew Road west of US Hwy 19 N and east of US Hwy 19 N along Curlew Road along the route of the existing force main to Lift Station 10. Underground utilities will be depicted on the survey in accordance with visible appurtenances.

2. Kimley-Horn will provide 11" X 17" Plan Set PDFs at the 60% milestone and at the Bid Document milestone. Plan and profile sheets with details will be provided for the force main from the lift station to the connection to the existing gravity system. The plan sheets will be provided in PDF format for review and comment. Kimley-Horn will respond to one (1) round of comments at each milestone.

3. Kimley-Horn will provide technical specifications to detail the activities, materials, criteria, equipment, and payment to be incorporated into the project. Technical specifications will only be provided with the Bid Document design submittal.

4. Kimley-Horn will provide an updated opinion of probable cost for the proposed project based on the final design. 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 the Consultant at this time and represent only the Consultant's judgment as a design professional

Kimley»Horn

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.

5. Kimley-Horn will prepare and submit the Florida Department of Environment Protection (FDEP) general collection systems permit, Form 62-604.300(8)a, including the necessary supporting documentation and permit fee.

6. Kimley-Horn will prepare and submit the FDOT Utility Permit Application, including the necessary supporting documentation.

7. It shall be the Contractor's responsibility to submit for and obtain City of Clearwater and/or Pinellas County right-of-way permits including the associated permit review fees. Kimley-Horn will provide the contractor with supporting documentation as included within this scope of services as necessary.

Task 2 - Bidding

Kimley-Horn will coordinate with a minimum of three (3) pre-selected contractors for distribution of bid packages. 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 the bids for completeness and provide a letter of recommendation for award to UIF.

Task 3 – Construction Phase Services

Kimley-Horn will coordinate a Pre-Construction Conference prior to commencement of work at the site. Kimley-Horn will provide signed and sealed Conformed Documents to the contractor for the right-of-way permits.

Kimley-Horn will review shop drawings, samples and other data which the 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. Consultant will make up to two (2) visits during construction to observe the progress of the Work and pressure testing as necessary for project certification. 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.

The Consultant may require special inspections or tests of Contractor's work as the Consultant deems appropriate, and may receive and review certificates of inspections within the Consultant's area of responsibility or of tests and approvals required by laws and regulations or the Contract Documents. The Consultant's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Contract Documents. The Consultant shall be entitled to rely on the results of such tests and the facts being certified.

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 a final site visit 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.

Kimley-Horn will prepare Record Drawings based on the contractor's surveyed as-builts and submit the FDEP certification package.

Services Not Included

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

- Environmental
- Geotechnical
- Structural
- Public Involvement

Information Provided by Client

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

- As-Builts/Service Area Maps
- Existing Infrastructure Information
- Pump Curves and Lift Station Run Times

Responsibilities of Client

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

- Access to the Site
- Provide the necessary signatures and approvals through FDOT One STOP Permitting and other required permit applications
- Review and comment on project deliverables

Kimley»Horn

Fee and Expenses

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

Task 1	Design/Permitting (Includes Survey and Permitting Fee)	$45,600.00
	Topographic Survey	*$25,750.00*
Task 2	Bidding	$3,600.00
Task 3	Construction Services	$8,800.00
Total Lump Sum Fee		$55,750.00

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

Closure

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

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

_X_ Please email all invoices to mike.wilson@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

Kimley»Horn

Utilities Inc. of Florida

A Corporation

By:

_____, Vice President of Operations
(Title)

April 10, 2020
(Date)

Patrick C. Flynn
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-19) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	4/13/2020
Project Name:	Pennbrooke WWTF Air Bay Diffuser Replacement			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	260101	**PENNBROOKE S**		
Project Owner:	Patrick C. Flynn		**BU Type:**	SP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	Gary Rudkin
Start Date:	3/15/2020	Q1 2020	**Region:**	Florida 4
Estimated End Date:	4/1/2020	Q2 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**33,420**	**33,420**
Still to be Requested:			0
Total Project Budget:	**0**	**33,420**	**33,420**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Remove existing galvanized drop pipes and air diffusers
install (16) 2" 316 SS drop pipes, (16) 2" 316 SS tees, and (32) 2" x 1" reducers
Purchase and install (32) 304 SS coarse air diffusers.

Timeline Considerations:

Timely replacement of diffusers required to maintain the treatment process. Included in the 2020 rate case as a pro forma project.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The uniformed distribution of air within the two air bays at the Pennbrooke WWTF has diminished over time decreasing the mixing capabilities and dissolved oxygen content of the mixed liquor. Upon pulling several drop pipes to check the condition of the diffusers themselves, many diffusers were found to be missing altogether.

The new stainless steel drop pipes, fittings and diffusers will restore the mixing efficiency and dissolved oxygen content of the mixed liquor improving the treatment process.

Risk Evaluation

Failure to operate the treatment facility as intended would result in the inability to meet the plant operating permit limits.

Alternatives Considered:

Replace drop pipes and fittings with galvanized steel. The cost difference between galvanized and stainless steel is slight when considering the longevity achieved in using higher quality materials that results in long term savings.

Technical Review Summary:

Invoice

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone: (352) 793-5060
Fax: (352) 793-9074

Account #	Date	Invoice #
UC101	5/15/2020	1284

Bill To

Utilities, Inc. of Florida
500 W Monroe St
STE 3600
Chicago, IL 60661-3779

Job #

P.O. No.	Business Unit No.	Terms
336664	260101	Due on receipt

Description	Qty	Rate	Total
PENNBROOKE WWTP		29,280.00	29,280.00
Aeration Diffusers Diffusers are not evenly dispersing air throughout the aeration basin like they were originally designed to do. We will communicate with the on site operator to make sure that we do no harm to the wastewater treatment facility while making the repairs. Provide equipment, crane, materials and labor to remove damaged drop pipes from both aeration basins. Furnish and install (16) sixteen new 2-inch 316 stainless steel drop pipe, (16) sixteen 316 S.S 2-inch Tees, (32) thirty-two 316 stainless steel 2" x 1" Reducers with necessary fittings to install the new diffusers. Make necessary adjustments to pipe supports to support the extra weight. Safety support due to working outside of the safety railing. Owner provides all the new diffusers.			

Total $29,280.00

Quote Number: 2020-375925 Rev: 1
Account ID: 0001010924

Proposal For:	UTILITIES INC OF FLORIDA DOMENIC GENTILUCCI 200 WEATHERSFIELD AVE ALTAMONTE SPRINGS, FL 32714 Phone: 407-948-9839 Domenic.Gentilucci@uiwater.com	Fergus Robinson Evoqua Water Technologies 1828 Metcalf Avenue Thomasville, GA 31792 Phone: 229-227-8705 fergus.robinson@evoqua.com

Item Pricing Summary

Item	Part No Description	Qty	Net Price	Ext. Price
1	**W3T7897** DIFFUSER D2-SS DWG 28-B-15	32	$117.00	$3,744.00
2	**W3TSP4101** SHIPPING & HANDLING	1	$125.00	$125.00
3	**W3TSP4101** TAXES 7%	1	$270.83	$270.83

Total Net Price: $4,139.83

Lead-Time: Stock

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-20) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2020XXX

Requested by: Michael Wilson
Project Manager / Area Manager

Date: 4/9/2020

Project Name: SH Lift Station RTU Installation

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 256100 **SANDALHAVEN**

BU Type: SP

Project Owner: Patrick Flynn

Budget Owner / RP: Gary Rudkin

Project Manager: Michael Wilson

Region: Florida 4

Start Date: 6/1/2020 Q2 2020

State: FL

Estimated End Date: 3/30/2021 Q1 2021

Primarily Like-For-Like Asset Replacement? No

Will project replace/retire any assets: No

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**128,000**	**128,000**
Still to be Requested:			0
Total Project Budget:	**0**	**128,000**	**128,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will include:

1. The installation of 13 lift station remote telemetry units (RTU's) at each of the Sandalhaven lift stations to accomplish remote monitoring with solar battery back up systems.
2. Integrate into the existing core VT SCADA system in place at Lake Groves, Eagle Ridge, Cross Creek and Wekiva Plants.

Timeline Considerations:

Provide remote monitoring of all the lift stations in the Sandalhaven collection system in advance of the 2021 hurricane season.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Installation of these 13 units and the incorporation into the VT SCADA system will increase the ability to closely monitor all lift stations during severe weather conditions such as hurricanes that materially impact the delivery of commercial power. Monitoring can be performed at four different UIF facilities that are at significant distance from each other, as well as by laptop or tablet.

The installation of this system will support the coordinated deployment of personnel and resources pre- and post-storm events, which will reduce the lag time, logistialc efforts and cosst during recovery efforts. After severe weather passes through, personnel will be poised to respond rapidly to assess damage and begin restoration of service to customers. Lift station levels monitored by SCADA will indicate which facilities require emergency equipment such as generators, pumps and/or pumper truck equipment should stations be without power thus improving efficiencies and use of manpower.

Risk Evaluation

After Hurricane Irma, UIF operations staff met with Florida DEP South District staff to review lessons learned from Irma. Severe localized flooding and extended power outages inundated portions of the collection systems that delayed the restoration of wastewater service to the customers, heightened the risk of health, safety and environmental hazards, and increased the cost of recovery. It was determined that SCADA will improve response and recovery times substantially. By installing liquid level transducers in each wet well, lift station levels will be remotely monitored and provide for a much more efficient deployment of resources and manpower by prioritizing the stations with the greatest flow and/or shortest storage time between pump cycles. By continuing as is we risk the consumption of our most valuable but limited asset during a storm - manpower. Recovery after a storm requires long hard work hours that stress manpower and equipment. The stress can lead to accidents and fatigue. SCADA provides an opportunity to help reduce some of that stress and fatigue while also reducing the frequency, duration and environmental impact of sanitary sewer overflows.

Alternatives Considered:

Technical Review Summary:

VT SCADA is sole sourced through Sanders Co. so as to leverage existing SCADA investment in our larger central and southwest Florida systems (LUSI, Lake Groves, Wekiva, Eagle Ridge and Cross Creek). By utilizing VT SCADA throughout, all systems will be incorporated into one viewable system while also offering the opportunity to add SCADA equipment in other systems in the future.

The implementation of SCADA on the lift stations was reviewed with operations staff and FDEP. It is currently in use throughout many Florida systems with good results.

QUOTATION NUMBER
601-20

Page 1 of 2

BARNEY'S PUMPS INC.

P.O. Box 3529 Lakeland, FL 33802-3529
2965 Barney's Pumps Place Lakeland, FL 33812
Phone (863) 665-8500
Fax (863) 666-3858

DATE: November 16, 2020

TO: Mike Wilson
Utilities Inc. of Florida

FOR SHIPMENT TO:

PROJECT: Sandalhaven

Delivery	Via	From	F.O.B.	Terms
10 to12 weeks	Bestway	Barney's Pumps	Barney's Pumps	net 30 with approved credit

ITEM	QTY	DESCRIPTION	PRICE
A	1	Prices submitted are for equipment/services specifically listed within this Scope of Supply which constitute our complete offering. Unitron Controls will provide equipment per the following scope. Thirteen (13) lift station RTUs installed in the existing panels. These RTUs will communicate via cellular text messaging and contain Scitext 1062 controller, power supply, battery, submersible level transducer, surge arrestor, and antenna.	Total Price $127,349

LIFT STATIONS

13 each Installed 1 Spare 14 Total

Tag No.	Description	Type	Discrete: On/Off Analog: Range	
LSH 01*0 P.S.	High Level Status	DI	Normal	High
ESL 01*7 P.S.	Station Power Status	DI	Normal	Loss
YS 01*9 P.S. Intrusion	Station Intrusion Status	DI	Normal	
RS 01*1 Pump1	Running Status	DI	Stopped	Running
TSH 01*1 Pump1	Motor Temperature	DI	Normal	High
XS 01*1 Pump 1 Auto	IN Auto	DI	Auto	Not
YS 01*1 Pump 1or2	Leak Status	DI	Normal	Leak
RS 01*2 Pump 2	Running Status	DI	Stopped	Running
TSH 01*2 Pump 2	Motor Temperature	DI	Normal	High
XS 01*2 Pump 2 Auto	IN Auto	DI	Auto	Not
LSR 01*0 P.S.	Redundant Control	DI	Normal	Active

Prices quoted are firm for 30 days (unless otherwise noted), then subject to adjustment to agree with prices at time of shipment and subject to any tax required by law. We appreciate the opportunity to serve you and trust that we are favored with your order. This quotation is subject to Barney's Pumps standard terms of sale and warranty.

BARNEY'S PUMPS INC.

RON ROBINETTE

Authorized Signature

QUOTATION NUMBER
601-20

Page 2 of 2

BARNEY'S PUMPS INC.

P.O. Box 3529 Lakeland, FL 33802-3529
2965 Barney's Pumps Place Lakeland, FL 33812
Phone (863) 665-8500
Fax (863) 666-3858

DATE: November 16, 2020

TO: Mike Wilson
Utilities Inc. of Florida

FOR SHIPMENT TO:

PROJECT: Sandal Haven

Delivery	Via	From	F.O.B.	Terms
10 to12 weeks	Bestway	Barney's Pumps	Barney's Pumps	net 30 with approved credit

LT 01*0 P.S.	Wetwell Level	AI	0-34.6'	
PC 01*1 Pump1	Pump Call	DO	Stopped	Called
PC 01*1 Pump1	Pump Call	DO	Stopped	Called

9 Solar Power units installed and 1 Spare unit with expanded batteries for 3 days of run time and solar panel installed capable of recharge in 8 hours. This option will allow continuous run on battery.

Total includes Scitext unit, modem, solar kit and install.

Delivery is F.O.B. Barney's Pumps with freight allowed to jobsite. Barney's Pumps standard terms of sale and warranty apply. Start-up, installation, and training services are included. Taxes, anchor bolts, piping, or any material not listed above are not included.
If shop drawings are required for approval, please request them from our office.

The following items are attached: Bulletin ____ Performance curve ____ Elevation drawing ____

Prices quoted are firm for 30 days (unless otherwise noted), then subject to adjustment to agree with prices at time of shipment and subject to any tax required by law. We appreciate the opportunity to serve you and trust that we are favored with your order. This quotation is subject to Barney's Pumps standard terms of sale and warranty.

BARNEY'S PUMPS INC.

RON ROBINETTE

Authorized Signature

Accepted: Patrick C. Flynn

Patrick C. Flynn, Vice President

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

SCOPE OF SUPPLY

Date: March 11, 2020

Project: Englewood LSs

Attention: Mike Wilson

In accordance with the attached Terms and Conditions, Sanders Company is pleased to offer the following materials/services for the above referenced project.

PRICE, DELIVERY AND TERMS OF OFFERING

Prices submitted are for equipment/services specifically listed within this Scope of Supply which constitute our complete offering.
Sanders Company will provide equipment per the following scope.
Thirteen (13) lift station RTUs installed in the existing panels.
These RTUs will communicate via cellular text messaging and contain Scitext 1062 controller, power supply, battery, submersible level transducer, surge arrestor, and antenna.

LIFT STATIONS

13 each

Tag No.	Description	Type Discrete: On/Off Analog: Range		
LSH 01*0 P.S.	High Level Status	DI	Normal	High
ESL 01*7 P.S.	Station Power Status	DI	Normal	Loss
YS 01*9 P.S.	Station Intrusion Status	DI	Normal	Intrusion
RS 01*1 Pump1	Running Status	DI	Stopped	Running
TSH 01*1 Pump1	Motor Temperature	DI	Normal	High
XS 01*1 Pump 1	IN Auto	DI	Auto	Not Auto
YS 01*1 Pump 1or2	Leak Status	DI	Normal	Leak
RS 01*2 Pump 2	Running Status	DI	Stopped	Running
TSH 01*2 Pump 2	Motor Temperature	DI	Normal	High
XS 01*2 Pump 2	IN Auto	DI	Auto	Not Auto
LSR 01*0 P.S.	Redundant Control	DI	Normal	Active
LT 01*0 P.S.	Wetwell Level	AI	0-34.6’	
PC 01*1 Pump1	Pump Call	DO	Stopped	Called
PC 01*1 Pump1	Pump Call	DO	Stopped	Called

Sanders Company will build screens and configure VT Scada to monitor and control the lift stations.

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

PRICE: $ 7,689.00 each $ 99,957.00 Total PLUS TAX if applicable. FOB factory with freight allowed to jobsite, shipped via standard commercial carrier.

Option #1 Solar Power adder expanded batteries for 3 days of run time and solar panel installed capable of recharge in 8 hours. This option will allow continuous run on battery.

Net each $2,150

DELIVERY: 11-13 weeks after complete and acceptable approval is received in the Stuart offices of Sanders Company, Inc.

TERMS OF PAYMENT
Based on initial and continuing credit approval by Sanders Company, Inc., the following payment terms apply: Net 30

- NO HOLDBACK (RETAINAGE) provision is offered or allowed

SCI form 575 Terms and Conditions, which is attached, is an integral part of this offering.

Note payment via credit card on orders over $10,000 will incur a 3% adder.

Thank you for the opportunity to offer this Scope of Supply.
Please contact me with any questions and/or comments regarding this offering.

Ron Robinette
Sales
Cell 321-229-7643 Stuart office 800-247-0880 Ron@Mrsewage.com

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

Project Schedule

Date: September 21, 2020

Project: Englewood 13 Lift Stations

Attention: Mike Wilson

Mike as you requested, I have enclosed a schedule for this project.

Purchase Order Received:
6 to 8 weeks All parts received at site.
2 Stations completed each week there after for 7 weeks.

Total project time 13 to 15 weeks.

Please let me know if you have any further questions.

Ron Robinette
Sales
Cell 321-229-7643 Stuart office 800-247-0880 Ron@Mrsewage.com

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-21) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	6/22/2020
Project Name:	Sandalhaven I&I Investigation		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330340.15
Business Unit:	256100 **SANDALHAVEN**	**CO #:**	256
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Joey Norman	**Budget Owner / RP:**	Gary Rudkin
Start Date:	1/2/2021 Q1 2021	**Region:**	Florida 04
Estimated End Date:	4/30/2021 Q2 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No	Project Type: *(Select one-->)*	Maintenance 002
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**56,500**	**56,500**
Still to be Requested:			0
Total Project Budget:	**0**	**56,500**	**56,500**

Description:

The project's scope includes the following.
Phase 1:
1) Clean, video inspect and smoke test 8,000 LF of 8" gravity main located in the Sandalhaven collection system.
2) Generate a report that identifies pipe or manhole deficiencies that will require repairs. Use the report to solicit bids to correct those deficiencies.

Future Phase 2:
Solicit bids from qualified contractors to correct the deficiencies found.

Timeline Considerations:

Phase 1 of this project is being executed as a proforma project in the 2020 rate case.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Sandalhaven collection system was initially built in the 1980's. The gravity mains and laterals consist of a combination of VCP and PVC piping.

The Sandalhaven collection system is a bulk sewer system with Englewood Water District providing treatment and disposal. This investigation will allow us to identify the location, extent, and scale of pipe deficiencies with a goal, in a separate future construction project, of reducing the volume of groundwater infiltration and surface runoff.

Subsequently in Phase 2, the Utility will solicit bids from qualified contractors to address those deficiencies using various technologies such as CIPP, open cut pipe replacement, MH lining and/or other methods.

Risk Evaluation

This evaluation will identify deficiencies in gravity sewer mains and/or manholes that are allowing excess infiltration and inflow to enter the system. By identifying the number and location of pipe deficiencies, a separate construction project can be developed to rehabilitate the gravity mains that may otherwise provide opportunities for groundwater infiltration to overload the system, especially during periods of high water table elevation.

Alternatives Considered:

Reduce the length of pipe to be evaluated to decrease the project cost. However, this may result in delaying the discovery of significant pipe deficiencies or locations where runoff or groundwater is entering the collection system.

Technical Review Summary:

This project has been reviewed by field staff and management.

SPECIALIZED PIPE TECHNOLOGIES

April 20, 2020

COMMERCIAL NON-PRESSURIZED CONTRACT

Contract #: 17739

Project: Sandalhaven WWTP

Project Site Address: 6811 Placida Rd
Englewood Fl 34224

Owner/Owner'S Rep Company:	Utilities Inc of Florida herein referred to as (“Owner/Owner's Representative (Rep)")
Address:	500 W Monroe St suite 3600
City, State, Zip Code:	Chicago Il 60661
Contact Name:	Joey Norman
Phone #:	239-202-7343
Email:	joey.norman@uiwater.com

Billing Information:	Utilities Inc of Florida
Address:	500 W Monroe St suite 3600
City, State & Zip Code:	Chicago Il 60661
C/O:	
Phone #:	239-202-7343
Email:	joey.norman@uiwater.com

Contractor:	Specialized Pipe Technologies ("SPT") herein referred to as (“Contractor”)
Address:	Sarasota 226 Field End Street Sarasota, FL 34240 941-379-5118 Tel / 941-379-2160 Fax
Account Manager:	Chris Perez
Mobile #:	727-310-9131
Email:	chrisp@sptpipe.com
Website:	www.sptpipe.com

SPT SPECIALIZED

CONTRACT PRICE & TERMS

Contract Price:	$56,500.00
Estimated Start Date:	TBD
Job Duration:	15 days
Payment Terms:	30 Days
Other Payment Terms:	Extra work and change orders become part of the contract once the order is prepared in writing and signed by the parties prior to the commencement of work covered by the new change order. The order must describe the scope of the extra work or change, the cost to be added or subtracted from the contract, and the effect the order will have on the schedule of progress payments.
Mobilization Payment:	$11,300.00
Mobilization Payment %:	20%
Mobilizations:	Single
Mobilization Payment Due:	Upon fully executed contract
Mobilization Notes:	SPT will require parking for one 25' box truck, hydro-jet trailer as close to the project as possible. Access to 120v electrical supply and hose bib water supply.
Work Performed During:	Regular Business Hours
Prevailing Wage:	No

1) Any additional pricing, if applicable:
   a. Price per linear foot $0.00

Contractor has entered into an agreement ("Contract") with Owner/Owner's Representative and this Agreement shall become effective (the "Effective Date") upon the date this Agreement is signed by both parties.

The Owner/Owner's Representative and Contractor agree that:

1 **Contract Documents**. The Contract Documents consist of the Summary, this Contract, and the following attached exhibits, which are hereby incorporated into the Contract:

Exhibit A:	Scope of Work
Exhibit B:	Bypass
Exhibit C:	Pricing/Payment Terms
Exhibit D:	Contractor Warranty Certificate Sample
Exhibit E:	Standards, Approvals and Conformance Codes
Exhibit F:	Insurance Coverage

2 **Scope of Work and Schedule.** Contractor shall provide all labor, materials, equipment, transportation and facilities necessary to complete the Scope of Work specified in the attached Exhibit A (the "Work"). At all times during the progress of the Work, Contractor will employ skilled workmen and maintain an adequate supply of materials and equipment to complete the Work. Contractor agrees to keep Owner informed of the progress of the project, to coordinate with Owner all Work scheduled, and to cooperate with other contractors performing Work on the project. In the event changes in the schedule are required, Owner and Contractor shall cooperate to revise the schedule as necessary.

2.1 **Staging of Equipment.** If required, Owner/Owner's Representative will provide adequate space based on Contractor's planning layout and staging of equipment. It is the Contractor's decision to locate and stage the equipment in the best possible location based on the scope of work.

2.2 **Epoxy Cure Time.** Owner/Owner's Representative understands that the curing of the epoxy will vary depending on ambient temperature. Contractor may not be able to facilitate returning of pipe into service until the epoxy is cured.

2.3 **Damages Due to Tampering.** Interfering with the open pipe system may result in extensive property damage. Owner/Owner's Representative is responsible for auxiliary damages caused by tampering with the system during the project phase.

2.4 **Bypass.** If a bypass system is required, a proper drawing will be provided by Contractor for a nominal fee. Owner/Owner's Representative and Contractor will sign off on the drawings showing acceptance to the proposed design. If Owner/Owner's Representative opts to provide their own drawings then Contractor is not responsible for damages caused by failure of the proposed design. If applicable see Exhibit B.

2.5 **Undisclosed Issues.** Owner/Owner's Representative is required to give a 10 calendar day notice of any issues as mentioned in Exhibit D (Contractor Warranty Certificate) If proper notice of any issues arising under the warranty is not provided by the Owner, all Claims related to that issue are void and Owner is deemed to have waived its rights under the warranty for all such Claims.

3 **Contract Price and Payments.** In exchange for Contractor's performance of all obligations required by the Contract Documents, Owner agrees to pay Contractor the contract price set forth in the attached Exhibit C (the "Contract Price").

3.1 **Progress Payments.** Where the duration of the Work exceeds seven (7) calendar days, Contractor will submit to Owner Applications for Payment for the amount of the Contract Price which corresponds to the proportion of the Work actually completed by Contractor during the preceding seven (7) calendar day period, as reasonably determined by Contractor. Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment. Progress payments are due within ten (10) business days of Owner's receipt of any Application for Payment.

3.2 **Final Payment.** Final payment, constituting the entire unpaid balance of the Contract Price, is due upon Contractor's Substantial Completion of the Work, both potable work and traditional plumbing work, as applicable. Although patch or follow up Work may thereafter be required, final payment is due within ten (10) business days of Substantial Completion of the potable and traditional plumbing Work. Contractor's service department will thereafter contact Owner directly to make arrangements for completion of any patch or follow up Work. Substantial Completion is defined as the stage in the Work when the Work or a designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can legally and practicably occupy and utilize the Work for its intended use.

3.3 **Late Payment.** All accounts not paid in full within ten (10) business days of the due date shall be considered delinquent and subject to collection action. Checks returned to the Contractor for any reason shall be assessed a one-time fee of twenty-five dollars ($25.00). Owner agrees to pay all costs, including reasonable legal fees and court costs, incurred in collecting delinquent amounts, plus interest on delinquent amounts at the rate of eighteen percent (18%) per annum or the maximum rate permitted by law, whichever is less, starting on the eleventh calendar day after the payment due date.

4 **Changes in the Work.** To the extent it becomes necessary for Contractor to perform changes which add to or subtract from the Work specified in Exhibit A, the Contract Price shall be adjusted accordingly. Ordinary field modifications which do not increase Contractor's cost of the Work will be performed without adjustment to the Contract Price. Owner's piping system may not be in compliance with existing codes. Upgrades for the purpose of meeting present code compliance may result in an increase to the Contract Price. No upgrades for the purpose of meeting present code compliance will be performed without Owner's prior approval. In the event Owner withholds approval for upgrades or changes necessary for compliance with applicable codes, Contractor shall bear no responsibility for resulting non-conformities and/or any damages arising in connection thereto.

4.1 **Change Order Proposals/Change Orders.** To initiate a change in the Scope of Work, Owner may request in writing a change order proposal from Contractor. Upon receipt thereof, Contractor shall prepare and submit a change order to Owner. Owner and Contractor agree to negotiate in good faith the terms of a proposed change.

5 **Owner's Obligations.**

5.1 **Mechanic's Lien Rights.** The Owner shall furnish to Contractor within fifteen business days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of or enforce mechanic's lien rights. Such information shall include a correct state of the record legal title to the property on which the project is located, usually referred to as the site, and the Owner's interest therein.

5.2 **Owner's Ability to Pay.** Prior to commencement of Work, the Contractor may request in writing that the Owner provide evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. Thereafter, the Contractor may only request such evidence if the Owner fails to make payments to the Contractor as required in the Contract or, the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due.

5.3 **Owner's Obligations.** It is the responsibility of the Owner to move all required appliances (including washing machines and refrigerators which have outlets to be restored behind the units) before Work begins. Following the restoration, it is the responsibility of the Owner to replace these items. If Owner elects to have Contractor move appliances, Contractor shall be entitled to an increase in the Contract Price. Prior to any Work commencing, the Owner must (A) trim and remove any and all plants that impede access to the water service stub out (water entry location to the structure, if applicable), (B) remove all items under cabinets where plumbing outlets are located, and (C) clear all items within four feet of all access panels located in closet areas.

6 **Contractor's Obligations.**

6.1 **Performance of Work.** Contractor will have a competent foreman and/or superintendent at the project during all working hours that will have absolute authority to act, in all respects, on behalf of and for Contractor. Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures, and Contractor will supervise and coordinate all aspects of the Work consistently with the professional skill and care ordinarily provided by other contractors working in the same or a similar locality under the same or similar circumstances.

6.2 **Contractor Compliance.** Contractor shall comply with all federal, state, provincial and local rules and regulations applicable to its performance of the Contract, and shall indemnify and hold the Owner harmless from and against any penalties or fines assessed due to an agency determination of Contractor's non-compliance with applicable rules or regulations.

6.3 **Safety.** Contractor will, at its own expense, protect its employees and all other persons from risk of death, injury or bodily harm arising from or in any way related to the Work. Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of this Contract.

6.4 **Safety Laws.** Contractor will fully comply with all applicable laws, orders, citations, rules, regulations, standards and statutes concerning occupational health and safety, accident prevention, safety equipment and practices.

7 **Hazardous Substances.** In order for Contractor to complete the Work, all fittings and shutoff valves must be accessed in order to isolate sections of the piping system. Owner must disclose to Contractor the presence of, or suspected presence of toxic mold, asbestos, lead, or other Hazardous Substances contained in the subject property, and will provide a copy of any toxic mold, asbestos, lead or other related Hazardous Substances reports to Contractor prior to Contractor's mobilization. Should the reports disclose toxic mold, asbestos, lead or other related Hazardous Substances, prior to Contractor's mobilization, a certified Hazardous Substances consultant must inspect any valves, connections or joints that may be covered with friable asbestos, as well as work areas such as attics, crawl spaces and pipe chases. If removal of such valves and fittings disturbs asbestos and creates a hazard during the course of the Work, or if the work areas are found contaminated with such Hazardous Substances, the Owner shall, at its sole expense, retain a duly certified contractor to perform asbestos or other Hazardous Substances abatement procedures on those work areas, pipe sections and fittings requiring access. Unless otherwise noted, the pricing and schedule provided herein assumes that no such toxic mold, asbestos, lead, or other Hazardous Substances are contained in the subject property, and if later disclosed or discovered may necessitate adjustment of the Contract schedule and an increase to the Contract Price.

7.1 To the fullest extent permitted by law, the Owner shall defend, indemnify and hold harmless the Contractor and its agents and employees from and against all Claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact a material or substance identified by the Contractor in accordance with this Section 7 presents the risk of bodily injury or death and had not been rendered harmless, provided that such Claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), and provided that such damage, loss or expense is not due to any fault or negligence, or breach of this section by the Contractor, its agents or employees.

7.2 Contractor will not use or permit any Hazardous Substances in the construction of the Work, except for commonly used construction materials, and all such material will be handled in full compliance with all applicable laws, ordinances and regulations and all notices required to be given with respect to such products shall be given by Contractor. Contractor will not, nor will it allow any other person to, release or dispose of such Hazardous Substances used by Contractor at the project into the soil, drains, surface or ground water, or air. "Hazardous Substance" means any substance or material which has been determined or is in the future determined by any federal, state, provincial or local governmental authority to be capable of posing a risk of injury to health, safety, property or the environment.

7.3 To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the Owner from and against all Claims, damages, losses and expenses, including attorneys' fees, arising out of or resulting from any Hazardous Substances brought to the site and negligently handled by the Contractor, its agents or employees, or the Contractor's failure to comply with any requirement of this section, including any and all governmentally mandated removal or cleanup of any such Hazardous Substances.

8 **Independent Contractor Status.** Contractor will perform the Work as an independent contractor. No employment, agency, or partnership relationship is created by this Contract.

9 **Contractor's Employees and Subcontractors.**

9.1 Contractor assumes responsibility for all acts and omissions of the Contractor's employees acting within the scope of their employment performing the Work on behalf of the Contractor. All employees used by Contractor in the performance of the Work are qualified to perform their assigned tasks. Contractor has the sole discretion for determining the qualifications of such personnel.

9.2 Contractor has the right to use the services of one or more subcontractors to perform the Work. Subcontractors will be held to the same standards as set forth in this Contract for the Contractor and its employees.

10 **Job Site Conditions.** Contractor and Owner shall at all times enforce strict discipline and good order among their agents, employees and subcontractors.

11 **Warranties.** Contractor warrants that its workmanship and pipe-lining materials are in full accordance with the warranty provided by Contractor and attached hereto as Exhibit D.

11.1 **Assignment of Warranties.** Owner's sole and exclusive warranty for new valves, fittings and other traditional plumbing products installed as part of the Work, if any, is that provided by the product's manufacturer. Upon final completion of the Work, Contractor agrees to assign to Owner all manufacturer's warranties (if applicable) relating to the Work not arising out of Contractor's workmanship which is warrantied for a period of one (1) year.

11.2 Except as expressly set forth in this Contract, Contractor MAKES NO REPRESENTATIONS AND EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

12 **Concealed or Unknown Conditions.** If the Contractor encounters conditions at the project site that are (A) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract or (B) unknown physical conditions of an unusual nature, that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract, the Contractor will promptly provide notice of the conditions to the Owner. If any of the events described in this Section 12 will cause an increase or decrease in the cost or time required for the performance of any part of the Work, the parties will agree on an equitable adjustment in the Contract Price or date of Substantial Completion, or both.

13 **Limitation of Liability.** Neither the Contractor nor its agents or employees shall be jointly, severally or individually liable to the Owner in excess of the compensation received by Contractor under this Contract by any reason of any act or omission, including breach of contract or negligence not amounting to a willful or intentional wrong.

Neither party shall be liable to the other for any indirect, consequential, incidental, exemplary, special or punitive damages (including lost profits and lost business), arising out of or related to this Contract. In any event, the liability of one party to the other for any reason and upon any cause of action shall be limited to the total amount of fees paid to Contractor under this Contract. This limitation applies to all causes of action in the aggregate. Notwithstanding anything to the contrary contained herein, the exclusions and limitations of liability contained in this section shall not apply to: (A) Owner's failure to pay fees due and owing hereunder; (B) Contractor's or Owner's indemnification obligations under this Contract; (C) personal injury, including death, and damage to tangible personal property caused by the negligent, willful or intentional acts of a party or its employees, agents or subcontractors; or (D) losses suffered by a party arising out of acts or omissions of the other party that are committed or omitted by the other party voluntarily notwithstanding that the other party knows or ought to have known that such acts or omissions will result in damages including, in the case of Contractor, cessation of the services.

14 **Indemnity.**

14.1 **Contractor Indemnity.** To the fullest extent permitted by law the Contractor shall defend, indemnify and hold harmless the Owner, Owner's Agent, and their employees ("Indemnified Parties") from and against any and all Claims, damages, losses, liabilities and expenses arising out of, in connection with, or resulting from the performance, or failure in performance of the Work or any other obligation in or related to the Contract, but only to the extent that such Claim, damage, loss, liability or expense in caused by the acts or omissions of the Contractor. Such obligations shall not be construed to negate, abridge, or reduce other rights or obligations of defense or indemnity which would otherwise exist as to a party or person described in this Section 14.1. The Owner shall have the right, at its sole option to participate in the defense of any such Claim, demand or suit without relieving the Contractor of its obligations under this section.

14.2 Nothing in this section, or any other indemnity obligation of the Contractor elsewhere in the Contract Documents, shall obligate the Contractor to defend or indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence. If any defense or indemnity obligation of the Contractor under this Section 14.1, or any other defense or indemnity obligation in favor of any of the Indemnified Parties required by or contained elsewhere in the Contract, is held to be unenforceable, the Contractor agrees to defend, indemnify and hold harmless such persons or entitles to the full extent permitted by law.

14.3 **Claim.** For purposes of this section, a "Claim" is any claim, demand, obligation, cause of action, damage, loss, liability, cost or expense, including without limitation legal fees and other litigation, mediation, arbitration or judicial reference expenses, of every kind and character, whether based on tort, contract or equitable principles, in any way occurring, incident to, arising from, or in connection with the terms or provisions of this Contract.

14.4 **Notice.** Notice of all Claims under this Contract, including Claims pursuant to the warranty, shall be provided in writing, as specified in Section 26, within 10 calendar days of the discovery of any Claim or any circumstances leading to the Claim. Failure to make proper notice of any Claim or any circumstances leading to a Claim shall result in a waiver of the Owner's right to file all Claims related to those circumstances.

15 **Waiver of Subrogation.** Owner and Contractor waive all rights against each other, their officers, agents and employees for damages resulting from any cause of loss to the extent covered by any policy of insurance.

16 **Termination.**

16.1 A written notice from Contractor shall terminate this Contract forthwith under the following conditions: (A) if Owner does not pay all outstanding invoices/requests for payment to Owner under the terms of this Contract; (B) if Owner does not comply with any of the material terms of this Contract; or (C) if Owner makes a general assignment for the benefit of creditors or a proposal or arrangement under any applicable bankruptcy or insolvency legislation, if a petition is filed against Owner under any applicable bankruptcy or insolvency legislation, if Owner shall be declared or adjudicated bankrupt, if a liquidator, trustee in bankruptcy, custodian, receiver, receiver and manager or any other officer with similar powers shall be appointed of or for Owner or if Owner shall commit any act of bankruptcy or shall propose a compromise or arrangement or institute proceedings to be adjudged bankrupt or insolvent or consents to the institution of such appointment or proceedings or admits in writing inability to pay debts generally as they become due.

16.2 In the event of Contractor's material breach of one or more material terms of this Contract, Owner shall provide written notice to Contractor: (A) describing the condition(s) of material breach; and (B) that if the condition(s) is not cured within (10) business days of the date of written notification under this Section16.2, then the Owner will terminate the Contract; provided, however, if the default is not susceptible of cure within a 10 business day period, then the 10 day cure period shall be extended if Contractor commences to cure the default within such 10 business day period and thereafter proceeds with reasonable diligence to complete such cure.

16.3 **Payment after Termination.** In the event the Owner terminates the Contract, the Owner shall pay to Contractor its (A) actual, reasonable out-of-pocket cost, including equipment costs, for all Work performed; (B) profit; (C) the cost of settling and paying claims arising out of the termination work under any subcontracts; and (D) the reasonable out-of-pocket costs (including overhead) of the preservation and protection of property.

16.4 Contractor will immediately notify the Owner of any damage to any real and/or personal property on the premises directly resulting from the negligent or intentional acts of Contractor or its agents or representatives. Contractor shall have ten (10) business days within which to repair the same. If the damage is not repaired by Contractor within ten (10) business days, Owner may, in its sole discretion, repair and/or replace the damaged property. Damage caused by Contractor or its agents or representatives shall be reimbursed to Owner by Contractor. The handling of disputes arising from damage Claims shall be in accordance with the provisions set forth herein at Section 18.

16.5 Warranty after Termination. Termination of the Contract shall not affect any of the rights of either party under the Contract with respect to completed Work for which payment has been made in full, or relieve Contractor from its obligations with respect to completed Work for which payment has been made in full, including the warranty.

17 **Clean-up.** Contractor will clean up and remove waste from the project caused by Contractor's performance of the Work. Owner shall provide to Contractor physical space to store and assemble equipment in a location convenient for Contractor's Work. Owner shall provide receptacles for the disposal of waste and rubbish by Contractor.

18 **Governing Law / Dispute Resolution.** This Contract shall be governed by the laws of the jurisdiction in which it is performed. All Claims or disputes between Owner and Contractor concerning any part of this Contract or the performance thereof shall be subject to mediation as a condition precedent to arbitration or the institution of legal or equitable proceedings by either party. Unless the parties mutually agree otherwise, mediation shall be through and in accordance with the rules of the Judicial Arbitration and Mediation Service ("JAMS"), and shall take place at the JAMS office nearest the location where the Contract was performed.

Claims or disputes not resolved by mediation shall be decided by arbitration which, unless the parties mutually agree otherwise, shall be through and in accordance with the Comprehensive Arbitration Rules and Procedures of JAMS, and shall take place at the JAMS office nearest the location where the Contract was performed.

19 **Entire Agreement.** This Contract, and all exhibits and addenda attached hereto, which are incorporated herein by reference, shall constitute the entire agreement between the parties hereto, and there are no other agreements, oral or written, made by or relied upon by and between the parties hereto. No provision of this Contract may be amended or added to except by a change order or other document in writing and signed by the parties hereto.

20 **Severability.** If any provision of this Contract is held by a court or arbitrator of competent jurisdiction to be illegal, null or void for any reason, the remaining portions of this Contract shall not be affected thereby and shall remain in full force and effect to the fullest extent permissible by law.

21 **Authority to Bind.** Each party, or individual signing the Contract on behalf of a party, represents that she/he has the full legal power, authority and right to execute, deliver and perform its obligations under this Contract, and each party's performance hereunder and the transaction contemplated hereby have been duly authorized by all requisite actions on the part of such party and no remaining action is required to make this Contract binding.

22 **Assignment.** Except as provided in Section 16.1, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

22.1 The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the project. The Contractor shall sign all documents reasonably required to facilitate such assignment.

23 **Waiver.** No act, omission, or knowledge, actual or constructive, of the Owner or Contractor shall in any way be deemed to be a waiver of any rights under or requirement of this Contract unless the Owner and Contractor sign an explicit, unequivocal written waiver.

24 **Construction.** It is acknowledged that the parties hereto and/or their professional representatives have participated equally in the negotiation and drafting of this Contract and have had sufficient opportunity to review and comment upon the terms and provisions of this Contract prior to the execution hereof. Accordingly, any ambiguities herein shall be construed without regard to any rule of law providing for the resolution of contractual ambiguities against the party who drafted the applicable document.

25 **Notice.** All notices and reminders required under this Contract shall be in writing and: (A) delivered personally, (B) sent by certified mail, return receipt requested, (C) sent by a recognized overnight mail or courier service, with delivery receipt requested, or (D) sent by E-mail communication followed by a hard copy and with receipt confirmed by telephone, to the addresses set forth below. Notice by mail shall be deemed effective three (3) business days after the date of mailing.

If to Owner/Owener's Rep:	Utilities Inc of Florida	If to Contractor:	Specialized Pipe Technologies
Attn:	Joey Norman 500 W Monroe St suite 3600 Chicago Il 60661	Attn:	General Counsel 7710 Kenamar Court San Diego, CA 92121

SPT SPECIALIZED

This Contract is entered into between Contractor and Owner/Owner Representative as of the Effective Date set forth below. By signing below, Owner/Owner Representative accepts all Contract provisions and authorizes Contractor to proceed with the Work set forth herein.

Contractor: Specialized Pipe Technologies

Signature: 

Print Name: JUSTIN MIZELL

Title: PRESIDENT

Date: 6/30/2020

Owner/Owner Representative: Representative

Signature: Michael A. Wilson

Print Name: Michael A. Wilson

Title: Regional Manager

Date: 6/29/2020

SPT SPECIALIZED

EXHIBIT "A"
SCOPE OF WORK

Description of Scope of Work:
SPT will Vaccon clean and large camera inspect customer provided footage of 28,800 linear foot of 8" VCP utilizing 72 manholes thoughout the runs. The Vaccon work is expected to take 7 days and the camera inspection is expected to take 15 days total. SPT will provide a full written report and a link or USB for the camera inspection to Utilities Inc when complete.

Nature of Work:	Sewer	**# of Buildings:**	
Add'l Nature of Work:		**# of Floors:**	
Type of Building:	HOA/Condo Association(s)	**# of Units:**	
Pipe to be:	N/A	**# of Stacks**	

Location of Pipe:
Sandalhaven neighborhood

Type of Pipe: Vitreous Clay

Add'l Type of Pipe:

Total Pipe:

Diameter of Pipe (I.D.)	2"	3"	4"	5"
Linear Ft.				
# of Reinstatements				
Diameter of Pipe (I.D.)	6"	8"	10"	12"
Linear Ft.		28880		
Diameter of Pipe (I.D.)	18"	Other	Other	Other
Linear Ft.				
# of Reinstatements				

TOTAL LINEAR FEET:	28,880
TOTAL REINSTATEMENTS.:	0
Total Underground Footage:	0
Total Above Ground Footage:	0

SPT SPECIALIZED

EXHIBIT "A"
SCOPE OF WORK – Cont'd

Access to Pipe Detail:

Access Points detailed description (what, where, and number: full, limited, or partial): Access to the pipe will be through manholes.
Access Performed By: SPT

General Process Description:

To install an epoxy coating system on the interior wall of the unlined pipe, the reconstruction is accomplished by using a felt tube of one or more layers of material, and a thermo-set epoxy resin with physical and chemical properties appropriate for the application. This system process will provide a new Cured-in-Place Pipe (CIPP) lining system, complete and ready for operation.

- Contractor shall field verify/document the current condition of the contracted portion of the piping system prior to the rehabilitation, using Closed Circuit Television (CCTV) and recording equipment.
- Recording of post-cleaning and post-rehabilitation will be performed of each Work segment.
- Piping system will be cleaned with one or all the following methods:
  - o High pressured water jetting.
  - o Electric/pneumatic proprietary cleaning equipment and tools.
- The pipe will be lined in work segments using Nu-Drain flex-liner.
- Overlapping sections are allowed in the length of the liner. Ensure that the liner tube is capable of conforming to 45 and 90 degree bends, offset joints, bells, and disfigured pipe sections.
- The CIPP restores structural integrity and extends the useful life.
- The restoration is accomplished through either single or double-entry access points with minimal or no destruction to interior or exterior surfaces on either end (if proper access currently exists).
- The liner shall be installed in lengths to be determined by Contractor in runs that allow for proper cure and a timely restoration of water services to the building.
- Timely and uninhibited access must be provided to all areas where the cleaning, lining, and reinstating process will occur.

The protective epoxy coating is smooth and durable, having a finish resistant to mineral deposits and corrosive effects of acids, alkalis and petroleum products.

SPT SPECIALIZED

EXHIBIT "A"

SCOPE OF WORK – Cont'd

Specific Exclusions (Unless Specified):

Specifically excluded from the Scope of Work, in addition to any items noted or not specifically included are:

1. Removal of any Hazardous Substances as defined under Workplace Hazardous Materials Information System ("WHMIS"), Workers' Compensation Board ("WCB"), Environmental Protection Agency ("EPA") or other regulations (asbestos and urea formaldehyde insulation).
2. Toxic mold abatement and lead paint abatement.
3. Loose fill building insulation removal, including its replacement.
4. Engineering and drawings.
5. Replacement of wallpaper in common and private areas. Any such areas affected will be restored to a paint ready state.
6. Restoration of any custom paint (faux) finishes. Any such areas affected will be restored to a paint ready state.
7. Floor, wall and ceiling materials, put-back/finishes of any type or upgrades.
8. Any supervision, labor, x-raying/coring required as a result of pipe relocation due to post-tension cables in the building's structure.
9. Removing and replacing in-suite improvements. Any such openings will be restored to original construction finishes (primed or painted).
10. Traffic-control.
11. Excavation and shoring.
12. Notifications of tenants/unit owners.
13. Required upgrades to current plumbing codes.
14. Axillary plumbing parts such as, but not limited to aerators and faucets.
15. Demolition.
16. Creating access points.
17. Pump and bypass of the flow in the pipe.
18. Any shutdowns, removal and/or installation of floor drains and clean-outs.
19. Acts of God.

SPT SPECIALIZED

EXHIBIT "A"
SCOPE OF WORK – Cont'd

Additional Exclusions:

Unless explicitly noted in the Scope of Work or additional inclusions, these items are EXCLUDED: Notification and shutdown coordination with tennants, residents, and/or occupants. Should it be needed, conventional plumbing, pipe replacement or reconfiguration not specifically listed in SOW or inclusions. Installation of or creation of additional access points. Excavation, backfill, export or import of soil. Concrete or asphalt sawcut, break or haul. Re-pour of concrete or asphalt patching. Trench plating, shoring or traffic control. Painting, tile, cabinet/millwork, carpet or other floor or wall finishes. Demolition outside of scope. Lead and asbestos testing and abatement. Access panels. Removal and installation of plumbing fixtures, except where necessary to install CIPP liner. P-trap/waste arm replacement.

Inclusions:

See scope of work.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-22) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2019109
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	6/18/2019
Project Name:	Wekiva WWTF Improvements			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	255101	**SANLANDO S**		
			BU Type:	SP
Project Owner:	Patrick Flynn			
			Budget Owner / RP:	John Hoy
Project Manager:	Bryan K. Gongre			
			Region:	Florida 4
Start Date:	7/8/2019	Q3 2019		
			State:	FL
Estimated End Date:	10/1/2020	Q4 2020		
Primarily Like-For-Like Asset Replacment?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:		6,010,201	6,010,201
This Request:		**195,626**	**195,626**
Still to be Requested:			0
Total Project Budget:	**0**	**6,205,827**	**6,205,827**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Project elements include:
1. Conduct a baseline Noise & Odor study at the treatment facility and adjoining neighborhood.
2. Install three new high speed turbo blowers (3,300 SCFM) and controls in a steel blower building.
3. Construct a 400LF 20" stainless steel overhead air header line from the blower building to each of the three treatment trains including all necessary valves.
4. Install two Aqua Aerobics tertiary disc filters, each rated at 3.0 MG AADF, including electrical, stairs, walkway, handrail, valves and piping.
5. Replace existing pole barn with metal storage building to house generators, trailer-mounted pumps, dechlorination feed equipment and a sodium bisulfite storage tank.
6. Relocate the existing Ashbrook belt filter press into a new solids handling building.
7. Replace and relocate two 2,500 gallon sodium hypochlorite storage tanks and chemical pump skid into solids handling building including piping, valves and electrical.
8. Replace the existing sodium aluminate tank and chemical feed pumps with a new 5,000 gallon tank and feed pumps.
9. Decommission and remove the existing sodium aluminate and sodium bisulfite pumps, storage tanks and related equipment.
10. Mill and resurface 4,000 square yards of asphaltic roadways.
11. Replace facility entrance gate, signage and landscaping.
12. Demolish and remove all retired assets including 2 traveling bridge filters, 3 process blowers & controls, sludge vacuum bed
13. Modify site grades as needed, construct 900 square yards of concrete sidewalks and related ancillary items.

Change Order 01 - Furnish and install new 24" HDPE high service pump suction water main. Install approximately 120 LF of 8" sewer line from the existing manhole to the new C-box.
Change Order 02 - Upgrade sludge press hopper and laser retrofit to control seepex pump. Furnish and install new metering pump and BLI lubrication ring on sludge line. Upgrade sludge discharge chute piping from 6" DIP to 8" DIP.
Change Order 03 - Install 200' of #6 AWG wire from the existing maintenance building to the new storage building.

Timeline Considerations:

The Wekiva WWFT is currently under an open FDEP Consent Order that was originally scheduled to be closed at the end of calendar year 2019. The Utility has requested an extension to October 1, 2020. The project will need to be constructed and placed in service by the revised date.

Inter-dependant Project Project Number: Project Name Wekiva WWTF Imp - Eng (If applicable)

Have engineering evaluations been performed? Yes Engineering project number 2018109 (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

1. Under the terms of an FDEP Consent Order, the Utility was required to perform an engineering study of the Wekiva WWTF to determine if any deficiencies exist that cause the facility to fail to meet its operating permit limits and whether the plant meets Class I reliability standards. The report, with recommended improvements, was submitted to FDEP for review. FDEP determined that the corrections outlined in the report met the objectives of the Consent Order. Shortly thereafter a permit application to construct the proposed improvements was submitted to FDEP and a permit to construct was issued by the Department on 1/31/2019.
2. A Noise & Odor study was conducted to provide a baseline of existing conditions at the plant boundary, to determine whether excessive noise or odors are being generated and carried off site, and to identify measures to reduce them to meet FDEP regulations.
3. The three existing centrifugal blowers are approximately 30 years old and have outlived their useful service life. A condition assessment ranked these blowers as being at high risk of failure. Replacing the units with high efficiency turbo blowers and automated controls will provide adequate air supply to the three extended aeration treatment trains, provide some power savings and deliver many years of reliable service while maximizing the production of reclaimed water and reducing the consequence of failure. Reuse water has no nutrient limits and thus no sodium aluminate costs are incurred when making reuse.
4. The existing traveling bridge sand filters cannot reliably produce effluent meeting reuse limits, especially at peak flow conditions. They do not provide Class I reliability. The two new disc filters will meet Class I requirements and reliably produce reclaimed effluent. This will reduce the frequency, duration, and impact of surface discharges to Sweetwater Creek as well as reduce the use of sodium aluminate for phosphorous removal to meet nutrient limits. There will be a corresponding reduction in sludge production.
5. The existing belt filter press was placed on a former sludge cake storage area (circa 1973) prior to being hauled off site. This concrete slab is fracturing and will completely fail in the near future as a result of the heavy truck traffic and sludge roll-off units. The belt filter press will be relocated to an area adjacent to the operations building that will better accommodate the use of the 30 cu. yd. sludge containers. After relocation, the existing sludge bed will be decommissioned and demolished.
6. Other assets, such as the chemical feed pumps and equipment, pole barn, access roads, etc. have outlived their service life and are at risk of failure, which would negatively impact the treatment process and the quality of the effluent.

Change Order 01 was necessary to relocate the existing 20" cast iron HSP suction water main that was found to be in conlfict with the location of the new sludge handling building pad.
Change Order 02 was necessary to allow for the pressed sludge to be conveyed to the roll off containers within the new sludge handling building.
Change Order 03 was required to power the new dechlorination pumps and storage building lights and receptacles. The original electric design was to use the the existing electric service from the operations building but that service has failed due to age and is at a greater distance (400') compared to running a new serivce from the maintenance building at 200'.

Risk Evaluation

Failure to comply with the terms of the FDEP Consent Order will result in penalties and fines.

Alternatives Considered:

There was consideration toward the purchase of centrifugal blowers vs. the turbo blowers but the turbo blowers offer a means to control the air flow and corresponding D.O. levels as well as offering power savings that are not known and measurable at this time.

After the bids were received, some value engineering was conducted that reduced the total project cost by about 6%.

Technical Review Summary:

This project was presented to the CPRT for review on 6/20/2019 without comment and/or the need for revisions.

Utilities, Inc.

ADD-CHANGE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2018109
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	8/2/2108
Project Name:	Wekiva WWTF Imp Eng			
Company:	255	Sanlando Utilities Corp		
Business Unit:	255101	Sanlando Utilities Corp S		
Project Owner:	Patrick C. Flynn		**BU Type:**	SP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy 3
Start Date:	8/6/2018	Q3 2018	**Region:**	Florida 04
Estimated End Date:	6/30/2019	Q2 2019	**State:**	FL
Project Type:	EH&S Compliance			
Will project replace/retire any assets:	Yes			

Previously Requested:	$218,820
This Request:	**$60,000**
Still to be Requested:	$0
Total Project Budget:	**$278,820**

Description:

Evaluate the Wekiva WWTF for Class 1 reliability and functionality to provide a report with recommendations to FDEP as required under the terms of an existing Consent Order.

Based upon the evaluation report, provide design, engineering, permitting and CEI services for the Wekiva WWTF Class 1 reliability improvements that includes blower replacement and controls, tertiary filters, plant lift station and chemical feed system replacement.

Change Order - Includes the following components;
(1) Landscaping and entrance improvements - Design efforts from the Kimley Horn landscape architecture group.
(2) Additional demolition and site work - Identification of on site underground facilites that are no longer in service to be removed. Calling out plant roadway for milling and resurfacing. Adding four parking spaces.
(3) Storage building - Structural evaluation of the existing pole barn and design of a new building to take its place.
(4) WWTF Capacity increase - Assembling FDEP permit application to renew the facility's operating permit and rerate the treatment plant from 2.9 MGD up to 4.0 MGD.
(5) Sludge processing buuilding and revised site plan - Relocating and siting of the existing belt press and replacement of the overhead canopy in conjunction with a completely reconfigured site plan for the filters and blower building to improve hydraulics and eliminate grading conflicts thereby improving constructability.

Timeline Considerations:

The Wekiva WWTF is under an FDEP Consent Order. Engineering and permitting of these improvements must be complete within 90 days of FDEP's approval of a previously submitted evaluation report.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project numbe	NA	(If applicable)

Utilities, Inc.

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Under the terms of an existing FDEP Consent Order, the Utility was required to perform an evaluation of the Wekiva WWTF to determine Class 1 reliability and to identify any other improvements that would improve operating efficiencies. The evaluation phase has been completed and a report of the findings with recommendations has been submitted to FDEP for review and approval, which such approval has yet to be received. After FDEP approval, the engineer will have 90 days to submit a construction application to the Department. Although manageable, the additional time taken in the approval process allows for an opportunity to better plan for the improvements. The evaluation report identified the following improvements; 1) The need to replace the three existing 200HP blowers with new high speed turbo blowers and controls as the existing blowers have outlived their useful service life primarily due to the age of the equipment. Airflow will be automatically controlled through the addition of dissolved oxygen sensors. 2) The two existing traveling bridge sand filters have a combined capacity of 2.88MGD. With one filter off line there is not enough capacity to treat 75% of the 2.9MGD permitted flow and the footprint of the filters do not allow for a retrofit. Therefore two new disc filters will be designed to meet Class 1 reliability and the existing sand filters will be demolished. This task may include the need for an additional lift station or the backwash water may be discharged back to the treatment plant. 3) The existing chemical feed equipment for sodium aluminate and sodium bisulfite have also reached the end of their useful service life and require replacement. The equipment is used to treat the process flows for phosphorous and for dechlorination of the effluent at the surface water discharge. So reliability is critical to meet surface water discharge limits. The new equipment wil provide that reliability and will be integrated into the VT Scada system for monitoring.

Many factors are dependent upon the outcome of the engineering design that will have an impact to the overall cost of the entire improvements project. With that said, the estimated total project cost will be in the area of $2.853 MM dollars.

Risk Evaluation

The project will insure that the terms of the Consent Order are met, Class 1 reliability is achieved, provide the ability to routinely make reuse quality effluent and meet surface water discharge limits.

Alternatives Considered:

The alternatives as to equipment sizing, manufacturer and layout to provide a reliable, cost effective solution will be determined during the engineering and design work. A do nothing approach is not feasible as the terms of the Consent Order would not be met.

Technical Review Summary:

Project reviewed by CPRT on 8/2/2018 with no revisions required.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
10128	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	12/31/2018	1,682.68	
14132	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	100.00	
14133	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	364.00	
14129	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	200.00	
14130	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	86.56	
14131	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	86.56	
14136	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	100.00	
14135	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	182.00	
14137	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	64.92	
16166	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/28/2019	100.00	
19091	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/15/2019	43.28	
21478	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2019	43.28	
21479	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2019	182.00	
25995	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2019	67.77	
25500	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2019	374.00	
25996	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2019	135.54	
27812	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	200.00	
27814	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	45.18	
27815	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	67.77	
27813	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	200.00	
27816	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	374.00	
34802	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	187.00	
53035	WEKIVA WWTF IMP ENG	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	102.00	4,988.54
10136	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2018	255,244.00	
16164	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	02/13/2019	2,512.00	
25994	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	05/08/2019	3,250.00	
30661	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	07/18/2019	5,250.00	
39843	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	09/30/2019	7,376.00	
47924	WEKIVA WWTF IMP ENG	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2019	5,188.00	278,820.00
10127	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	12/31/2018	5,930.30	
14134	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	01/31/2019	1,942.28	
16165	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	02/28/2019	1,961.94	
19092	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	03/31/2019	1,962.26	
21477	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	04/30/2019	1,963.96	
25501	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	05/31/2019	1,992.76	
27817	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2019	1,999.43	
30660	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2019	2,038.94	
34801	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2019	2,040.35	
39842	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2019	2,040.35	
41752	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2019	2,095.85	
45103	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2019	2,095.85	
47925	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	12/31/2019	2,134.89	
49252	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	01/31/2020	2,134.89	
51001	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	02/29/2020	2,134.89	
53325	WEKIVA WWTF IMP ENG	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	03/31/2020	2,134.89	36,603.83
							320,412.37

CONSTRUCTION SCHEDULE - WEKIVA RELIABILITY IMPROVEMENTS
AS OF MAY 8, 2020

		Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
	GENERAL																		
1	Mobilization / General Conditions																		
2	Permit			15					29										
3	Project Closeout / Record Drawings																		1----30
4	Public Works Meeting		1----15																
	SITE WORK																		
5	Landscaping, Fence, Signs								1					30			Plants	30	
6	Sitework							15									Restoration		30
7	Asphalt Paving & Resurfacing																	1	30
8	Concrete Drives & Sidewalks											1						30	
	DEMOLITION																		
9	Demolition								Demo Phase I	30				Demo Phase II					Demo Exist Filter
10	Demo Existing Blowers																		1----30
11	Demo Existing Pole Barn										1----30								
	BLOWER FACILITIES																		
12	Building		Submittals						Approval			Delivery/Insta			30				
13	Blowers		Submittals			Approval	Production						Delivery	Install	30				
14	Blower Piping & Concrete Pads		Submittals		Approval								Delivery	Install			30		
	SOLIDS HANDLING & DISINFECT BLDG																		
15	Building		Submittals						Approval			Delivery		Install	30				
16	Relocate Belt Filter Press & Assoc Equip												Relocate		30				
17	Drain System											Install	30						
18	Sodium Hypochlorite Tanks & Piping		Submittals		Approvall								Delivery	Install		30			
19	Sodium Hypochlorite Triplex Pmp Skid		Submittals		Approval								Delivery			Install	30		
	ALUM TANK																		
20	Alum Tank & Pump Skid		Submittals		Approval							Delivery	Install	30					
	STORAGE & DECHLORINATION BLDG																		
21	Building		Submittals						Approval		Delivery	Install	30						
22	Relocate Sodium Bisulfite Tank										Relocate				30				
23	Sodium Bisulfite Duplex Pump Skid		Submittals		Approval						Delivery			Install	30				
	TERTIARY FILTERS																		
24	Tertiary Filters		Submittals			Approval								Filter Slab	Del / Install	30			
25	Pipe, Valves & Fittings		Submittals		Approval					Delivery	Install							30	
26	Walkways, Stairs & Handrail		Submittals			Approval								Delivery	Install		30		
	ELECTRICAL																		
27	Electrical		Submittals			Approval			Install										15
28	Instrumentation & Controls		Submittals			Approval					Delivery								15

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 18th day of July, 2019, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Florida Environmental Construction Inc., doing business as a Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Wekiva WWTF Improvements

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 501 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of Five million nine hundred eighty thousand eight hundred twenty-one dollars & 00/100's Dollars ($5,980,821.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

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

G. Retainage

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

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

CONTRACTOR:

Florida Environmental Construction, Inc.
Name of Firm

By (Signature)

(SEAL)

Robert Lightsey, President
Printed Name and Title

ATTEST:

By (Signature)

KAREN LIGHTSEY - VICE PRESIDENT
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner

By (Signature)

(SEAL)

Bryan K. Gongre, Regional Manager
Printed Name and Title

ATTEST:

By (Signature)

Patrick C. Flynn, Vice President of Operations
Printed Name and Title

END OF SECTION

PROPOSAL

March 17, 2020

To: Steve Romano, P.E.
Kimley-Horn & Associates, Inc.
189 S Orange Ave. Suite 1000
Orlando, FL 32801

Re: 20" Potable Water Line Relocation – Wekiva Reliability Improvements

Florida Environmental Construction, Inc. will provide all parts, labor and equipment to do the following:

- Core existing manhole and new C-box. Install approximately 120 ft. of 8" sewer line from existing manhole to new C-box.
- Furnish and install new 24" SDR II HDPE pipe and 24" SDR II 90 bend with all necessary adapters and fittings under new solids handling building as per drawing furnished by Kimley-Horn.

Labor includes: Excavation, fill, testing, demo of existing 20" water line and existing sewer line.

Total Material	$ 52,582.00
Total Labor	$ 49,394.00
Grand Total	**$ 101,976.00**

Proposal valid for 30 days from above date.

Submitted by: *Robert Lightsey*
Florida Environmental Const., Inc.
Date: 3/17/20

Accepted by: [signature]
Date: 3/18/2020

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.
PO BOX 305
HOWEY IN THE HILLS, FL 34737
PH: (352) 241-4756; FAX: (352) 241-9716

Kimley»Horn

March 6, 2018

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

Re: Wekiva Noise and Odor Evaluation
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the evaluating the noise and odor complaints associated with the Wekiva Hunt Club WTP/WRF.

Project Understanding

The Wekiva Hunt Club Water Treatment and Water Reclamation Facility (WRF) is in the Sanlando service area located in western Seminole County. Both facilities are co-located on a 40-acre parcel that is bounded on the north and east by Sweetwater Creek. There is a significant buffer area but the site is surrounded by residential development. While the facility has been in operations since the early 1980's there has recently been a few noise and odor complaints by residents living to the north of the facility. This scope is intended to provide a greater understanding of the odor and noise generation levels per component to better identify the severity of the problem at the property boundary.

Scope of Services

Odor Analysis – There are several potential odor generators at the site including the cascade aerators on the water tanks, the wastewater headworks, the sludge digesters, and the belt filter press for biosolids drying. The majority of odor complaints are typically associated with high levels of hydrogen sulfide. Measuring the level of hydrogen sulfide in the air at the potential source and at the closest property boundary line will provide the data necessary to determine the degree of dispersion and diffusion in the atmosphere. Two odor logging units will be used to measure the hydrogen sulfide levels. These units will be placed in the residential neighborhood north of the facility and at the WTP. The units will continuously log the data at each location. This data will be correlated to the facility operations through the SCADA system and the local weather. This will be analyzed to determine the odor generation levels and the concentrations that are leaving the site. This task will be completed for $5,500.

Noise Analysis – Each facility necessarily runs continuously but there are several components that may cause more noise than others. A decibel meter with a 3-day continuous recording function will be co-located with the odor logging equipment. This data will be correlated to the SCADA operations data to determine the processes that are active during the highest decibel readings. This task will be completed for $3,880.

Reporting - This data will be compiled in a report to evaluate the cause and severity of the odor and noise generated which migrates off site. Based on the levels discovered in the analysis, options will be presented to mitigate the noise and/or the odors. This analysis will include preliminary site planning

Kimley»Horn

and preliminary opinions of construction costs to allow the Utility to properly plan for the improvements. This task will be completed for $20,000.

Deliverables

The final deliverable will be a digital and hard copy of a facility evaluation.

Schedule

The noise and odor data collection phase will take 60 days to complete. A draft of the analysis will be completed in another 60 days with a final draft completed 30 days later. This yields a total project time of 150 days from a notice to proceed.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $29,380.

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.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bruce N. Donga, Reg. Mgr.

Date: 3/14/2018

Kimley»Horn

March 25, 2018

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

Re: Wekiva WRF Facility Evaluation
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the evaluating the Wekiva Hunt Club WRF in accordance with the Consent Order (OGC File No. 18-0103) related to the facility violations due to Hurricane Irma.

Project Understanding

The Wekiva Water Reclamation Facility (WRF) is in the Sanlando service area located in western Seminole County. The facility consists of three 1 MGD package plants, a tertiary filtration system, and a high-level disinfection system. The effluent is disposed of primarily through the distribution of reclaimed water, however there is also an on-site rapid infiltration basin, and a surface water discharge. In September 2017, the facility experienced approximately a week of intermittent overflows at the facility due to Hurricane Irma. Additionally, the RIBs were overloaded and the surface water discharge exceeded its Phosphorus limit. The FDEP has issued a consent order on March 7th to the Utility generally stipulating that the facility must be evaluated to better protect against the eventuality of another similar sized storm. More specifically, the following schedule must be met:

1. An Engineer must be retained within 30 days to evaluate the facility.
2. Submit a report on the findings to FDEP within 90 days.
3. Apply for a permit for the improvements required by the evaluation within 90 days of FDEP approval of the report.
4. The improvements must be substantially complete within 365 days of the approval of the permit.

Scope of Services

This scope is intended to satisfy the first two of the requirements listed above. The evaluation of the facility will be prepared based on several factors. First the facility will be compared against Class I Reliability criteria. Second the facility will be evaluated that the existing components are still capable of meeting the design needs. Third, necessary improvements will be prioritized according to the level of impact the improvement will have during emergency events.

This analysis will provide an evaluation of the existing components in the facility. This evaluation will include a comparison of the site as-is as compared to the Class I Reliability for redundancy. These investigative services shall include multiple visits to the existing facility to get a better understanding of the normal operating parameters for the facility as compared to the design conditions. The existing package plants are currently being rehabilitated, and likely contributed to the sanitary sewage

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overflows. Preliminarily, the tertiary filters will be evaluated for their ability to meet Class I Reliability. Additionally, the facility will be reviewed for other deficiencies or infrastructure which limits the capacity of the facility during peak events.

The improvements identified in the analysis will then be investigated to determine the most effective solution. Each improvement will be evaluated for its technical feasibility, its impact on the capacity of the facility, its impact on the facility operations, and the overall cost of the improvement. The selected improvements will be tabulated with estimated costs and a schedule for their design and construction.

Deliverables

The final deliverable will be a digital and hard copy of a facility evaluation. Once approved by the utility staff the report will be submitted to FDEP for review. Any comments or revisions required by FDEP will be completed and resubmitted as soon as possible to keep the overall project moving forward.

Schedule

The draft report will be submitted to you for review by May 15th. The final report will be submitted to FDEP no later than June 4th in compliance with the 90 day timeline presented in the Consent Order.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $27,500.

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

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bryan L. Bonner, Reg. Mgr.

Date: 3/26/2018

Kimley»Horn

July 12, 2018

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

Re: Wekiva WRF Reliability Improvements
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the design of the improvements to the Wekiva Hunt Club WRF.

Project Understanding

The Wekiva hunt Club WRF was recently evaluated to increase the treatment reliability to protect against extreme flow events. These improvements were described in a report submitted to FDEP in June and included the following improvements:

1. Blower replacement and control upgrades
2. Tertiary Filter capacity increase
3. Plant lift station improvements
4. Chemical system improvements

Scope of Services

This scope is intended to describe the general methodology associated with the development of the plans and specification documents to complete this project.

Task 1 – Blower Replacement. The existing centrifugal blowers are located in the operations building. Rather than replace the blowers in the same location, which would require difficult bypassing and likely facility shutdowns, the new blowers will be placed in a new building to be located between the operations building and the belt filter press. There is currently an out of use solids filter bed in this area which will be demolished. A new blower building will be constructed to house the proposed high efficiency turbo-blowers. This design will include a new main air header which feeds the three treatment trains. This task is proposed to be completed for $33,120 including $12,500 in subconsultant fees.

Task 2 – Filter Addition. The existing filters have a total capacity of 2.9 MGD and do not meet Class I Reliability. The existing traveling bridge sand filters cannot be modified to increase their capacity. New tertiary disc filters will be designed to fit hydraulically between the biological treatment trains and the chlorine contact chambers. Two disc filters will be designed

with a total capacity of 3.5 MGD average day capacity. The new disc filters will backwash either to a new plant lift station or directly back to the headworks. The removal of the traveling bridge filter backwash flows may be enough to reduce the flows to the existing lift station to eliminate the need for an additional lift station. These overall flows will be evaluated in this task and the associated design will be completed. Additionally, a fourth surge pump will be added as part of this task. This task is proposed to be completed for $73,480 including $20,000 in subconsultant fees.

Task 3 – Chemical System. Two portions of the chemical systems will be updated or replaced. The aluminum sulfate (alum) system will be completely replaced. A new skid mounted chemical pumping system will be designed with a weatherproof enclosure. The sodium bisulfate system is used to dechlorinate any effluent that is discharged into Sweetwater creek. This system will be refurbished and relocated into a new enclosure. Both chemical systems will be integrated into the facility SCADA system for increased control and alarm notifications. This task is proposed to be completed for $15,480 including $2,500 in subconsultant fees.

Task 4 – Permitting. Permits will be required through the FDEP and Seminole County. The FDEP will require a major modification permit for these improvements. It is also recommended to request an increase in capacity to 3.5 MGD based on the recently constructed equalization tank. Additionally, a site plan permit will be required from Seminole County. This task is proposed to be completed for $15,120 plus a permitting fee allowance of $10,000 to be paid at direct cost without mark-up.

Task 5 – Construction Services. This project is preliminarily estimated at 2.5-3 million dollars and must be completed within a year. This will require substantial effort and coordination. We are proposing construction administration services including bidding, shop drawing review, and record drawings preparation. Additionally, we are proposing part time construction services which will include monthly progress review and attendance at a monthly meeting. This task is proposed to be completed for $43,760 including $15,000 in subconsultant fees.

Deliverables

The final deliverable will be a digital and hard copy set of plans and specifications to be used in design. Review sets will be provided at the conceptual stage, 80% complete, and final design. Kimley-Horn will provide plans and specifications for bidding purposes to the contractors and will provide construction sets to the selected contractor. At the end of the project, record drawings will be prepared and submitted digitally and in hard copy.

Schedule

We will provide our services as expeditiously as practicable with the goal completing the design and applying for the FDEP permit within 90 days of authorization.

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Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $191,320 including a $10,000 allowance for permitting fees to be paid at the actual cost without markup.

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.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Date: 8/2/18

Kimley»Horn

November 15, 2018

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

Re: Wekiva Reliability Improvements Change Order

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to improvements necessary to construct additional infrastructure at the Wekiva WRF.

Project Understanding

The original scope of services included a new blower building, new tertiary filters, new chemical systems, and a new plant lift station. Since the original design, several additional tasks have been requested to complete the project. These include, landscaping and entrance improvements, additional demolition, removal and site design of a replacement storage building, and an additional increase in capacity to 4.0 MGD which entailed reconfiguring the headworks. Additionally, due to some of these changes, significant site layout modifications were made which changed the site plan and added the sludge dewatering building including the relocation of the belt filter press to the overall scope.

Scope of Services

Landscaping and Entrance Improvements – Several options were designed to provide new landscaping, fencing, and entrance signage to the facility. These options were reviewed with staff and direction provided to complete the desired design. This design effort completed by our landscape architecture group is $10,000.

Additional Demolition and Site Work – This work entailed the general cleanup of some of the old piping on site as well as setting up the site for milling and resurfacing the internal roadways. Additionally, four additional parking spaces were added to the project. This work was completed for $5,000.

Storage Facility – The rear storage building is planned to be demolished and replaced with a smaller building. The existing building was evaluated by our structural forensic engineer and the site will be laid out for the new building. While this work will largely be designed by the building manufacturer, the site work and construction coordination work is still necessary. This work will be completed for $10,000.

Capacity Increase Modifications – When the Shadow Hills flows were diverted to Wekiva, the flows jumped up over 3.5 MGD and sustained there for a significant period of time. The original plan for this facility's capacity was an increase to 3.5 MGD, which had already pushed the hydraulics of the influent structure as far as it could go. A new influent piping design was necessary to provide more reliability during wet season at the headworks structure. Additionally, the permitting documentation to support an increase to a capacity of 4.0 MGD had to be verified and revised. These modifications were completed for $10,000.

Sludge Processing Building – During the review process, it was determined that it would be beneficial to operations and construction to relocate the belt filter press north to be roadside. This allowed the filters to be able to be relocated to make construction phasing significantly easier. This change added an additional building to the site and reconfigured the piping for the blower building, the filters and some of the chemical systems. It allows the grades to be modified and provides easier access and better hydraulics through the site. This significantly changes the site plan and required much of the onsite work to be redone. This work will be completed for an additional $25,000.

Additional Services

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

Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives. The Client shall provide all information necessary for the completion of this project that is available.

Fee and Expenses

Kimley-Horn will perform the services described for the total lump sum fee of $65,000. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

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

Closure

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

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

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

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

Kimley»Horn

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

By: Steve Romano, PE
Sr. Project Manager

Authorized by:
Title: Sr. V.P.

UTILITIES, INC. OF FLORIDA

Bryan Gongre, Regional Manager

Attachment – Standard Provisions

Wekiva Hunt Club

Water Reclamation Facility

Reliability Study

UTILITIES, INC. OF FLORIDA

JUNE 2018

Prepared By:

Kimley»Horn

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INTRODUCTION

Kimley-Horn has been retained by Utilities Inc. of Florida to evaluate the Wekiva Hunt Club Water Reclamation Facility (WRF or facility) due to a Consent Order issued by the Florida Department of Environmental Protection (FDEP) on March 7, 2018. The Consent Order was issued due to intermittent overflows that occurred at the Wekiva WRF following the passage of Hurricane Irma through Seminole County in September 2017. FDEP has stipulated that the facility must be evaluated to better protect against the eventuality of another similarly impactful storm. The entire Consent Order is provided in Appendix A. Below are excerpts from the Consent Order stating specific violations that occurred and corrective actions to be taken, which directly relate to the deficiency analysis represented by this report.

4. The Department finds that the following violations occurred:

   a. From September 11, 2017 through September 28, 2017, the facility's surge tank overflowed daily, releasing an estimated 25,000 gallons of raw sewage to the ground surface in violation of 403.161, Florida Statues (F.S.) and 62-604.130, Florida Administrative Code (F.A.C.) The overflows were caused by high flows related to Hurricane Irma and reduced treatment capacity due to one train being off-line for rehabilitation during Hurricane season, resulting in 33% less capacity. The Respondent estimated overflow volume to be 25,000 gallons, a portion of which was found to have left the Facility property to the east.

   c. Reviews of Discharge Monitoring Reports (DMRs) for July, August, September, and October 2017 noted exceedances of the D-001 permit limit of 40 pounds per month (lb/mo) for Total Phosphorus of 42.3, 48.6, 99.3, and 98.4 lb/mo, respectively. This is a violation of 62-4.030, F.A.C. and 62-304.506(2)(a), F.A.C.

The consent order has ordered the facility to complete the following:

7. Within 30 days of the effective date of this Order, Respondent shall retain the services of a professional engineer, registered in the State of Florida, to accomplish the following:

   a. Evaluate the Facility and effluent disposal system, then submit a report to the Department within 90 days that includes recommendations that address deficiencies in the Facility's design or operating protocol that contribute to unsatisfactory performance and outcomes.

   b. Initiate the design of modifications to the Facility and/or effluent disposal system following the Department's acceptance and approval of the recommendations contained in the report referenced above. The modifications will be designed to ensure the Facility and effluent disposal system will fully and consistently perform to meet the conditions and requirement contained in the Facility's operating permit and all applicable rules of the Department.

This report addresses item 7a listed above. The evaluation of the facility has been prepared based on several factors. First, since the facility produces public access reuse, the facility will be compared against Class I Reliability criteria to ensure there is satisfactory reliability built into the facility's processes. Second, the facility's components will be evaluated to determine if they are still capable of meeting the design specifications and parameters. Third, necessary improvements will be prioritized according to the level of impact the improvements will have during emergency events. Facility deficiencies that are identified will be reviewed to determine what upgrades are necessary to prevent future overflows and treatment issues.

WEKIVA WRF INFLUENT PLANT FLOWS

The Wekiva WRF is located within the Utilities Inc. of Florida's Sanlando service area in western Seminole County. The facility is permitted at 2.9 MGD and consists of three 1.00 MGD circular package plants, a tertiary filtration system, and a high-level disinfection system. The primary effluent disposal option is through the distribution of reclaimed water. Alternative effluent disposal options include the use of on-site rapid infiltration basins (RIBs), and a surface water discharge.

Raw influent flows for the year of 2017 are tabulated below. These flows were read from the facility's influent meter. Higher flows during the summer months are expected; however, the increase in flows during September and October are a result of extreme wet weather, primarily caused by Hurricane Irma, which hit Central Florida on September 10th and 11th.

Table 1. Plant Influent Flows

Month	Influent Flow (mgd)	Rainfall (in)[1]
January 2016	2.373	6.32
February 2016	2.433	1.47
March 2016	2.305	2.90
April 2016	2.274	1.72
May 2016	2.422	4.76
June 2016	2.605	7.75
July 2016	2.439	3.34
August 2016	2.490	6.05
September 2016	2.859	6.34
October 2016	3.295	7.31
November 2016	2.554	0.21
December 2016	2.256	0.68
January 2017	2.368	2.21
February 2017	2.343	1.89
March 2017	2.369	0.39
April 2017	2.326	1.17
May 2017	2.320	4.18
June 2017	2.507	9.40
July 2017	2.589	9.65
August 2017	2.850	6.61
September 2017	3.635	14.55
October 2017	3.083	4.02
November 2017	2.528	0.47
December 2017	2.491	0.48

[1] Rainfall data has been obtained from: https://www.sjrwmd.com/data/hydrologic/#precipitation

Typically, the facility's average daily flow varies between 75 percent (dry months) and 90 percent (wet months) of permitted capacity. During the month of September 2017, average flows were at 121 percent of the facility's permitted capacity, a significant increase. A breakdown of influent flows during the months of September and October 2017 are provided in Table 2. As shown in the table, flows more than doubled during Hurricane Irma and maintained high levels throughout the latter half of September.

Table 2. Daily Influent Flows

Date	Influent Average Flows (mgd)	Influent Peak Flows (mgd)	Peaking Factor	Date	Influent Average Flows (mgd)	Influent Peak Flows (mgd)	Peaking Factor
September 2017				**October 2017**			
1	2.860	5.750	2.01	**1**	3.400	6.279	1.85
2	2.380	6.024	2.53	**2**	3.560	6.160	1.73
3	2.660	5.787	2.18	**3**	3.290	6.411	1.95
4	2.920	6.167	2.11	**4**	3.510	6.240	1.78
5	2.870	6.102	2.13	**5**	3.370	6.185	1.84
6	3.180	6.091	1.92	**6**	3.560	6.247	1.75
7	2.760	5.909	2.14	**7**	3.050	6.516	2.14
8	3.160	5.921	1.87	**8**	3.230	6.500	2.01
9	2.850	6.775	2.38	**9**	3.450	6.179	1.79
10	3.380	7.224	2.14	**10**	3.200	6.062	1.89
11*	5.730	-	-	**11**	3.070	6.173	2.01
12*	2.610	-	-	**12**	3.080	6.276	2.04
13*	4.280	-	-	**13**	2.830	6.045	2.14
14*	3.990	-	-	**14**	3.130	6.059	1.94
15*	4.440	-	-	**15**	3.000	6.523	2.17
16	5.410	6.679	1.23	**16**	3.250	6.411	1.97
17	4.360	7.118	1.63	**17**	3.360	6.384	1.90
18	4.640	6.644	1.43	**18**	2.970	6.287	2.12
19	4.180	6.297	1.51	**19**	3.190	6.178	1.94
20	3.960	6.380	1.61	**20**	2.940	6.389	2.17
21	3.920	6.114	1.56	**21**	2.820	6.361	2.26
22	3.200	6.385	2.00	**22**	2.910	6.295	2.16
23	3.790	6.537	1.72	**23**	2.950	6.466	2.19
24	3.850	6.506	1.69	**24**	3.360	5.971	1.78
25	3.940	6.725	1.71	**25**	2.720	6.078	2.23
26	3.840	6.572	1.71	**26**	2.820	6.035	2.14
27	3.650	6.419	1.76	**27**	2.760	6.176	2.24
28	3.900	6.560	1.68	**28**	2.570	6.140	2.39
29	3.020	6.406	2.12	**29**	2.680	6.312	2.36
30	3.330	-		**30**	2.890		
Average	3.355	6.310					

*The plant's SCADA system was offline between September 11th and 15th due to Hurricane Irma. Flows have been estimated.

As previously stated, reduced treatment capacity, due to one train being off-line for rehabilitation, resulted in 33% less treatment capacity available. With treatment capacity being reduced to 2 MGD average daily flow (ADF), equating to 6 MGD peak hourly flow (PHF), the facility was overwhelmed. Following Hurricane Irma, maximum daily flows reached 5.73 MGD and average flows during that week were around 4.30 MGD. Peak hourly flows were regularly over 6 MGD and went over 7 MGD at least once during the month, overloading a temporarily undersized facility. Typically, the three treatment trains can handle peak flows of up to 9 MGD and would have been able to treat the peak flows experienced at the facility within permit limits.

EPA CLASS 1 RELIABILITY REQUIREMENTS

The United States Environmental Protection Agency (EPA) document "Design Criteria for Mechanical, Electrical, and Fluid System and Component Reliability" was reviewed to determine the Design of Reliability Class 1 for wastewater treatment systems. This document specifically states that Class 1 Reliability is required for "works which discharge into navigable waters that could be permanently or acceptably damaged by effluent which was degraded in quality for only a few hours". Additionally, as a facility producing public access reuse as a primary means of disposal, 62-610.300(1)(c), F.A.C. states the facility shall have at a minimum Class I Reliability.

Table 3 outlines the Class 1 Reliability requirements and the existing Wekiva WRF components. This general overview provides the starting point for determining any necessary upgrades to the facility. A thorough discussion of these items is presented later in this document.

Table 3. EPA Class 1 Reliability Requirements

Component	Class 1 Requirement	Wekiva WRF	Upgrades Needed
Influent Screening	Back up bar screen required	Secondary channel with manual bar screen	None
Aeration Basins	Back up basin not required; however, at least two equal volume basins shall be required	3 – 1.0 MGD aeration basins	None
Clarifiers	With largest unit offline, remaining shall be capable of handling 75% of permitted flow	3 – 1.5 MGD clarifiers	None
Blowers	Sufficient number of blowers to maintain designed oxygen transfer rate with largest unit out of service. Minimum two blowers	3 – 200 HP blowers	Replacement blowers recommended, due to age
Filtration	With largest unit offline, remaining shall be capable of handling 75% of permitted flow	2 – 1.44 MGD filters	Additional Filter Required
Disinfection	Duplicate tank required for maintenance	2 – 6,000 gallon CCCs	None

COMPONENT EVALUATION

PRELIMINARY TREATMENT

Recently constructed in 2014, preliminary treatment at the Wekiva WRF consists of one 7.20 MGD mechanical bar screen and one 860,000-gallon Equalization Basin. Flow from off-site lift stations pump directly to the headworks structure. The headworks consists of two channels; a primary channel with mechanical bar screen, and a backup channel with a manual bar screen. During peak times, flows are routed from the headworks structure into the Equalization Basin where flow surges are equalized before entering the biological treatment process. Equalization basins are typically sized to handle approximately 20 percent of the permitted WWTP capacity. For a 2.9 mgd facility with a peak hour factor of a 2.4, a 600,000 gpd equalization basin would be sufficient. The 860,000-gallon equalization tank is designed with an operational volume of 660,000 gallons, exceeding the minimum requirement by 10%. Evaluation of these components show that there are no capacity issues, they both meet Class 1 Reliability, and are in good working condition. Three equalization pumps are currently installed meeting the average day capacity of the facility. A fourth pump is recommended to be installed as a backup pump.

TREATMENT PLANTS

The facility has three wastewater treatment plants of nearly identical size and configuration (1, 2, and 3). Plants 1 and 3 are both ringed steel structures while plant 2 is concrete. All three plants are rated for 1.0 MGD each and contain aeration, clarification, and digestion. Each plant has an external and internal ring. The area between the exterior and internal ring is utilized for aeration and digestion. The internal ring is a circular clarifier. The facility is operated as a conventional treatment plant. This mode of operation has allowed the facility to meet permit requirements for carbonaceous biological oxygen demand (CBOD), 20 mg/L annual average and total suspended solids (TSS), 20 mg/L annual average.

All three wastewater treatment plants were rehabilitated recently; with Plant No. 1 completed in May 2018. The planned rehabilitation included degritting of each plant, replacement of air diffusers and drops, replacement and rehabilitation of worn mechanisms and steel structures, rehabilitation of clarifier components, and replacement of electrical equipment. Rehabilitation began in 2016 with Plant 3, but the project was temporarily halted due to the impact of Hurricane Matthew. Plant 3 was returned to service in June 2017. In August 2017, Plant 2 was taken off line for its rehabilitation, then returned to service in November. Plant 1 was taken off line in January 2018 and returned to service in May. Hurricane Irma hit the facility during a period when Wekiva was only running at 2/3 capacity and impacts were seen at a catastrophic level. Based on the profile of the flows received by the facility, it is firmly believed that if all three plants were operational the facility would have remained in compliance with its secondary treatment limits.

BLOWERS

The Wekiva WRF has three existing 200 horsepower blowers, located in a room within the operations building. Upon inspection, it was noted that the blowers are inefficient, past the end of their expected service life and in need of replacement. Due in part to wear and inefficiency in the blowers, a new air system including new high efficiency blowers and controls, is recommended. This air system will provide a more efficient transfer of air into the treatment plants. Since the treatment plants are all fed from one air header, controls will be placed at each treatment plant to control the distribution of the forced air. Dissolved oxygen sensors will be placed at each treatment plant to help control the air flow rate. The proposed high-speed turbo blowers are provided with variable frequency drives which allow for the flow

rate from the blowers to adjust based on plant process conditions and input from the dissolved oxygen sensors. The proposed system will be designed to provide the desired air flow into the treatment plants efficiently while providing a greater ability to consistently produce high quality effluent.

TERTIARY FILTRATION

The facility maintains two gravisand traveling bridge sand filters which provide the required tertiary filtration for public access reuse. The filters need to treat total suspended solids to less than 5 mg/L to meet the reclaimed water permitted standards. Each filter bed is 12.33' wide by 40' long and are loaded at two gallons per minute per square foot (gpm/sf). This equates to a treatment capacity of 1.44 MGD AADF each. With a peaking factor of 2.5, the filters can handle up to five gpm/sf for short durations. This does not meet Class 1 Reliability, as the requirement reads: "with largest unit offline, the remaining unit(s) shall be capable of handling 75% of permitted flow". With one unit offline currently, the facility only has the capability to handle 50% of permitted flow. An increase in filtration capacity of approximately 1.5 MGD is recommended to satisfy the Class 1 Reliability requirements. This will provide the facility with 100% redundancy at the current capacity of 2.9 mgd.

DISINFECTION

The chlorine contact chamber (CCC) treats 100% of the WWTF flow. The CCC has two equal sized basins divided by a common wall. Both chlorine contact basins contain baffle walls that provide a serpentine flow pattern that maximizes contact time and thus optimizes the disinfection process. Each basin contains five (5) 50.5 feet long, 4 feet wide, and 4 feet deep channels. The common collection chamber is for both treatment basins. A 90-degree V-notch weir, in conjunction with an ultrasonic flow meter, controls the chlorine injection rate based on real time flow rates. The CCC can handle a peak hourly flow of twice the average daily flow or 5.8 MGD for fifteen minutes. Each basin can handle 50% of the peak hourly flow or 2.8 MGD for fifteen minutes. The basins are in good working condition and meet Class 1 Reliability.

PLANT LIFT STATION

The existing plant lift station, L-1, is located at the entrance to the facility near the operations building. Sanitary flows from the operations building, along with drain water from the belt filter press and backwash water from the filters, are collected in the lift station and pumped back to the head of the plant. Flows to the existing plant lift station are approximately 500 gpm. Operations staff have indicated that station L-1 is undersized and has difficulty handling the current flows. With the addition of a third filter, additional backwash flows will need to be handled, and the existing lift station simply doesn't have the capacity for it.

A second plant lift station is recommended for the WRF to handle current and future filter backwash flows. A future filter will add approximately 215 gpm from backwash flows. Due to the lack of capacity at the existing lift station, the proposed lift station L-8 would be designed to handle all in plant flows, except the sanitary flows from the operations building. The condition of lift station L-1 will be evaluated and modified to maintain service to the operations building flows only; all other in plant flows would be diverted to the proposed pump station L-8. The proposed pump station will be located close to the existing filters, to maintain minimal head losses, and in close proximity to the headworks structure.

SOLIDS HANDLING

The facility's solids dewatering facility produces a 16% cake utilizing a 2.0-meter Ashbrook Klampress skid-mounted belt filter press. The system is capable of processing up to 200 gpm of sludge and has an

average solids loading rate of 1,200-1,500 lbs/hour. Installed in 2012, the system is in optimal working order and has sufficient capacity.

CHEMICAL FEED SYSTEMS

The existing sodium aluminate system, used for phosphorus removal on an as-needed basis, was installed outdoors with a small canopy to protect the equipment, but has been impacted by age and the elements. The electrical wiring, pumps, and piping system are at the end of their service life and now are in need of replacement, as shown in the photo above. In addition, the existing canopy is unstable, near the end of its useful life, and needs to be replaced.





The WRF has a surface water discharge to Sweetwater Creek, and per the facility's permit requirements, must feed sodium bisulfite to the effluent for dechlorination. The existing sodium bisulfite system is located in the storage building, directly next to the surface discharge location. This chemical feed system is showing signs of corrosion and age and should be replaced with a new, more reliable system which is integrated into the plant SCADA system. While this equipment is not used regularly, it is a crucial process element during surface water discharge periods. Additionally, the storage building that houses this chemical feed equipment requires a structural evaluation as the building is also showing signs of wear and age.

EFFLUENT DISPOSAL

The facility's primary disposal method is through public access reuse, permitted as land application R-002.

The reuse system is an existing 2.90 MGD annual average daily flow permitted capacity slow-rate public access reuse system. Reclaimed water is supplied locally to nearby users, or it can be transferred to the cities of Apopka and Altamonte Springs to supplement their own supply of reclaimed water. Reclaimed water is stored in two (2) on-site 3.0 MG reclaimed water storage tanks. Reject flow is diverted to the on-site rapid infiltration basins (RIBs), permitted as land application R-001.

An existing 0.4 MGD annual average daily flow permitted capacity rapid infiltration basin system is located at the Wekiva WRF. R-001 consists of four RIBs and is typically used during minor plant upsets. The RIBs have sufficient volume to handle reject flows; however, they are more suited to intermittent use. During large events that cause a sustained use the increased pond loading causes groundwater mounding which can subsequently cause daylighting to the south of the facility. During a plant upset, this 0.4 MGD capacity is not nearly enough to handle large sustained flows, as seen during Hurricane Irma. Increasing the disposal capacity of these ponds is infeasible; therefore, the goal for the facility is to

increase the reliability of the reclaimed water treatment process in order to minimize the time these ponds need to be used.

A third disposal option is surface water discharge D-001, which is an existing 0.87 MGD annual average daily flow discharge to Sweetwater Creek. The facility was originally permitted for full discharge to the creek. When the reclaimed system was constructed in 2002, the utility opted to keep this surface water discharge as an emergency backup method of disposal. This was intended to be used during periods of wet weather when the facility was in compliance with nutrient limits and reclaimed water demand was reduced. No changes to the discharge are proposed. Rather, increasing the reliability and automating portions of the treatment system to improve the effluent quality to the Creek during emergency situations in recommended. As addressed in the chemical system section, the alum and sodium bisulfite feed systems need to be better integrated into the facility's SCADA system to allow the facility to better control and monitor these systems. This will provide an increased level of control and reliability, which will improve the overall quality of the discharge to Sweetwater Creek when it is needed.

ELECTRICAL SYSTEMS

A majority of the electrical systems on site were replaced in 2016. No additional improvements are required to meet Class I Reliability requirements. Minor SCADA connectivity improvements are scheduled in coordination with the other proposed facility improvements. This will allow for increased monitoring and data tracking and thus improve the facility's operation, maintenance and monitoring activities.

RECOMMENDATIONS

As discussed throughout this document, the Wekiva WRF requires a handful of improvements and modifications to improve its performance following another severe storm event similar to Hurricane Irma. From upgrading the facility to meet Class 1 Reliability requirements to improving component efficiencies, the following modifications are recommended.

BLOWERS

The existing blowers should be replaced by high speed turbo blowers. The proposed process air system will be designed to provide the desired air flow to the treatment plants under all expected hydraulic and organic loading profiles and thus optimize the production of public access reclaimed water. Along with replacing aging infrastructure that has exceeded its design service life, this also will provide a more dynamic, real time control of the biological process to provide a more consistent effluent even in variable flow profiles. A breakdown of anticipated costs is tabulated below.

Table 4. Blower Costs

Item	Costs
General	$100,000
Demolition/Removal of Existing Blowers	$100,000
Site Piping	$50,000
Blowers	$850,000
Electrical and Instrumentation	$100,000

Contingency (10%)	$100,000
Subtotal	**$1,300,000**
Engineering (5%)	$65,000
Total	**$1,365,000**

FILTER ADDITION

A third filter is required to meet Class 1 Reliability. The proposed filter will be an outside to inside flow through disc filter, similar to those manufactured by Alfa Laval and Aqua Aerobics, and will be capable of handling 1.5 MGD AADF, satisfying the Class 1 Reliability requirements. A breakdown of anticipated costs is tabulated below.

Table 5. Filter Addition Costs

Item	Costs
General	$100,000
Site Piping	$50,000
Filter	$600,000
Electrical and Instrumentation	$50,000
Contingency (10%)	$50,000
Subtotal	**$850,000**
Engineering (10%)	$85,000
Total	**$935,000**

PLANT LIFT STATION

A second plant lift station is recommended for the WRF to handle current and future filter backwash flows and belt filter press filtrate. Total flows will equate to approximately 700 gpm. Due to the lack of pumping and wet well capacity at the existing lift station L-1, the proposed Lift Station L-8 would be designed to handle all in plant flows except the sanitary flows from the operations building. Costs for lift station L-8 are provided below.

Table 6. Plant Lift Station Costs

Item	Costs
General	$30,000
Site Piping	$75,000
Lift Station	$150,000
Electrical and Instrumentation	$40,000
Contingency (10%)	$25,000
Subtotal	**$320,000**
Engineering (10%)	$32,000
Total	**$352,000**

CHEMICAL FEED SYSTEMS

Both the sodium aluminate and sodium bisulfite chemical systems need to be replaced. The existing sodium aluminate feed system has been impacted by age and the elements. The existing chemical feed equipment and associated canopy will be replaced with a new chemical feed skid and shelter. Costs for the sodium aluminate system are shown below.

Table 7. Sodium Aluminate System Costs

Item	Costs
General	$10,000
Chemical Feed Skid	$35,000
Shelter for Chemical System	$25,000
Electrical and Instrumentation	$25,000
Contingency (10%)	$10,000
Subtotal	**$105,000**
Engineering (10%)	$10,000
Total	**$115,000**

The existing sodium bisulfite system is showing signs of corrosion and age. A new chemical feed skid will be installed in the existing storage building. Costs for the chemical system are shown below.

Table 8. Sodium Bisulfite System Costs

Item	Costs
General	$10,000
Chemical Feed Skid	$35,000
Electrical and Instrumentation	$25,000
Contingency (10%)	$7,000
Subtotal	**$77,000**
Engineering (10%)	$8,000
Total	**$85,000**

SUMMARY

This investigation of the Wekiva Hunt Club WRF was developed to produce an increased reliability at the facility to protect against extreme events. The facility, as currently constructed and operated, has proven to be able to consistently provide high quality reclaimed water since 2002. However, the extreme circumstance which occurred during Hurricane Irma showed the need to further harden the facility against future similar events. In summary, the following improvements are recommended:

Blower replacements:	$1.365M
Filter Addition:	$0.935M
Plant Lift Station:	$0.352M
Chemical System Improvements:	$0.200M
Total	**$2.852M**

The design of these improvements will commence upon the acceptance and approval of this report by the FDEP, as specified in the Consent Order. Design will be completed within 90 days of DEP approval with construction completed 12 months after the Department issues a construction permit. This schedule allows for all improvements to be operational by the end of 2019 provided the Department provides a timely turnaround of the construction permit application.

APPENDIX A – FDEP CONSENT ORDER

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

March 9, 2018

Patrick Flynn, Vice President
Utilities Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, Florida 32714-4027
PCFlynn@uiwater.com

Re: Wekiva Hunt Club WWTP
DW Facility ID #FL0036251
OGC Case #18-0103

Dear Mr. Flynn:

Enclosed is the executed Consent Order to resolve the above referenced case. This copy is for your records.

Should you have any questions or comments, please contact Daniel Hall at 407-897-4167 or via e-mail at Daniel.K.Hall@dep.state.fl.us.

Your cooperation in this matter will be appreciated.

Sincerely,

(on behalf of)

Jeff Prather
Director, Central District

Enclosure

cc: Lea Crandall, OGC, Lea.Crandall@dep.state.fl.us
Kris Tulloch, Central District, Kris.Tulloch@dep.state.fl.us
David Smicherko, Central District, David.Smicherko@dep.state.fl.us

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	)	IN THE OFFICE OF THE CENTRAL DISTRICT
v.	)	OGC FILE NO. 18-0103
UTILITIES, INC. OF FLORIDA	)	

CONSENT ORDER

This Consent Order ("Order") is entered into between the State of Florida Department of Environmental Protection ("Department") and Utilities, Inc. of Florida ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and Respondent admits the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes ("F.S."), and the rules promulgated and authorized in Title 62, Florida Administrative Code ("F.A.C."). The Department has jurisdiction over the matters addressed in this Order.

2. Respondent is a person within the meaning of Section 403.031(5), F.S.

3. Respondent is the owner and is responsible for the operation of the Wekiva Hunt Club wastewater treatment plant (WWTP) and collections system, a 2.9 million gallon per day (MGD) annual average daily flow (AADF) domestic WWTF facility with surface water discharge (D-001) and land application (R-001 and R-002) ("Facility"). The Facility is operated under Wastewater Permit No. FL0036251-22-DW1 ("Permit"), which was issued on March 29, 2016, became effective March 31, 2016, and will expire on March 30, 2021. The permit was modified for reporting requirements October 21, 2016 (FL0036251-23-DWF). The Facility is located at 144 Ledbury Drive, Longwood 32779-4609, in Seminole County, Florida ("Property"). Respondent owns the Property on which the Facility is located.

4. The Department finds that the following violations occurred:

a) From September 11, 2017 through September 28, 2017, the Facility's surge tank overflowed daily, releasing an estimated 25,000 gallons of raw sewage to the ground surface in violation of 403.161, Florida Statutes (F.S.) and 62-604.130, Florida Administrative Code (F.A.C.). The overflows were caused by high flows related to Hurricane Irma and reduced treatment capacity due to one train being off-line for rehabilitation during hurricane season, resulting in 33% less capacity. The Respondent estimated overflow volume to be 25,000 gallons, a portion of which was found to have left the Facility property to the east.

b) Respondent failed to notify the Department as required within 24 hours of discovering the surge tank overflows. The first overflow occurred on September 11, 2017 but the Department was not notified until a report was made to the State Watch Office (SWO 2017-7820) on September 17, 2017, in violation of 62-620.610(20), F.A.C.

c) Reviews of the Discharge Monitoring Reports (DMRs) for July, August, September, and October 2017 noted exceedances of the D-001 permit limit of 40 pounds per month (lb/mo) for Total Phosphorus of 42.3, 48.6, 99.3, and 98.4 lb/mo, respectively. This is a violation of 62-4.030, F.A.C. and 62-304.506(2)(a), F.A.C.

5. Having reached a resolution of the matter Respondent and the Department mutually agree and it is

ORDERED:

6. Respondent shall comply with the following corrective actions within the stated time periods:

a) The Respondent shall comply with all terms and conditions of its wastewater permit.

b) Within 90 days of execution of this order, Respondent shall complete the rehabilitation of the three treatment trains currently under way, preventing further exceedances of the Total Phosphorus limit at the D-001 discharge point. Respondent will cease loading the Rapid Infiltration Basins when the groundwater elevation at Groundwater Monitoring Well #3 exceeds the subject permit criteria.

c) Respondent initiated an extensive I&I Program several years ago that addressed sources of high flows during storm events; Phase I and Phase II of the I&I Program have already been completed. Respondent shall complete Phase III by December 31, 2018 and provide the Department a brief summary of locations and work completed. After completion of Phase III, Respondent will move to an "as needed" model for I&I work.

7. Within 30 days of the effective date of this Order, Respondent shall retain the services of a professional engineer, registered in the State of Florida, to accomplish the following:

a) Evaluate the Facility and effluent disposal system, then submit a report to the Department within 90 days that includes recommendations that address deficiencies in the Facility's design or operating protocol that contribute to unsatisfactory performance and outcomes.

b) Initiate the design of modifications to the Facility and/or effluent disposal system following the Department's acceptance and approval of the recommendations contained in the report referenced above. The modifications will be designed to ensure the Facility and effluent disposal system will fully and consistently perform to meet the conditions and requirement contained in the Facility's operating permit and all applicable rules of the Department.

c) Apply to the Department for a wastewater permit to construct the modifications listed in subparagraph (b) of this paragraph, if such a permit is required. The application will be due within 90 days of the Department's approval of the recommendations contained in the engineering report noted above. Respondent will substantially complete construction within 365 days of issuance of the construction permit by the Department.

d) If no permit is required, identify changes to the Facility's operating protocol and / or maintenance procedures that can be implemented within 90 days of Department's approval of such changes.

e) Supervise the construction of any modifications to the Facility or effluent disposal system. Failure to meet compliance schedules in the construction permit will constitute violation of this order and subject the Respondent to stipulated penalties.

f) Submit to the Department a Certification of Completion stating that modifications to the Facility, effluent disposal system and collection system have been constructed in accordance with the provisions of the Permit.

g) In the event the Department requires additional information to process the permit application described in subparagraph (c) of this paragraph, provide a written response containing the information requested by the Department within 30 days of the date of the request.

8. Every quarter after the effective date of this Order and continuing until all corrective actions have been completed, Respondent shall submit to the Department a written report containing information about the status and progress of projects being completed under this Order, information about compliance or noncompliance with the applicable requirements of this Order, including construction requirements and effluent limitations, and any reasons for noncompliance. These reports shall also include a projection of the work Respondent will perform pursuant to this Order until the Order is closed. Respondent shall submit the reports to the Department within 30 days of the end of each quarter.

9. Notwithstanding the time periods described in the paragraphs above, Respondent shall complete all corrective actions referenced in paragraphs 6, 7 and 8 on or before December 31, 2019 and be in full compliance with Chapter 62, F.A.C., regardless of any intervening events or alternative time frames imposed in this Order, other than those excused delays agreed to by the Department, as described in paragraph 18.

10. Within 30 days of the effective date of this Order, Respondent shall pay the Department $16,748.00 in settlement of the regulatory matters addressed in this Order. This amount includes $16,248.00 in civil penalties and $500.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order.

11. Respondent agrees to pay the Department stipulated penalties in the amount of $200.00 per day for each day Respondent fails to timely comply with any of the requirements of paragraphs 6, 7, and 8 of this Order. The Department may demand stipulated penalties at any time after violations occur. Respondent shall pay stipulated penalties owed within 30 days of the Department's issuance of written demand for payment, and shall do so as further described in paragraph 15 below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Order. Any stipulated penalties assessed under this paragraph shall be in addition to the civil penalties agreed to in paragraph 10 of this Order.

12. In lieu of making cash payment of $16,248 in civil penalties as set forth in paragraph 10 above, Respondent may elect to offset this amount by implementing an in-kind penalty project, which must be approved by the Department. An in-kind project must be either an environmental enhancement, environmental restoration or a capital/facility improvement project. The value of the in-kind penalty project shall be at least one and a half times the civil penalty offset amount, which is $24,372. If Respondent chooses to implement an in-kind project, Respondent shall notify the Department of its election by certified mail within 15 days of the effective date of this Consent Order. Notwithstanding the election to implement an in-kind project, payment of the remaining $500.00 in costs must be paid within 30 days of the effective date of the Consent Order.

13. If Respondent elects to implement an in-kind project as provided in paragraph 12, then Respondent shall comply with each of the requirements and time frames identified in Exhibit A, entitled "In-Kind Projects".

14. Respondent shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund."

15. Except as otherwise provided, all submittals and payments required by this Order shall be sent to Daniel Hall, Environmental Consultant**,** Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, FL 32803**.**

16. Respondent shall allow all authorized representatives of the Department access to the Facility and the Property at reasonable times to verify compliance with the terms of this Order and the rules and statutes administered by the Department.

17. In the event of a sale or conveyance of the Facility or of the Property upon which the Facility is located, if all of the requirements of this Order have not been fully satisfied, Respondent shall, at least 30 days prior to the sale or conveyance of the Facility or Property, (a) notify the Department of such sale or conveyance, (b) provide the name and address of the purchaser, operator, or person(s) in control of the Facility, and (c) provide a copy of this Order with all attachments to the purchaser, operator, or person(s) in control of the Facility. The sale or conveyance of the Facility or the Property does not relieve Respondent of the obligations imposed in this Order.

18. If any event, including administrative or judicial challenges by third parties unrelated to Respondent, occurs which causes delay or the reasonable likelihood of delay in complying with the requirements of this Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by Respondent's due diligence. Neither economic circumstances nor the failure of a contractor, subcontractor, materialman, or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines shall be considered circumstances beyond the control of Respondent (unless the cause of the contractor's late performance was also beyond the contractor's control). Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department by the next working day and shall, within seven calendar days notify the Department in writing of (a) the anticipated length and cause of the delay, (b) the measures taken or to be taken to prevent or minimize the delay, and (c) the timetable by which Respondent intends to implement these

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-23) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020182
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	9/17/2020
Project Name:	Wekiva WWTF Headworks Construction		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330325.15
Business Unit:	255101 **SANLANDO UTILITIES CORP S**	**CO #:**	255
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	11/18/2020 Q4 2020	**Region:**	Florida 04
Estimated End Date:	7/31/2021 Q3 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes	Project Type: *(Select one-->)*	EH&S Compliance 006
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**2,580,912**	**2,580,912**
Still to be Requested:			0
Total Project Budget:	**0**	**2,580,912**	**2,580,912**

Description:

Scope of work will include the construction of a new lined concrete dual headworks channels with two center flow mechanical bar screens installed. A third channel will be installed as a bypass to allow full flows to divert to the equalization tank in the event both screens fail. A new 30-inch connection to the equalization tank will be constructed. A fourth equalization pump will be installed as an emergency backup. The flow in the equalization tank will be pumped to a new concrete flow splitter box to balance the flows between the three treatment trains. Additionally, piping modifications are being made to allow the operational flexibility to bypass the equalization tank and/or the headworks to deliver flow directly to the splitter box.

Timeline Considerations:

Work will take approximately eight to nine months to complete. Construction needs to commence as soon as possible for two reasons. First, delays will push the completion date into the 2021 wet season which is undesirable because it presents greater risks to the system for potential delays or failure. Second, there is currently underway another project to construct a replacement force main into the facility. This force main is expected to be completed by the end of 2020 and the splitter box improvements need to be completed by then to prevent a change order related to temporary piping to bring the new force main online.

Inter-dependent Project	Project Number: 2020116	Project Name	Sanlando Powerline 16" FM/WM	(If applicable)
Have engineering evaluations been performed?	Yes	Engineering project number	2020031	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The existing headworks at the Wekiva WWTF consists of an open air influent channel that flows through a Vulcan brand mechanical step screen that automatically activates as head conditions increase in the channel. In the event that the Vulcan screen fails to operate, the flow rises in the channel and overflows a weir to a manually raked coarse bar screen, then into the EQ/Surge tank. In October 2019 the Vulcan screen jammed, became blinded by debris and tripped the unit's breaker. As designed, the flow rose in the channel and flowed through the coarse bar screen until the bar screen became blinded at which time raw influent flowed over the channel onto the ground and into nearby Sweetwater Creek. Certain steps were immediately taken to prevent a future such incident until the situation could be analyzed to determine the root cause of the failure, which was later determined to be the facility receiving an influent flow that exceeded the headworks design capacity. The Utility has met with FDEP in an informal meeting and has memorialized the meeting by describing the content of the meeting in writing to FDEP, as requested. A short form Consent Order will require the Utility to address the headworks failure by designing and constructing a solution to meet peak influent flows to the treatment facility at the plant headworks.

The new headworks will be designed to meet the historical and current flows being received at the facility, provide for further redundancy to account for equipment failures that could occur as well as allow periodic equipment maintenance to be performed without a risk of an overflow. The project includes incorporating various operational and monitoring data into the plant SCADA system.

Risk Evaluation

No contingency amount has been included in the project budget. Initiating the project now will avoid conflicts with the next storm season and thus reduce the risk of an environmental incident such as an SSO. Completing construction in mid-2021 would meet the requirements for recovery as a proforma project in the rate case and allow for the FDEP Consent Order to be closed in a prompt fashion.

Alternatives Considered:

Alternatives as to the type of screening equipment and configuration of the new headworks were evaluated under the preliminary design phase for cost, maintenance and operational considerations.

Technical Review Summary:

Reviewed by CPRT on 10/1/2020 - Allowed to proceed under a yellow condition.

BUSINESS CASE FORM

New Project or Budget Change? New Project

Assigned Project # 2020XXX

Requested by: Bryan K. Gongre
Project Manager / Area Manager

Date: 1/24/2020

Project Name: Wekiva WWTF Headworks Replacement

Company: 252 UTILITIES, INC. OF FLORIDA

Business Unit: 255101 **SANLANDO S**

BU Type: SP

Project Owner: Patrick Flynn

Budget Owner / RP: John Hoy

Project Manager: Bryan K. Gongre

Region: Florida 4

Start Date: 2/1/2020 Q1 2020

State: FL

Estimated End Date: 6/1/2021 Q2 2021

Primarily Like-For-Like Asset Replacement? Yes

Will project replace/retire any assets: Yes

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**186,715**		**186,715**
Still to be Requested:			0
Total Project Budget:	**186,715**	**0**	**186,715**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Preliminary design, final design, permitting and CEI services for the replacement of the existing Wekiva WWTF headworks screening facility.

Timeline Considerations:

FDEP will be issuing a short form consent order regarding the need to address the failure of the existing headworks. Specific time constraints to accomplish this task have yet to be established; however, with an upcoming rate case, this project can be included as a proforma project and recoverable in this rate proceeding.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The existing headworks at the Wekiva WWTF consists of an open air influent channel that flows through a Vulcan brand mechanical step screen that automatically rotates as head conditions increase in the channel. In the event that the Vulcan screen fails to operate, the flow rises in the channel and overflows through a weir to a manually raked coarse barscreen then into the EQ/Surge tank. In October 2019 the Vulcan screen jammed, became blinded by debris and tripped the unit's breaker. As designed, the flow rose in the channel and flowed through the coarse barscreen until the barscreen became blinded at which time raw influent flowed over the channel onto the ground and into nearby Sweetwater Creek. Certain steps were immediately taken to prevent a future such incident until the situation could be analyzed to determine the root cause of the failure, which was later determined to be the facility receiving an influent flow that exceeded the headworks design capacity. The Utility has met with FDEP in an informal meeting and has memorialized the meeting by describing the content of the meeting in writing to FDEP, as requested. A short form consent order is expected to be recieved in the near future that will require the Utility to address the headworks failure by designing and constructing a solution to meet the needs of the facility.

The new headworks will be designed to meet the historical and current flows being received at the facility, provide for further redundancy to account for equipment failures that could occur as well as maintenance considerations and incorporate full monitoring of the various aspects of the headworks operation through SCADA.

Risk Evaluation

Failure to address the shortcomings of the headworks will lead to environmental impacts that are under a high degree of scrutiny at the State level meaning that penalties and fines will be levied that are unrecoverable. FDEP will be issuing a consent order requiring the Utility to make corrections. Failure to comply with the terms of the order will result in fines and penalties.

Alternatives Considered:

Alternatives as to the type of screening equipment and configuration of the new headworks will be evaluated under the preliminary design phase for cost, maintenance and operational considerations.

Technical Review Summary:

This project was reviewed by the CPRT on 1/30/2020 without comment requiring changes or the need for additional information.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
51188	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/15/2020	100.00	
51189	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/29/2020	361.44	
51190	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/29/2020	361.44	
52785	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	45.18	
54678	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	100.00	
54607	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	45.18	
54608	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	67.77	
54075	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	67.77	
54316	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	100.00	
54317	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	100.00	
54318	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	200.00	
54319	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	100.00	
65213	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2020	90.36	
65430	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/31/2020	105.00	
65431	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/31/2020	105.00	
106256	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/02/2020		
108789	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/02/2020		
106253	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/03/2020		
108787	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/03/2020		
106210	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/04/2020		
108786	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/04/2020		
106209	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/05/2020		
106207	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/08/2020		
106206	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	06/10/2020		
162528	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	07/06/2020		
161715	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	07/08/2020		
162534	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	07/09/2020		
161711	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	07/10/2020		
210690	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	07/31/2020		
214239	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	08/06/2020		
238995	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	08/10/2020		
238964	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	08/11/2020		
308960	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
308940	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	09/15/2020		
313177	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	09/15/2020		
313174	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	09/17/2020		
361077	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	10/06/2020		
381618	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	10/23/2020		
376481	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	10/28/2020		
376439	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
420470	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
420525	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/03/2020		
420522	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/04/2020		
425104	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		
420471	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
474003	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/20/2020		
473999	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/23/2020		
473995	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Captime	Captime	2410-330010 State of FL Cost Center	11/24/2020		4,876.00
52573	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	03/16/2020	7,630.50	
54920	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	04/14/2020	30,891.10	
65443	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	05/20/2020	46,521.20	
158352	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	05/31/2020	54,392.20	
183252	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	06/30/2020	19,969.95	
206026	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	07/31/2020	7,605.55	
272008	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	08/31/2020	2,090.45	
331035	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	09/30/2020	6,271.35	175,372.30
51187	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	02/29/2020	6.19	
53394	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	03/31/2020	63.95	
54809	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	04/30/2020	302.28	
64703	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	05/31/2020	654.61	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
152042	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2020	22.60	
152043	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2020	639.95	
195185	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2020	25.76	
195186	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2020	1,199.52	
258119	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2020	28.21	
258084	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2020	1,256.75	
357037	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2020	30.77	
357053	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2020	1,272.48	
391148	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2020	32.77	
391145	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2020	1,319.68	
488144	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	36.69	
488098	Florida-WEKIVA WWTF HEADWORKS REPLACEM	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	1,319.68	8,211.89
							188,460.19

SECTION 00520
AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (FIXED-PRICE)

1.01 This Agreement is by and between **Utilities Inc., of Florida** ("Owner") and **Florida Environmental Construction, Inc.** ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

1.02 Owner and Contractor hereby agree as follows:

A. SCOPE OF WORK

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: The construction of a new concrete headworks with dual center flow bar screens, a flow splitter box, an additional equalization pump, and the associated piping and electrical components necessary to provide a working system.

B. ENGINEER

The Owner has retained Kimley-Horn ("Engineer") to act as Owner's representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.

C. CONTRACT TIMES

Time is of the Essence

All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

Contract Times

The Work will be substantially complete within 270 days after the date when the Contract Times commence to run as provided in the General Conditions, and completed and ready for final payment within 300 days after the date when the Contract Times commence to run.

D. LIQUIDATED DAMAGES

Contractor and Owner recognize that time is of the essence as stated above and that Owner will suffer financial and other losses if the Work is not completed within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such

proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. *Substantial Completion:* Contractor shall pay Owner $500 for each calendar day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.

2. *Completion of Remaining Work:* After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner $100 for each day that expires after such time until the Work is completed and ready for final payment.

If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

E. **SPECIAL DAMAGES**

1. Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.

2. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

3. The special damages imposed in this paragraph are supplemental to any liquidated damages for delayed completion established in this Agreement.

F. CONTRACT PRICE

Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:

For all Work, a fixed-price sum of $2,580,912, which includes the furnishing and installation of screens, sluiceway and compactor described in the Proposal of November 3, 2020 and payment of all sales taxes and surtaxes recited in that proposal.

G. PAYMENT PROCEDURES

1. *Submittal and Processing of Payments*

   Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

2. *Progress Payments; Retainage*

   Owner shall make monthly progress payments on the basis of Contractor's Applications for Payment each month during performance of the Work as provided in Paragraph G.2.a. below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

   a. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

      1) 90 percent of the value of the Work completed (with the balance being retainage).

   b. Upon Substantial Completion, Owner has the discretion to pay an amount sufficient to increase total payments to Contractor up to 95 percent of the Work completed.

3. *Final Payment*

   Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price less any liquidated damages owed.

4. *Consent of Surety*

   Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

H. CONTRACT DOCUMENTS

1. The Contract Documents consist of all of the following:

   a. This Agreement.

   b. General Conditions.

   c. Supplementary Conditions.

   d. Specifications as listed in the table of contents of the project manual.

   e. Drawings (not attached but incorporated by reference) provided in the bid.

   f. Addenda which pertain to the bid.

g. The Proposal dated November 3, 2020 submitted by Contractor and accepted by Owner, including the proposal from Spirac incorporated therein and attached thereto.

h. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:

1) Notice to Proceed.

2) Work Change Directives.

3) Change Orders.

4) Field Orders.

2. The Contract Documents listed in Paragraph H.1 are attached to this Agreement (except as expressly noted otherwise above).

3. There are no Contract Documents other than those listed above in this Article H.

4. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

1.03 REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:

1. Contractor has examined and carefully studied the Contract Documents, including Addenda.

2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.

4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.

5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and

performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

B. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;

2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

C. Contractor assigns to Owner, all rights it may have under contract or statute as against SPIRAC, including any rights under express and implied warranties, applicable to the labor and equipment associated with the proposal dated November 3, 2020 and the Proposed Scope of Supply and Terms and Conditions associated therewith. Contractor agrees to obtain the written consent of Spirac to assignment of all warranties to Owner, and Contractor agrees to cooperate, at Owner's expense, if and as necessary to pursue and enforce the rights described above.

1.04 *Standard General Conditions*

A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on November 30, 2020

Owner:

Utilities, Inc. of Florida
(typed or printed name of organization)

By: Patrick C. Flynn
(individual's signature)

Date: November 23, 2020
(date signed)

Name: Patrick C. Flynn
(typed or printed)

Title: Vice President
(typed or printed)

Attest: Bryan K. Gongre
(individual's signature)

Title: Bryan K. Gongre, Regional Manager
(typed or printed)

Address for giving notices:

200 Weathersfield Avenue

Altamonte Springs, FL 32714

Designated Representative:

Name: Bryan K . Gongre
(typed or printed)

Title: Regional Manager
(typed or printed)

Address:

200 Weathersfield Avenue

Altamonte Springs, FL 32714

Phone: (321) 972-0360

Email: Bryan.Gongre@uiwater.com

Contractor:

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.
(typed or printed name of organization)

By: [signature]
(individual's signature)

Date: 11-23-20
(date signed)

Name: ROBERT LIGHTSEY
(typed or printed)

Title: PRESIDENT
(typed or printed)

Attest: Karen Lightsey
(individual's signature)

Title: VICE PRESIDENT
(typed or printed)

Address for giving notices:

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.

PO BOX 305

HOWEY IN THE HILLS, FL 34737

Designated Representative:

Name: ROBERT LIGHTSEY
(typed or printed)

Title: CONTRACTOR / PRESIDENT
(typed or printed)

Address:

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC.

PO BOX 305

HOWEY IN THE HILLS, FL 34737

Phone: 407-402-2828

Email: feckaren@embarqmail.com

License No.: CBC043583
(where applicable)

State: FLORIDA

NOTICE OF AWARD

Date of Issuance:	November 30, 2020		
Owner:	Utilities Inc., of Florida	Owner's Project No.:	2020182
Engineer:	Kimley-Horn	Engineer's Project No.:	149685026
Project:	Wekiva Headworks Improvements		
Contract Name:			
Bidder:	Florida Environmental Construction, Inc.		
Bidder's Address:	PO Box 305, Howey in the Hills, FL 34737		

You are notified that Owner has accepted your Bid dated **November 4, 2020** for the above Contract, and that you are the Successful Bidder and are awarded a Contract for:

The replacement of the existing headworks with a concrete structure with two center-flow screens, a concrete splitter box, and a fourth equalization pump.

The Contract Price of the awarded Contract is **$2,580,912**. Contract Price is a firm fixed fee without adjustment.

One unexecuted counterpart of the Agreement accompanies this Notice of Award, and one copy of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

☒ Drawings will be delivered separately from the other Contract Documents.

You must comply with the following conditions precedent within 15 days of the date of receipt of this Notice of Award:

1. Deliver to Owner **one (1)** counterparts of the Agreement, signed by Bidder (as Contractor).
2. Deliver with the signed Agreement(s) the Contract security (such as required performance and payment bonds) and insurance documentation, as specified in the Instructions to Bidders and in the General Conditions, Articles 2 and 6.
3. Other conditions precedent (if any): **None**

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within 10 days after you comply with the above conditions, Owner will return to you one fully signed counterpart of the Agreement, together with any additional copies of the Contract Documents as indicated in Paragraph 2.02 of the General Conditions.

Owner: **Utilities Inc., of Florida**

By *(signature)*: *Bryan K. Gongre*

Name *(printed)*: Bryan K. Gongre

Title: Regional Manager

Copy: Engineer

NOTICE TO PROCEED

Owner:	Utilities Inc., of Florida	Owner's Project No.:	2020182
Engineer:	Kimley-Horn	Engineer's Project No.:	149685026
Contractor:	Florida Environmental Construction	Contractor's Project No.:	
Project:	Wekiva Headworks Improvements		
Contract Name:			
Effective Date of Contract:	November 30, 2020		

Owner hereby notifies Contractor that the Contract Times under the above Contract will commence to run on **November 30, 2020** pursuant to Paragraph 4.01 of the General Conditions.

On that date, Contractor shall start performing its obligations under the Contract Documents. No Work will be done at the Site prior to such date.

In accordance with the Agreement:

The date by which Substantial Completion must be achieved is **September 1, 2021**, and the date by which readiness for final payment must be achieved is **October 1, 2021**.

Before starting any Work at the Site, Contractor must comply with the following:

None

Owner:	**Utilities Inc., of Florida**
By *(signature)*:	*Bryan K. Gongre*
Name *(printed)*:	Bryan K. Gongre
Title:	Regional Manager
Date Issued:	November 30, 2020

Copy: Engineer

Kimley»Horn

January 9, 2020

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

Re: Wekiva Headworks Replacement
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the design of the improvements to the Wekiva Hunt Club WRF.

Project Understanding

The Wekiva Hunt Club WRF headworks recently failed due to equipment failure in conjunction with increased loading on the facility. The Headworks screening facility is proposed to be replaced to provide increased capacity, redundancy, control, and monitoring. The improvements include a new influent structure containing two mechanical screens and a reconfiguration of the piping to use the existing channel as the passive bypass to the equalization tank.

Scope of Services

This scope is intended to describe the general methodology associated with the development of the plans and specification documents to complete this project.

Task 1 – Preliminary Design. This task includes equipment selection and the establishment of an overall configuration of the headworks to allow for proper access and maintenance. Equipment selection will include a review of the available types of screens with the Utility and site visits to facilities with the equipment to be considered. A selection of the specific type of screen will be made based on configuration, capital cost, maintenance, and service record. Once selected this will allow for the headworks channels and associated structure to be designed. A preliminary configuration will be drafted to include normal operational flow, bypass flows, maintenance access, and screenings removal access. This task will be completed for the lump sum fee of $15,261.

Task 2 – Final Design. The final design of the project will include the civil/mechanical design required for the installation as well as the structural design of the headworks and the electrical design of the SCADA/Controls systems. The proposed facilities are anticipated to be placed beside the existing headworks and integrated into their operations. Additionally, the walkways

will be tied together and site improvements made to allow for dumpster pickup and maintenance access. The headworks will generally be configured as a two channel system with two mechanical screens. Bypassing will be designed to use the existing structure with a passive emergency bypass back to the equalization tank. The equalization pumping will be modified to allow direct pumping to each plant for flow proportional balancing.

The plans will be developed using the existing survey and as-built documents of the site. The sheet set will generally include the following:

- Cover Sheet
- General Notes
- Existing Site Plan
- Demolition Plan
- Site Piping Plan
- Grading and Layout Plan
- Structural Plans and Details (4 sheets)
- Headworks Mechanical Plan and Sections (4 sheets)
- Equalization Pumping Plan and Details (2 sheets)
- Civil/Mechanical Details (3 sheets)
- Electrical Plans (6 sheets)

Plans will be reviewed with staff at the 60% and 90% levels prior to completion for bidding and construction. Geotechnical borings will be taken at the proposed structure location to confirm soil bearing capacity. On site piping modifications will be made to coordinate with pending force main improvements and will be coordinated to maintain continuous operation of the facility.

Structural design will be a reinforced concrete structure, with a corrosion resistant coating. The walkways and platforms will be designed with aluminum grating and handrails design to be integrated into the concrete structure.

Electrical design will account for site electrical, lighting, controls, and instrumentation. The controls will be designed to integrate into the facility SCADA system allowing for advanced monitoring of the proposed equipment. Instrumentation includes flow metering, level monitoring and control, mechanical bar screen integration, and any associated sampling equipment.

Final design services can be completed for $116,303. This includes subconsultant fees of $33,000 for electrical and geotechnical work

Task 3 – Permitting. Permits will be required through the FDEP and Seminole County. The FDEP will require a minor modification permit for these improvements. A site plan permit will be required from Seminole County with building permitting support during the construction phase. This task is proposed to be completed for $13,342 including the permitting fees for FDEP minor modification and the site plan application.

Kimley»Horn

Task 4 – Construction Services. This project is preliminarily estimated at 2 million dollars and must be completed as quickly as possible. We are proposing construction administration services including bidding, shop drawing review, and record drawings preparation. Additionally, we are proposing part time construction services which will include monthly progress review and attendance at monthly meetings. This task is proposed to be completed for $41,809 including $15,000 in subconsultant fees.

Deliverables

The final deliverable will be a digital and hard copy set of plans and specifications to be used in design. Review sets will be provided at the conceptual stage, 60% complete, 90% complete, and final design. Kimley-Horn will provide plans and specifications for bidding purposes to the contractors and will provide construction sets to the selected contractor. At the end of the project, record drawings will be prepared and submitted digitally and in hard copy.

Schedule

We will provide our services as expeditiously as practicable with the goal completing the design and being bid ready within 6 months of authorization.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $188,715.00.

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

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bryan L. Dorr

Date: 2/14/2020

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-24) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	5/21/2020
Project Name:	Sanlando Well Panel Replacements		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	255100 **SANLANDO W**		
Project Owner:	Patrick C. Flynn	**BU Type:**	WP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	5/29/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	8/31/2020 Q3 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:		74,500	74,500
This Request:			**0**
Still to be Requested:			0
Total Project Budget:	**0**	**74,500**	**74,500**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Replace existing suppy well control panels at Wells 1 and 1A at the Des Pinar WTP, Well 4 at the Knollwood WTP and Wells 5 and 8 at the Wekiva WTP.

Timeline Considerations:

This is a proforma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as a proforma.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The existing well control panels were installed in the middle to late 1970's and have outlived their useful service life. All five panels are designated as critical assets that control the operation of these five water suppy wells that are integral to the operation of the Wekiva, Des Pinar and Knollwood WTPs and the delivery of water service to all Sanlando customers. The panels predate the current NEC electric code and present a safety hazard to staff. Electric components are also outdated making it difficult to obtain replacement parts, which extends the duration of downtime for the affected well or wells.

The new panels will meet current NEC requirements with new panels and components that are maintainable and repairable without lengthy delays. The new panels will eliminate the current safety concerns and insure that the water supply can be delivered to the WTPs for years to come.

Risk Evaluation

These assets were evaluated based upon years in service, overall condition, risk of failure or function, and consequence of failure through the Asset Management Plan. The well starters and associated components are critical in the delivery of raw water to the three treatment plants on a round the clock basis.

Alternatives Considered:

Reuse the cabinetry and install new components. This would not address the need to bring the facilities up to NEC code and would not addreess the corrosion present in the panels themselves.

Technical Review Summary:

Project was reviewed and approved by the CPRT on 5/21/2020 without the need for correction or revsion.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
210591	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/05/2020		
210585	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/06/2020		
237632	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/13/2020		
237571	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/14/2020		
239096	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/17/2020		
237630	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/17/2020		
239106	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/18/2020		
287059	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/24/2020		
287056	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/27/2020		
287108	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/28/2020		
287003	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	08/31/2020		
287062	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/02/2020		
313120	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/09/2020		
313964	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
313961	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/15/2020		
346797	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/22/2020		
346850	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/23/2020		
346794	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/24/2020		
346803	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/25/2020		
345935	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
347517	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	09/29/2020		
347515	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/02/2020		
346805	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/02/2020		
380066	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
376435	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
381373	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
379307	Florida-SANLANDO WELL PANEL REPLACEMENTS	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		2,312.00
264039	Florida-SANLANDO WELL PANEL REPLACEMENTS	Construction	Construction	2410-330320 Sanlando Utilities Corp W	09/09/2020	45,000.00	
302025	Florida-SANLANDO WELL PANEL REPLACEMENTS	Construction	Construction	2410-330320 Sanlando Utilities Corp W	09/25/2020	29,500.00	74,500.00
488138	Florida-SANLANDO WELL PANEL REPLACEMENTS	IDC	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	17.40	
488136	Florida-SANLANDO WELL PANEL REPLACEMENTS	IDC	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	560.61	
492005	Florida-SANLANDO WELL PANEL REPLACEMENTS	IDC	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	568.62	
492010	Florida-SANLANDO WELL PANEL REPLACEMENTS	IDC	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	578.01	1,724.64
							78,536.64

NORTH LAKE ELECTRIC Inc.
Leesburg, Fl

Project Proposal

Date: April 27,2020

Project: Utilities Inc. Well Starter Replacement
Job Location: Longwood and Wekivia Fl.

Contractor: Utilities Inc.
Address: 200 Weathersfield Ave. Altamonte Springs Fl. 32714
Attn: Bryan Gongre

North Lake Electric, Inc. is pleased to submit the following proposal for the above referenced project. Price include labor, material, and applicable taxes per project scope below. Price is good for 30 days, and payment terms are Net 30.

Includes: Well #4- New rack for motor starter, new enclosed circuit breaker, new motor starter, conduit and wire to motor and all terminations.

Well#5- New enclosed circuit breaker, new minipower zone, new motor starter, new conduit and wire along with all terminations.

Well #8-New motor starter, mounting of new RTU (provide by others), new conduit and wire along with all terminations.

Well #1 & 1A- New rack and 2 new starters, new conduit and wire along with terminations.

Includes two days of programming for RTU's and necessary permits.

Excludes: Any new meter cans.

Price$74,500.00

Thank you for the Opportunity,

Ryan M. Strong
Vice President

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-25) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	4/21/2020
Project Name:	Sanlando Powerline 16in FM and WM			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	255103	**SANLANDO C**		
Project Owner:	Patrick C. Flynn		**BU Type:**	Combined
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	Gary Rudkin
Start Date:	5/4/2020	Q2 2020	**Region:**	Florida 4
Estimated End Date:	12/31/2020	Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**3,575,250**	**3,575,250**
Still to be Requested:			0
Total Project Budget:	**0**	**3,575,250**	**3,575,250**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Water Main:
Replace and upsize an exsiting 14" AC water main with 7,360 LF of 16" C-900 DR-18 PVC by open cut and DR-11 HDPE pipe by directional drill. The scope will include MOT, restoration, survey, (1) 18" butterfly valve, (9) 16" butterfly valves, (3) 14" butterfly valves, (12) 2" air release valves, removal of AC pipe in county road R/W, grout filling abandoned pipe left in the power line easement, and reconnection of exsiting service lines.

Force Main:
Replace and upsize an existing 14" AC force main with 50 LF of 14" C-900 PVC, 1,910 LF of 16" C-900 PVC, 2,260 LF of 18" C-900 PVC, 750 LF of 24" C-900 PVC by open cut. There will also be 1,290LF of 16" DR-11 HDPE, 100 LF of 18" DR-11 HDPE and 550 LF of 24" DR-11 HDPE by driectional drill. The scope will include MOT, restoration, survey, (1) 8" plug valve, (1) 12" plug valve, (1) 14" tapping valve, (5) 16" plug valves, (2) 18" plug valves, (3) 24" plug valves, (14) 2" air release valves, AC pipe removal in county road R/W, and grout filling pipe abandoned in the power line easement place.

Timeline Considerations:

This is a proforma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as a proforma.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	2018098	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

This 14" force main was constructed in 1973, has outlived its usefulf service life and has a high risk of failure as identified in the Utility's Asset Management Program. The existing force main conveys the sanitary flows from the east side of the Sanlando service area and portions of the west side of the system to the Wekiva WWTF. This force main is the only means of conveying these flows to the WWTF. The new force main will be upsized to 16", which will decrease the head conditions and associated flow velocities carried through the pipeline resulting in a potential reduction in power costs at the lift stations that is not quantifiable at this time and insure a long service life. There are two connection points identified along the force main route that will be needed to facilitate future force main replacement projects. With these two additional connections generating a higher head condition within the pipeline, the new force main will be upsized from 16" to 18" near the first future additional connection point then to 24" where the force main enters the plant property and near the future second connection point.

Similar in age, size and within the same route as the existing 14" force main lies an existing 14" AC water main that has a high risk of failure as identified in the Utility's Asset Management Program and has outlived its useful service life as demonstrated by having incurred several breaks over the last two years. The existing 14" AC water main will be upsized to a 16" PVC/HDPE water main to provide for a reduction in head conditions and extended service life.

Risk Evaluation

A failure of the existing AC force main would create an environmental hazard by releasing thousands of gallons of untreated sewerage. Being that a large portion of this force main is located within a powerline easement, leaks are not readily detected and could span an extended period of time without being noticed.

The AC water main is one of two that provides for redundancy in maintaining water service to the majority of the Sanlando customer base. The water main size being a combination of rough barrel and smooth barrel AC pipe tends to require a longer lead time for repairs due to unavailablity of 14" rough barrel AC repair parts resulting in an elevated reliance on other similarly aged infrastrucutre to provide service until repairs can be completed.

Alternatives Considered:

The do nothing approach and running the pipeline to failure will result in environmental hazards that could lead to a Consent Order with fines and drive up operating costs.

Alternatives to the water main replacement include extending the timeline for the replacement and continue to depend upon similarly aged infrastructure to maintain the level of service our customers expect.

Technical Review Summary:

Project was reviewed and approved by the CPRT on 5/21/2020 without the need for correction or revsion.

Utilities, Inc.

ADD-CHANGE FORM

New Project or Budget Change?	Budget Change		**Assigned Project #**	2018098
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	7/18/2018
Project Name:	Sanlando FM/WM Replacement			
Company:	255	Sanlando Utilities Corp		
Business Unit:	255101	Sanlando Utilities Corp S		
Project Owner:	Patrick C. Flynn		**BU Type:**	SP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy 3
Start Date:	8/1/2018	Q3 2018	**Region:**	Florida 04
Estimated End Date:	12/31/2020	Q4 2020	**State:**	FL
Project Type:	EH&S Compliance			
Will project replace/retire any assets:	Yes			

Previously Requested:	$73,000
This Request:	**$43,150**
Still to be Requested:	$0
Total Project Budget:	**$116,150**

Description:

Design, permitting and CEI services to replace 5,000LF of existing 14" AC force main from Wekiva Springs Road to the Wekiva WWTF with a new 16" PVC/HDPE force main.

Change Order #1 -
1) Realignment of the initial design of the proposed 16" force main.
2) Add two force main connection points and upsizing portions of the proposed force main for future force main replacement projects.
3) Design, permitting and CEI services to replace 5,000LF of exisitng 14" AC water main with a new 16" PVC/HDPE water main from Wekiva Springs Rd. to the Wekiva WTP.

Timeline Considerations:

This project is a component of the Utility's 2020 capital plan with a target completion of year's end.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project numbe	NA	(If applicable)

Utilities, Inc.

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

This 14" force main was constructed in 1973, has outlived its usefulf service life and has a high risk of failure as identified in the Utility's Asset Management Program. The existing force main conveys the sanitary flows from the east side of the Sanlando service area and portions of the west side of the system to the Wekiva WWTF. This force main is the only means of conveying these flows to the WWTF. The new force main will be upsized to 16", which will decrease the head conditions and flow velocities carried through the pipeline resulting in a potential reduction in power costs at the lift stations that is not quantifiable at this time and insure a long service life.

Change Order #1 -
1) The existing 14" force main and a 14" water main are mostly located in an easement controlled by Duke Energy. For several months, the Utility, its engineers and legal counsel have been engaged in discussions with Duke to meet their design and construction requirements. In doing so, the force main needed to be realigned adding cost to the project.
2) Under a separate force main modeling project there are two connection points identified along the force main route that will be needed to facilitate future force main replacement projects. With these two additional connections generating a higher head condition within the pipeline, the new force main will be upsized from 16" to 18" near the first future addtional connection point then to 20" where the force main enters the plant property and near the future second connection point . With this informaiton in hand it is wise to incorporate the changes now.
3) Similar in age, size and within the same route as the 14" force main lies an existing 14" AC water main that is also at a high risk of failure and outlived its useful service life as demonstrated by having incurred several breaks over the last few years. The water main replacement will be included in the negotiation efforts with Duke Energy. The existing 14" water main will be upsized to a 16" water main to provide for a reduction in head condtions.

Risk Evaluation

A failure of the existing AC force main would create an enviornmental hazard by releasing thousands of gallons in untreated sewerage. Being that a large portion of this force main is located within a powerline easement, leaks are not readily detected and could span an extended period of time without being noticed.

The AC water main is one of two that provides for redundancy in maintaining water service to the majority of the Sanlando customer base. The water main size being a combination of rough barrel and smooth barrel AC pipe tends to require a longer lead time for repairs due to availablity of repair parts meaning an extended reliance on other similarly aged infrastrucutre to provide service.

Alternatives Considered:

The do nothing approach and running the pipeline to failure will result in environmental hazards that could lead to a Consent Order with fines and drive up operating costs.

Alternatives to the water main replacement include extending the timeline for the replacement and continue to depend upon similarly aged infrastructure to maintain the level of service our customers expect.

Technical Review Summary:

Project was reviewed by the CPRT on 7/19/2018 without objection or comments requiring revisions.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
10455	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	12/31/2018	100.00	
14149	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/15/2019	100.00	
14151	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	182.00	
14213	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	43.28	
14212	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	01/31/2019	100.00	
14952	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/28/2019	43.28	
25797	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2019	135.54	
27661	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/15/2019	187.00	
27765	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/30/2019	135.54	
40024	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/15/2019	45.18	
40026	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/30/2019	45.18	
40025	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/30/2019	45.18	
33421	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	10/31/2019	45.18	
45578	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/15/2019	45.18	
45550	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/15/2019	45.18	
47914	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	12/15/2019	112.95	
50994	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/15/2020	45.18	
50991	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/15/2020	100.00	
50992	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/15/2020	45.18	
50993	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	02/15/2020	90.36	
48763	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/15/2020	45.18	
48767	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/15/2020	90.36	
48664	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	100.00	
48666	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	100.00	
53045	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	102.00	
48665	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	100.00	
52787	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	45.18	
52790	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	03/31/2020	67.77	
54512	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	100.00	
54567	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	100.00	
54568	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	100.00	
54569	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	100.00	
54609	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	45.18	
54610	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/15/2020	45.18	
54914	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/21/2020	90.36	
54915	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/21/2020	90.36	
54074	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	100.00	
54077	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	04/30/2020	67.77	
65212	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330325 Sanlando Utilities Corp S	05/15/2020	100.00	
114460	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	06/22/2020		
162530	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/07/2020		
161714	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/08/2020		
162532	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/09/2020		
173660	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/16/2020		
237580	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/11/2020		
287010	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/25/2020		
288323	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/26/2020		
288320	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/27/2020		
287055	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/27/2020		
310269	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
309280	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/09/2020		
310273	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
310215	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/18/2020		
347469	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/21/2020		
347462	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/23/2020		

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
347566	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
347519	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/29/2020		
381619	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/23/2020		
380122	Florida-SANLANDO 14" FM REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		12,718.00
320020	Florida-SANLANDO 14" FM REPLACEMENT	Construction	Construction	2410-330335 Sanlando Utilities Corp C	10/03/2020	523,818.00	
427250	Florida-SANLANDO 14" FM REPLACEMENT	Construction	Construction	2410-330335 Sanlando Utilities Corp C	11/05/2020	287,550.00	
478047	Florida-SANLANDO 14" FM REPLACEMENT	Construction	Construction	2410-330335 Sanlando Utilities Corp C	12/04/2020	382,950.00	
252029	Florida-SANLANDO 14" FM REPLACEMENT	Construction	Construction	2410-330335 Sanlando Utilities Corp C	06/30/2021	315,000.00	
10456	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2018	33,275.00	
16221	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	02/13/2019	4,350.00	
19492	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	03/21/2019	8,525.00	
30639	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	07/18/2019	500.00	
45505	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	11/06/2019	441.15	
49524	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	01/31/2020	4,350.00	
50953	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	02/29/2020	21,300.00	
52574	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	03/16/2020	14,900.00	
54882	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	04/14/2020	7,850.00	
183251	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	06/30/2020	2,000.00	
295002	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	07/31/2020	6,000.00	
277021	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	08/31/2020	2,000.00	
390008	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	08/31/2020	-2,000.00	
329001	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	09/30/2020	5,000.00	
390106	Florida-SANLANDO 14" FM REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	10/29/2020	2,000.00	1,619,809.15
493000	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	2,406.04	
493002	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	8,475.92	
493001	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	6,359.25	
488121	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330335 Sanlando Utilities Corp C	11/30/2020	57.59	
391129	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	10/31/2020	831.45	
488139	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	831.45	
10437	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	12/31/2018	839.04	
14150	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	01/31/2019	254.35	
16222	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	02/28/2019	287.41	
19493	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	03/31/2019	351.56	
21244	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	04/30/2019	351.56	
25798	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	05/31/2019	352.58	
27662	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	06/30/2019	355.00	
30638	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	07/31/2019	358.77	
35096	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	08/31/2019	358.77	
40023	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	09/30/2019	359.79	
41749	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	10/31/2019	360.13	
45100	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2019	364.13	
47877	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	12/31/2019	364.98	
46968	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	01/31/2020	67.77	
49525	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	01/31/2020	397.71	
46966	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	01/31/2020	67.77	
46967	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	01/31/2020	67.77	
50990	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	02/29/2020	560.10	
53323	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	03/31/2020	676.35	
54868	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	04/30/2020	742.51	
63977	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	05/31/2020	743.26	
152022	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	06/30/2020	25.21	
152023	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	06/30/2020	718.57	
195172	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	07/31/2020	28.28	
195173	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	07/31/2020	733.62	
258097	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	08/31/2020	28.62	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
258096	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	08/31/2020	733.62	
357039	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	09/30/2020	33.84	
357038	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	09/30/2020	793.82	
391139	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	10/31/2020	38.11	
488146	Florida-SANLANDO 14" FM REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	38.11	30,414.81
							1,662,941.96

Kimley»Horn

May 21, 2018

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

Re: 14-in Force Main Replacement
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the replacement of the 14-inch asbestos cement force main located in the Duke Energy Power Easement. The force main is at the end of its useful life and needs to be replaced from Wekiva Springs Road to the Wekiva Hunt Club WRF. This is approximately 5,000 linear feet of force main that will be upsized to a 16-inch main to accommodate the additional flows associated with the diversion of the Longwood flows to Wekiva.

Scope of Services

Task 1 – Preliminary Design. This task includes the preliminary layout of the pipeline along the same corridor as the existing pipeline. Old surveys and GIS aerials will be used to confirm the location of the existing infrastructure. A site investigation will be completed to locate any new visible obstructions to the construction of a new main. There is currently a 14" force main, a 14" water main, and a 12" reclaimed main along the same route. The route will be laid out to provide for sufficient separation to existing infrastructure. Preliminary discussions will be entered with the FDEP, the power company and the County to prepare for necessary permitting activities.

Task 2 – Final Design. Plan and profile drawings will be prepared for the entire route. Plans will be developed on half size sheets. Front end specifications will be prepared for bidding purposes and the technical specifications will be incorporated into the plans. The plans will detail the Sweetwater Creek crossing and the Wekiva Springs Road crossing with sufficient detail to obtain the necessary permits. Meetings with staff will be held to review the project at the 60% and 90% level with final comments incorporated into the 100% biddable plans and specification set.

Task 3 – Permitting. Several permits and coordination will be required for this project. FDEP will require a permit to construct the force main. Additionally, a DeMinimus exemption will be required to drill the replacement force main under Sweetwater Creek. Right of way permits will be required by Seminole County for several road crossings and for portions where the pipeline will be constructed in the right of way. A utility permit may also be required from the power company to replace the existing force main. It is our understanding that while the power company has an easement, they do not own the property and notifications will need to be made to the impacted property owners.

Task 4 – Bidding Services. Kimley-Horn will distribute plans and specs to 3-5 contractors to bid on the project. Bidding services include reviewing bidder questions, issuing addenda as needed, reviewing the bids, and providing a recommendation for award.

Task 5 – Construction Services. This task includes administrative services including shop drawing review, progress meetings, limited inspection, response to change orders, certification of completion, preparation

Kimley»Horn

of record drawings, and the incorporation of the record drawings into the GIS database.

Deliverables

The final deliverable will be a digital and hard copy of the contract documents. Upon project completion the as-built drawings will be incorporated into the GIS system per the utility guidelines.

Schedule

We will provide our services as expeditiously as practicable with the goal completing the design within 120 days. Permitting will take an additional 90 days due to the Sweetwater Creek crossing. Construction is estimated to take 6-9 months. Construction is preliminarily estimated to be $1,000,000.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee as follows:

Task	Fee
1	$5,000
2	$43,500
3	$5,000
4	$2,500
5	$15,000
Estimated Permitting Fees	$2,000
TOTAL	**$73,000**

All permitting, application, and similar project fees will be paid directly by the Client.

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.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bryan L. Buzz

Date: 7/25/2018

Kimley»Horn

December 12, 2019

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

Re: Water Main Replacement Addendum #1
Sanlando Service Area

Dear Bryan:

This letter will serve to amend our current contract dated July 25, 2018 to include the water main replacement through the Duke Energy Power Easement. We proposed the following tasks and corresponding fees:

Scope of Services

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

Task 1 – Realignment of Force Main. This task includes the changes of the force main design that were impacted by conversations with Duke Energy and the future connections identified in the Sanlando Force Main Modeling project. The force main alignment will need to be modified to incorporate the Duke Energy requirements throughout the easement.

Task 2 – Water Main Design. The plan and profile drawings for the proposed water main replacement will be incorporated in the Force Main Replacement plan set. Front end specifications will be prepared for bidding purposes and the technical specifications will be incorporated into the plans. The plans will detail the Sweetwater Creek crossing and the Wekiva Springs Road crossing with sufficient detail to obtain the necessary permits. Meetings with staff will be held to review the project at the 60% and 90% level with final comments incorporated into the 100% biddable plans and specification set.

Task 3 – Permitting. Several permits and coordination will be required for this project. FDEP will require a permit to construct the water main. Additionally, a De Minimus exemption may be required to drill the replacement water main under Sweetwater Creek. Right of way permits will be required by Seminole County for several road crossings and for portions where the pipeline will be constructed in the right of way. A utility permit may also be required from the power company to replace the existing water main.

Task 4 – Construction Services. This task includes administrative services including shop drawing review, progress meetings, limited inspection, response to change orders, certification of completion, preparation

Services Not Included

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

- Geotechnical
- Survey
- Structural
- Electrical

Kimley»Horn

Additional Services

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

Information Provided By Client

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

Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 5 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Client.

Task 1: Preliminary Design	$10,000
Task 2: Final Design	$25,000
Task 3: Permitting	$ 2,500
Task 4: Construction Services	$ 5,000
Estimated Cost for Permits	$ 650
Total Lump Sum Fee	**$43,150**

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

Kimley»Horn

Closure

All other terms and conditions of our original agreement shall remain in full force and effect.

Please execute one copy of this Addendum No. 1 and return to our office for further processing.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

AUTHORIZED BY:
UTILITIES INC., OF FLORIDA

Bryan K. Gongre
Printed Name:
Title: Regional Mgr.

1/24/20
Date

SECTION 00510
NOTICE OF AWARD FORM

TO: Tri-Sure Corporation

NAME OF PROJECT: ***Water Main and Force Main Replacement Wekiva Springs Rd to WRF***

The OWNER has considered the BID submitted by you, dated 4/15/2020 for the above described WORK in response to the Invitation for Bids and Information for Bidders.

You are hereby notified that your BID has been accepted for BID items in the amount of $ 3,575,250.00.

You are required by the Instructions to Bidder to execute the Agreement and furnish the required CONTRACTOR's Performance Bond, Payment Bond, and certificates of insurance within fourteen (14) calendar days from the date of this Notice to you. If you fail to execute said Agreement and to furnish said Bonds and insurance within fourteen (14) calendar days from receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 22nd day of June, 2020.

OWNER: Utilities Inc. of Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick Flynn
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE OF AWARD is hereby acknowledged by _____ this _____ day of _____, _____.

By

Printed Name and Title

END OF SECTION

SECTION 00520
AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 22nd day of June, 2020, by and between 1) Utilities Inc. of Florida, hereinafter called the Owner, and 2) Tri-Sure Corporation, doing business as a 3) Corporation, and hereinafter called the Contractor.

1) *Name of Owner*
2) *Name of Contractor*
3) *Corporation, Partnership, Sole Proprietor*

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the 4) Water Main & Force Main Replacement Wekiva Springs Rd to WRF

4) *Name of Project identified in Invitation for Bids*

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 5) 365 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

5) *As specified in paragraph 1.02/C/5 of the Bid Form*

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to the Measurement and Payment Provisions, and subject to actual constructed quantities; the Total Contract Price of three million five hundred seventy-five thousand two hundred fifty Dollars ($3,575,250.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

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

G. Retainage

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

H. Engineer

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

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

CONTRACTOR:

_____
Name of Firm

_____
By (Signature) (SEAL)

_____
Printed Name and Title

ATTEST:

_____
By (Signature)

_____
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner

Patrick C. Flynn
By (Signature) (SEAL)

Patrick Flynn, Vice President
Printed Name and Title

ATTEST:

Bryan K. Gongre
By (Signature)

Bryan K. Gongre, Regional Manager
Printed Name and Title

END OF SECTION

SECTION 00530
NOTICE TO PROCEED FORM

TO: Tri-Sure Corporation
PO Box 653
Auburndale, FL 33823

DATE: June 22, 2020

PROJECT: Water Main and Force Main Replacement Wekiva Sprinds Rd to WRF

You are hereby notified to commence WORK in accordance with the Agreement dated June 22, 2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 335 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is May 23, 2021. The date of Final completion is June 22, 2021.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

Patrick C. Flynn
By (Signature)

Patrick Flynn
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by _____ _____ this _____ day of _____, _____.

_____
By

_____
Printed Name and Title

END OF SECTION

BID TABULATION
FOR
SANLANDO WATER MAIN AND FORCE MAIN REPLACEMENT

Water Main				Tri-Sure		Central Florida Tapping		Traverse	
	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
General									
1	Mobilization	LS	1	$ 170,000.00	**$ 170,000.00**	$ 105,300.00	**$ 105,300.00**	$ 195,750.00	**$ 195,750.00**
2	Performance and Payment Bond	LS	1	$ 35,000.00	**$ 35,000.00**	$ 36,675.00	**$ 36,675.00**	$ 40,413.73	**$ 40,413.73**
3	Maintenance of Traffic	LS	1	$ 20,000.00	**$ 20,000.00**	$ 13,000.00	**$ 13,000.00**	$ 25,250.00	**$ 25,250.00**
4	General Restoration	LS	1	$ 50,000.00	**$ 50,000.00**	$ 127,495.00	**$ 127,495.00**	$ 125,600.00	**$ 125,600.00**
5	Concrete Restoration - (Sidewalk, driveway, curb, and gutter)	SY	200	$ 200.00	**$ 40,000.00**	$ 175.00	**$ 35,000.00**	$ 250.00	**$ 50,000.00**
6	Survey Layout & Record Drawings	LS	1	$ 25,000.00	**$ 25,000.00**	$ 20,800.00	**$ 20,800.00**	$ 20,000.00	**$ 20,000.00**
7	Construction Testing (Pressure, Bacteriological, Density Testing)	LS	1	$ 20,000.00	**$ 20,000.00**	$ 70,425.00	**$ 70,425.00**	$ 50,000.00	**$ 50,000.00**
Site Work									
8	14" C-900 DR-18 PVC Water Main (including fittings, restraints, adapters, etc.)	LF	60	$ 135.00	**$ 8,100.00**	$ 825.00	**$ 49,500.00**	$ 161.00	**$ 9,660.00**
9	16" C-900 DR-18 PVC Water Main (including fittings, restraints, adapters, etc.)	LF	5450	$ 130.00	**$ 708,500.00**	$ 67.00	**$ 365,150.00**	$ 137.00	**$ 746,650.00**
10	16" DR-11 HDPE Water Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	1850	$ 150.00	**$ 277,500.00**	$ 216.00	**$ 399,600.00**	$ 182.00	**$ 336,700.00**
11	Connect to existing 18" (tapping sleeve and valve)	EA	1	$ 16,000.00	**$ 16,000.00**	$ 19,810.00	**$ 19,810.00**	$ 19,427.00	**$ 19,427.00**
12	Connect to existing 16" (tapping sleeve and valve)	EA	2	$ 15,000.00	**$ 30,000.00**	$ 19,630.00	**$ 39,260.00**	$ 18,595.00	**$ 37,190.00**
13	Connect to existing 14" (tapping sleeve and valve)	EA	3	$ 13,000.00	**$ 39,000.00**	$ 18,645.00	**$ 55,935.00**	$ 17,281.00	**$ 51,843.00**
14	Connect to existing 8" Water Service (Saddle, Gate Valve, bends, etc.)	EA	1	$ 10,000.00	**$ 10,000.00**	$ 17,470.00	**$ 17,470.00**	$ 7,525.00	**$ 7,525.00**
15	Connect to existing 2" Water Service (Saddle, Gate Valve, etc.)	EA	3	$ 1,000.00	**$ 3,000.00**	$ 4,935.00	**$ 14,805.00**	$ 1,935.00	**$ 5,805.00**
16	16" Gate Valve	EA	9	$ 6,500.00	**$ 58,500.00**	$ 7,495.00	**$ 67,455.00**	$ 6,150.00	**$ 55,350.00**
17	2" Air Release Valve	EA	12	$ 4,500.00	**$ 54,000.00**	$ 8,785.00	**$ 105,420.00**	$ 5,525.00	**$ 66,300.00**
18	Temporary Water Main	LF	250	$ 100.00	**$ 25,000.00**	$ 38.00	**$ 9,500.00**	$ 175.00	**$ 43,750.00**
19	Removal of 14" Water Main	LF	2150	$ 40.00	**$ 86,000.00**	$ 75.00	**$ 161,250.00**	$ 61.00	**$ 131,150.00**
20	Grout Ex. 14" Water Main	CY	150	$ 200.00	**$ 30,000.00**	$ 440.00	**$ 66,000.00**	$ 277.00	**$ 41,550.00**
21	Reconnect Existing Water Services	EA	12	$ 2,500.00	**$ 30,000.00**	$ 2,780.00	**$ 33,360.00**	$ 2,000.00	**$ 24,000.00**
			WATER MAIN TOTAL		**$ 1,735,600.00**		**$ 1,813,210.00**		**$ 2,083,913.73**

BID TABULATION
FOR
SANLANDO WATER MAIN AND FORCE MAIN REPLACEMENT

Force Main				Tri-Sure		Central Florida Tapping		Traverse	
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
General									
1	Mobilization	LS	1	$ 180,000	**$ 180,000.00**	$ 91,650	**$ 91,650.00**	$ 200,225	**$ 200,225.00**
2	Performance and Payment Bond	LS	1	$ 35,000	**$ 35,000.00**	$ 36,675	**$ 36,675.00**	$ 40,253	**$ 40,252.73**
3	Maintenance of Traffic	LS	1	$ 20,000	**$ 20,000.00**	$ 13,000	**$ 13,000.00**	$ 27,500	**$ 27,500.00**
4	General Restoration	LS	1	$ 50,000	**$ 50,000.00**	$ 35,665	**$ 35,665.00**	$ 116,755	**$ 116,755.00**
5	Concrete Restoration - (Sidewalk, driveway, curb, and gutter)	SY	117	$ 200	**$ 23,400.00**	$ 206	**$ 24,102.00**	$ 250	**$ 29,250.00**
6	Survey Layout & Record Drawings	LS	1	$ 20,000	**$ 20,000.00**	$ 13,000	**$ 13,000.00**	$ 17,500	**$ 17,500.00**
7	Construction Testing (Pressure, Bacteriological, Density Testing)	LS	1	$ 20,000	**$ 20,000.00**	$ 70,425	**$ 70,425.00**	$ 40,000	**$ 40,000.00**
Site Work									
8	24" C-900 DR-18 PVC Force Main (including fittings, restraints, adapters, etc.)	LF	750	$ 190	**$ 142,500.00**	$ 180	**$ 135,000.00**	$ 227	**$ 170,250.00**
9	18" C-900 DR-18 PVC Force Main (including fittings, restraints, adapters, etc.)	LF	2260	$ 160	**$ 361,600.00**	$ 97	**$ 219,220.00**	$ 150	**$ 339,000.00**
10	16" C-900 DR-18 PVC Force Main (including fittings, restraints, adapters, etc.)	LF	1910	$ 130	**$ 248,300.00**	$ 61	**$ 116,510.00**	$ 139	**$ 265,490.00**
11	14" C-900 DR-18 PVC Force Main (including fittings, restraints, adapters, etc.)	LF	50	$ 165	**$ 8,250.00**	$ 93	**$ 4,650.00**	$ 160	**$ 8,000.00**
12	24" DR-11 HDPE Water Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	550	$ 220	**$ 121,000.00**	$ 285	**$ 156,750.00**	$ 275	**$ 151,250.00**
13	18" DR-11 HDPE Force Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	100	$ 200	**$ 20,000.00**	$ 310	**$ 31,000.00**	$ 203	**$ 20,300.00**
14	16" DR-11 HDPE Force Main by Directional Drill (including fittings, restraints, adapters, etc.)	LF	1290	$ 150	**$ 193,500.00**	$ 186	**$ 239,940.00**	$ 182	**$ 234,780.00**
15	24" Plug Valve	EA	3	$ 22,000	**$ 66,000.00**	$ 19,995	**$ 59,985.00**	$ 17,245	**$ 51,735.00**
16	18" Plug Valve	EA	2	$ 14,000	**$ 28,000.00**	$ 9,435	**$ 18,870.00**	$ 12,750	**$ 25,500.00**
17	16" Plug Valve	EA	5	$ 8,000	**$ 40,000.00**	$ 8,755	**$ 43,775.00**	$ 8,500	**$ 42,500.00**
18	12" Plug Valve	EA	1	$ 4,000	**$ 4,000.00**	$ 4,450	**$ 4,450.00**	$ 5,100	**$ 5,100.00**
19	8" Plug Valve	EA	1	$ 2,500	**$ 2,500.00**	$ 3,340	**$ 3,340.00**	$ 3,275	**$ 3,275.00**
20	14" Tapping Sleeve and Valve	EA	1	$ 15,000	**$ 15,000.00**	$ 27,140	**$ 27,140.00**	$ 11,000	**$ 11,000.00**
21	2" Air Release Valve	EA	14	$ 4,500	**$ 63,000.00**	$ 9,850	**$ 137,900.00**	$ 5,750	**$ 80,500.00**
22	Removal of 14" Force Main	LF	3500	$ 40	**$ 140,000.00**	$ 75	**$ 262,500.00**	$ 61	**$ 213,500.00**
23	Grout 14" Force Main at road crossings	CY	63	$ 200	**$ 12,600.00**	$ 480	**$ 30,240.00**	$ 277	**$ 17,451.00**
24	Open Cut Roadway Restoration	LS	50	$ 500	**$ 25,000.00**	$ 285	**$ 14,250.00**	$ 156	**$ 7,800.00**
FORCE MAIN TOTAL					**$ 1,839,650.00**		**$ 1,790,037.00**		**$ 2,118,913.73**
Combined Grand Total					**$ 3,575,250.00**		**$ 3,603,247.00**		**$ 4,202,827.46**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-26) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	4/13/2020
Project Name:	Eng - F5/L2/C1 Force Main Replacement		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	255101 **SANLANDO S**		
		BU Type:	SP
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	Gary Rudkin
Project Manager:	Bryan K. Gongre		
		Region:	Florida 4
Start Date:	4/30/2020 Q2 2020		
		State:	FL
Estimated End Date:	12/31/2021 Q4 2021		
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**194,500**		**194,500**
Still to be Requested:			0
Total Project Budget:	**194,500**	**0**	**194,500**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Design, permit, bid preparation and CEI services for the replacement and rerouting of the following force main segments:

Lift Station C-1 Force Main - Replace 3,100LF of 12" AC pipe from Markham Woods Rd. to the Springs.
Lift Station F-5 Force Main - Reroute the force main through the former Sabal Palm golf course for a distance of 5,400LF.
Lift Station L-2 Force Main - Replace the existing force main through a rear easement to the Wekiva WWTF and connect to a newly installed 24" force main at the southwest corner of the plant site.

Timeline Considerations:

This is a proforma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as proforma.
Construction of the replacement force mains is subject to a review of bid proposals and alignment with the capital plan.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The L-2, F-5 and C-1 force main segments mainly consist of AC and class PVC pipe constructed during the 1970's to 1980's. Based upon their critical nature, age, material and size these assets have been identified as having a high consequence of failure and outlived their service life.

The C-1 force main (12" AC pipe) is a wastewater transmission main that connnects the east side of the Sanlando collection sytem to a point of connection in The Springs subdivision. This force main is the only means of conveyance under I-4. In 2013 and 2018, the Utility decommissioned the Des Pinar and Shadow Hills WWTFs, respectively, on the east side of I-4 after diverting all flow to the Wekiva Plant through the C-1 FM, which necessarily has elevated the criticality of this asset. The new force main will provide a reliable means of conveying wastewater to the plant and thereby maintain the delivery of sewer service to the customers.

The F-5 lift station receives the flow from approximately 40% of the Sanlando system mainly through the C-1 force main. The wastewater is then pumped to the Wekiva WWTF. The force main that leaves the lift station along Sabal Palm Drive consists of 12" PVC class pipe that is undersized causing pipe velocities to exceed 10 fps when both pumps at LS F-5 are running. This bottleneck hydraulically restricts the flow causing an increase in pump run times and total dynamic head conditions. The new force main will consist of PVC and HDPE materials that are sized to remove the bottleneck. Most of the new force main will be relocated to utility easements away from road rights-of-way that will decrease the likelihood of future impacts caused by development or road projects initiated by others.

The L-2 force main is an 8" AC pipe that runs behind several residences through a rear easement to the Wekiva WWTF. This force main lies adjacent to the Wekiva Plant's #1 percolation pond that has failed twice in that area resulting in significant spill events. The new force main will be installed in the same location through the rear easement to the Wekiva Plant property, then rerouted along the westerly fence line to the southwest corner of the plant property where the pipe will be connected to a new 24" force main being constructed under a separate project.

Risk Evaluation

A previous engineering evaluation and hydraulic model of the majority of the Sanlando force main network identified the C-1, F-5 and L-2 force mains as having a very high consequence of failure rating based on pipe age, pipe material type, size, failure history, and criticality.

Alternatives Considered:

The age, size, material type and criticality were used as the justification to replace each of the three force mains. All of the force main segments were modeled under a separate project to determine the optimum sizing and routes. This offered the opportunity to take into consideration alternative pipe routes that improved hydraulics and reduced the impact on lift station pumps, especially during extended wet weather flow conditions.

Technical Review Summary:

Project was reviewed and approved by the CPRT on 5/21/2020 without the need for correction or revsion.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
214285	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	07/28/2020		
238739	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	08/20/2020		
425103	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		407.00
275048	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	09/16/2020	38,000.00	
338030	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	10/22/2020	29,800.00	
427282	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	11/17/2020	25,340.00	
206012	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/01/2020	44,500.00	137,640.00
488135	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	3.07	
492013	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	337.14	
492009	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	623.09	
492007	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	847.33	
488113	Florida-ENG-F5/L2/C1 FORCE MAIN REPLACEMENT	IDC	IDC	2410-330325 Sanlando Utilities Corp S	11/30/2020	1,035.74	1,035.74
							139,082.74

Kimley»Horn

March 19, 2020

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

Re: C-1 Force Main Replacement Proposal
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the designing the replacement 12-inch C-1 force main. The force main will be replaced from the west side of the I-4 crossing to the new force main located in the Springs subdivision.

Project Understanding

The C-1 force main is modeled to be approximately 3,100 feet of 12-inch force main and connect to the 12" force main recently installed in the Springs development. The route runs along an easement from the I-4 right of way to Markham Woods Road. The route continues south along Markham Woods Road and cuts west through another easement to cross a creek to get to the ultimate point of connection. The route along Markham Woods Road is expected to be tight and several soft digs are planned along the route to better define the subsurface conditions. Additionally, a small amount of surveying will be completed to map the bottom of the creek to be able to properly design the creek crossing with sufficient depth.

Scope of Services

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

Task 1 – Route Analysis

This task includes soft digs to positively locate the force main in six locations and to survey the limits and bottom of the creek. No environmental work is included in this task to identify wetland limits as the intent is to directionally drill under any of these areas. The route is preliminarily set, but the discovery of these locations may cause some modification.

Task 2 – Design and Permitting

This task is the preparation of plans and specifications for the selected force main route. A survey of the entire route will not be performed, however. Sanlando GIS, record drawings, and soft dig information will be used to lay out the force main and water main for the construction plans. The plans will be developed in 20 scale. No profiles will be developed.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors. Bid documents will be electronically distributed to bidders. Any questions during the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and

tabulated for consideration.

FDEP force main permitting will be the only required permit for this project.

Task 3 – Construction Services

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

Services Not Included

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

- Geotechnical
- Environmental
- Survey
- Structural
- Electrical

Additional Services

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

Information Provided By Client

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

Fee and Expenses

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

Task 1: Route Analysis	$10,000
Task 2: Design and Permitting	$45,000
Task 3: Construction Services	$12,000
Total Lump Sum Fee	$67,000

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

Closure

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the attached Standard Provisions, which are incorporated by reference. As used in the Standard

Kimley»Horn

Provisions, "Consultant" shall refer to Kimley-Horn and Associates, Inc., and "Client" shall refer to Utilities Inc., of Florida.

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

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

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

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

By: Steve Romano, PE
Sr. Project Manager

Authorized By: Jay Jackson, PE
Title: Principal/Sr. Vice President

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Printed Name: Bryan K. Gongre
Title: Regional Manager

6/25/2020
Date

Attachment – Standard Provisions

Kimley»Horn

February 16, 2020

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

Re: F-5 Force Main Replacement
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the designing a replacement force main from the F-5 master pump station north through the Alexander development to the stub out in the Duke Power Easement.

Project Understanding

The force main system in the Sanlando service area has been modeled to determine a more effective configuration. This configuration includes a new force main from the F-5 master pump station to be constructed along the stormwater easements along the Alexander property. This property was the redevelopment of the old Sabal Point golf course. This route is approximately 5400 linear feet and appears generally clear. However, at the Duke substation there is very little space. As an alternate route, the force main can be rerouted along Sabal Palm Drive where it crosses the easement. This increases the route by approximately 200 linear feet but potentially has fewer conflicts.

Scope of Services

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

Task 1 – Force Main Route Analysis

The existing route runs along Wekiva Springs Road and constitutes the shortest route, however there is little remaining space along Wekiva Springs Road for another pipeline. Therefore, the route north through the Alexander development is more practical. There are a few tight areas through this route but it is generally open. As part of the route analysis Kimley-Horn will review the record drawings of the Alexander development, existing GIS drawings, and up to 10 soft digs along the route to confirm existing piping. A physical review of the route will be completed to confirm the recorded data available.

Task 2 – Design and Permitting

This task is the preparation of plans and specifications for the selected raw water main route. A survey of the route will not be performed. Sanlando GIS, record drawings, and soft dig information will be used to lay out the force main for the construction plans. The plans will be developed in 20 scale. Profiles will be required for road crossings.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors. Bid documents will be electronically distributed to bidders. Any questions during

the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and tabulated for consideration.

FDEP permitting will be required for this project for the force main route. The route will also be coordinated with Duke Energy to construct the pipeline in the power easement. Duke has specific design requirements which will need to be complied with within the plans. A right of way utilization permit will be required by Seminole County and we will assist the selected contractor as needed.

Task 3 – Construction Services

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

Services Not Included

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

- Geotechnical
- Survey
- Structural
- Electrical

Additional Services

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

Information Provided By Client

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

Fee and Expenses

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

Task 1 Force Main Route Analysis	$12,000
Task 2: Design and Permitting	$53,000
Task 3: Construction Services	$15,000
Total Lump Sum Fee	$80,000

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

Kimley»Horn

Closure

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

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

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

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

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

By: Steve Romano, PE
Sr. Project Manager

Authorized By: JAY JACKSON, PE
Title: SR VP

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Printed Name: Bryan Gongre
Title: Regional Manager

6/25/2020
Date

Attachment – Standard Provisions

Kimley»Horn

February 16, 2020

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

Re: L-2 Force Main Replacement
Sanlando Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the designing a replacement force main from the Wheatland lift station to the connection point on the Wekiva WRF site.

Project Understanding

The L-2 force main is modeled to be an 8-inch force main and connect to the 24" force main under design at the southwest corner of the treatment plant site. The route runs along a rear property easement until it reaches the treatment facility. The route is expected to be largely open for construction, however a new sidewalk will need to be placed in the route that is outside of the treatment facility limits.

Scope of Services

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

Task 1 – Route Analysis

This task includes soft digs to positively locate the force main in three locations The route is preliminarily set, but the discovery of these locations may cause some modification.

Task 2 – Design and Permitting

This task is the preparation of plans and specifications for the selected route. A survey of the route will not be performed. Sanlando GIS, record drawings, and soft dig information will be used to lay out the force main for the construction plans. The plans will be developed in 20 scale. No profiles will be developed.

Technical specifications and bidding documents will be prepared. A private bid will be solicited from at least three contractors. Bid documents will be electronically distributed to bidders. Any questions during the bidding period will be addressed as needed. Bids will be received electronically, reviewed, and tabulated for consideration.

FDEP force main permitting will be the only required permits for this project.

Kimley»Horn

Task 3 – Construction Services

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

Services Not Included

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

- Geotechnical
- Survey
- Structural
- Electrical

Additional Services

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

Information Provided By Client

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

Fee and Expenses

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

Task 1 Force Main Route Analysis	$3,000
Task 2: Design and Permitting	$30,000
Task 3: Construction Services	$5,500
Total Lump Sum Fee	$38,500

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

Closure

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

Kimley»Horn

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

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

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

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

By: Steve Romano, PE
Sr. Project Manager

Authorized By: Jay Jackson, PE
Title: SR VP

AUTHORIZED BY:

UTILITIES INC., OF FLORIDA

Printed Name: Bryan Gongre
Title: Regional Manager

6/25/2020
Date

Attachment – Standard Provisions

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-27) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020107
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	5/15/2020
Project Name:	Sanlando I&I Deficiency Corrections Ph 4		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	255101 **SANLANDO S**		
Project Owner:	Patrick C. Flynn	**BU Type:**	SP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	6/1/2020 Q2 2020	**Region:**	Florida 4
Estimated End Date:	10/30/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:		75,000	75,000
This Request:		**1,921,092**	**1,921,092**
Still to be Requested:			0
Total Project Budget:	**0**	**1,996,092**	**1,996,092**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

1. CIPP lining of 24,319LF of 8" VCP GSM pipe
2. Install 62LF of sectional CIPP liners
3. Restoration of 5 manholes and raise 17 manhole ring and covers
4. Reinstate 176 each - 6" service laterals
5. Remove roots and treat within 5,652LF of GSM
6. Excavate, repair and restore sections of GSM in 9 locations within the collection basins

Timeline Considerations:

This is a pro forma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as proforma.

Inter-dependent Project Project Number: 2018117 Project Name Sanlando I_I Invest Ph 4 (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Sanlando service area provides sanitary sewer service to approximately 10,250 connections through a network of approximately 490,000 LF of gravity collection mains. A vast majority of the gravity collection system was constructed in the 1970's and consists of a combination of vetrified clay pipe (VCP) and PVC. The WW flows are received and treated at the Wekiva WWTF. The Wekiva WWTF is rated at 2.9 MGD with an average daily flow of 2.3 MGD. As a result of wet weather conditions in 2019, the Wekiva facility treated in excess of 3.5 MGD that was sustained over months. This condition continues to be the driver for the ongoing investigation of the collection system to determine where excess inflow/infiltration occurs. This is the fourth phase of such work. The phase 1 study focused on the areas where receiving lift stations were not repumping from upsteam stations and possibly skewing the run times. The deficiencies identified in the phase 1 study were corrected and run times at the stations were cut in half. The phase 2 study and corresponding corrections addressed the areas served by lift stations with elevated run times downsteam of stations within the phase 1 project and again resulted in a 50% reduction in lift station run times. Phase 3 focused on the Longwood Groves subdivision collection system with similar success.

The phase 4 investigation involved a condition asessment of approximately 94,000 LF of GSM. In order to further reduce the infiltration of groundwater into the collection system the deficiencies identified in the study must be addressed through a combination of CIPP lining and excavation and replacment. Doing so will reduce operating expense in the form of electric and chemical cost reductions, reduced wear and tear on equipment, improvements in treatment efficiencies, and extension of the service life of collection system components by restoring the integrity of gravity mains and manholes. The amount of annual operating expense savings is not calculable at this time as the quantity of infiltration is not readily measurable and is based upon seasonal groundwater tables that vary according to weather patterns.

Risk Evaluation

This project will repair damaged gravity sewer mains that if not addressed, would continue to be sources of significant I&I that elevate treatment costs. Excess I&I will likely trigger adjustments to annual operating expenses for purchased power and chemicals in Sanlando in the upcoming rate case. As well, the vast majority of the collection system is located in road rights-of-way where a catastrophic failure of a gravity main could lead to the collapse of a paved roadway that would likely result in significant unplanned excavation, repair and restoration costs.

Alternatives Considered:

Recovery of this investment is timely not only from a rate making perspective but also due to the condition of the aging infrastructure and the need to address the many failures throughout the collection system thereby reducing O&M and extending the life of the assets. The longer these conditions exist the worse they will become eventually leading to collapse and complete failure. There are two components to this project. CIPP lining/root removal/manhole rehabilitation and excavate/repair activity. The lining and excavation were bid out separately. Three vendors bid the lining/rehab portion and three vendors bid the excavation/replacement work. This was necessary as most lining/rehab companies do not perfom excavation services and those that do would skew the lining costs provided by the vendors that do not perform excavation services. The manhole segments were evaluated by degree of severity using a scale of high to low priority. A high priority was given those segments with visual signs of infiltration, multiple fractures, voids, etc. A lesser ranking of low was given to segments with multiple hair line cracks and no obvious signs of infiltration staining. To take advantage of economies of scale, as the budget allowed, segments that either ranked high, medium or low were included under this project . Also, although not yet evaluated, is the possibility of a cost reduction by lining an entire segment as oppposed to the cost to install a short liner. Short liner costs are significantly higher as compared to LF cost to line an entire segment. This will be fleshed out prior to going to contract with the selected vendor.

Technical Review Summary:

Project was presented to and approved by the CPRT on 6/11/20 without the need for revisions.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
119928	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	06/15/2020		
210736	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	07/31/2020		
313185	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
313180	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
313176	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	09/18/2020		
345984	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	09/21/2020		
345936	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
365218	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/08/2020		
365220	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/12/2020		
380119	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/19/2020		
376436	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
376431	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/26/2020		
380125	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/28/2020		
376483	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
376480	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
420468	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
420523	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/04/2020		
420518	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/05/2020		
422603	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/05/2020		
420517	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/06/2020		
422658	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		
419031	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		
470598	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
470644	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
470646	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
422655	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
422651	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
422553	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/12/2020		
420526	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/13/2020		
473470	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/17/2020		
473145	Florida-SANLANDO I&I DEFICIENCY CORREC	Captime	Captime	2410-330010 State of FL Cost Center	11/19/2020		1,955.00
64490	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	05/31/2020	559.91	
152026	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2020	0.79	
152027	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2020	559.91	
195176	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2020	0.79	
195177	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2020	559.91	
258083	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2020	1.14	
258118	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2020	559.91	
357025	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2020	2.18	
357027	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2020	559.91	
391137	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2020	8.27	
391147	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2020	2,935.48	
488127	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	14.71	
488123	Florida-SANLANDO I&I DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	8,845.85	14,608.76
63731	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	05/31/2020	2,475.00	
63729	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	05/31/2020	5,342.50	
63730	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	05/31/2020	800.00	
63732	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	05/31/2020	2,875.00	
63786	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	05/31/2020	62,913.73	
330115	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	10/01/2020	58,215.18	
358069	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	10/27/2020	257,475.00	
428047	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	11/02/2020	92,116.06	
450024	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	11/25/2020	693,316.10	
461231	Florida-SANLANDO I&I DEFICIENCY CORREC	Labor/Installation	Labor/Installation	2410-330325 Sanlando Utilities Corp S	12/01/2020	139,288.74	1,314,817.31
							1,331,381.07

3043813
PO 334155
Repl. 348971

APPLICATION AND CERTIFICATE FOR PAYMENT — **AIA DOCUMENT G702 SUBSTITUTE**

TO: UTILITIES INC OF FL
200 WEATHERSFIELD AVE
ALTAMONTE SPRINGS, FL

FROM:
TRAVERSE GROUP INC
PO BOX 121754
CLERMONT, FL. 34712

Distribution To:
Application Date: 2.3.2020
Application No.: 1
Period to:

PROJECT: 310 BRIXAM CLOSE EMERGENCY SEWER REPAIR

Contract Date:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet with schedule of values is attached.

CHANGE ORDER SUMMARY:

NO.	ADD	Deduct
	$0.00	$0.00
TOTAL		$0.00

The present status of the account for this Contract is as follows:

ORIGINAL CONTRACT SUM	$62,913.73
NET CHANGE BY CHANGE ORDERS	0.00
CONTRACT SUM TO DATE	$62,913.73
TOTAL COMPLETED & STORED TO DATE	$62,913.73
RETAINAGE @ 10%	0.00
TOTAL EARNED LESS RETAINAGE	$62,913.73
LESS PREVIOUS CERTIFICATES FOR PAYMENT	0.00
CURRENT PAYMENT DUE	$62,913.73

The undersigned Contractor certifies that to the best of his knowledge, information and belief the Work covered by this application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid by him for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor: TRAVERSE GROUP INC

BY: Alicia Roehn 2.3.2020

CONTINUATION SHEET
Schedule of Values Application and Certificate for Payment,containing Contractor's signed Certification is attached.
In tabulations below, amounts are stated to the nearest dollar.

UTILITIES INC OF FL
200 WEATHERSFIELD AVE
ALTAMONTE SPRINGS, FL

Application Date: 2.3.2020
Application No.: 1
Period To:

PROJECT: 310 BRIXAM CLOSE EMERGENCY SEWER REPAIR

A	B	C	D	E	F	G		H
			WORK COMPLETED			TOTAL COMPL. & STORED		
				THIS APPLICATION				
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	PREVIOUS APPLICATIONS	WORK IN PLACE	10% RETAINAGE	TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)
1.1	MOBILIZATION	19,500.00	0.00	19,500.00	0.00	19,500.00	100%	0.00
1.2	DEWATER	8,788.73	0.00	8,788.73	0.00	8,788.73	100%	0.00
1.3	EXCAVATE AND REMOVALS	9,500.00	0.00	9,500.00	0.00	9,500.00	100%	0.00
1.4	CONCRETE AND TREE REMOVAL	2,500.00	0.00	2,500.00	0.00	2,500.00	100%	0.00
1.5	REPLACE 10" CLAY SEWER SERVICE	12,250.00	0.00	12,250.00	0.00	12,250.00	100%	0.00
1.6	RING AND COVER/MANHOLE REPAIR	1,250.00	0.00	1,250.00	0.00	1,250.00	100%	0.00
1.7	10" MAXI ADAPTERS	1,200.00	0.00	1,200.00	0.00	1,200.00	100%	0.00
1.8	#57 STONE	1,575.00	0.00	1,575.00	0.00	1,575.00	100%	0.00
1.9	4' CONCRETE SIDEWALK	1,700.00	0.00	1,700.00	0.00	1,700.00	100%	0.00
1.10	ST AUGUSTINE SOD	3,000.00	0.00	3,000.00	0.00	3,000.00	100%	0.00
1.11	FILL	900.00	0.00	900.00	0.00	900.00	100%	0.00
1.12	FINAL DRESS	750.00	0.00	750.00	0.00	750.00	100%	0.00
	TOTALS	$62,913.73	$0.00	$62,913.73	0.00	$62,913.73		$0.00

Brownies Septic and Plumbing, LLC
4949 N Orange Blossom Trl
Orlando, FL 32810

Phone: (407) 841-4321
Fax: (407) 872-0848
info@callbrownies.com
www.callbrownies.com

Bill to
Utilities Inc. 1016351
Attn Accounts Payable
500 W Monroe St Ste:3600
Chicago IL 60661-3779

PO# ~~333981~~ 333986

Ship to
Utilities Inc.00006
125 Western Fork
Longwood FL 32750

Work Order #: 345820

Transaction Date: 1/17/2020

Terms: Net 30

Customer PO #: TBD

Invoice I40315

Item	Description	Quantity	Price	Amount
Vactor Sanitary Lines	Jetted sanitary sewer lines full of Sand	1	$2,875.00	$2,875.00

On site w/ vactor to prevent SSO during initial repair south toward Brixham
Also some cleaning on the Bristol side.

Subtotal:	$2,875.00
Total:	$2,875.00
Payments:	$0.00
Balance Due:	$2,875.00

A $25 late fee and 1.5 % Finance Charge per month will be added to any invoice over 30 days plus a one time $35 Admin fee

NOTICE TO PROCEED FORM

TO: Traverse Group, Inc.
P.O. Box 121754
Clermont, FL 34712

DATE: July 20, 2020

PROJECT: Sanlando I&I Deficiency Corrections Phase 4

You are hereby notified to commence WORK in accordance with the Agreement dated 7/20/2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 160 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is December 27, 2020. The date of Final completion is January 26, 2021.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

By (Signature)

Bryan K. Gongre, Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by Alicia Roehn this 23 day of July 2020, ____.

By

Alicia Roehn ~~MM~~ Corporate Secretary
Printed Name and Title

END OF SECTION

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 20th day of July, 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Traverse Group, Inc., doing business as a Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Contractor's Bid, Notice to Proceed, any technical specifications, Change Orders, Work Change Directives and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Sanlando I&I Deficiency Corrections Phase 4

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 160 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of One million one hundred eighty-seven thousand three dollars and zero cents ($1,187,003.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

Traverse Group Inc.
Name of Firm

By (Signature) (SEAL)

Alicia Boehn- Corporate Secretary
Printed Name and Title

ATTEST:

By (Signature)

Stephen Shafer- MM
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner's Representative

By (Signature) (SEAL)

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

ATTEST:

By (Signature)

Jacqueline Sillitoe Admin
Printed Name and Title

END OF SECTION

NAME OF PROJECT: Sanlando I&I Deficiency Corrections Phase 4

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 22nd day of July, 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Atlantic Pipe Services, LLC, doing business as a Limited Liability Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Contractor's Bid, Notice to Proceed, any technical specifications, Change Orders, Work Change Directives and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Sanlando I&I Deficiency Corrections Phase 4

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 252 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of Seven hundred thirty-four thousand six hundred eighty-two dollars and zero cents ($734,682.00).
Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

ATLANTIC PIPE SERVICES, LLC
Name of Firm

Allan Cagle
By (Signature) (SEAL)

ALLAN CAGLE - PRESIDENT
Printed Name and Title

ATTEST:

By (Signature)

BRANDON DUNCAN - Business Development Manager
Printed Name and Title

OWNER:

Utilities, Inc. Florida
Name of Owner's Representative

By (Signature) (SEAL)

Bryan K. Gongre, Regional Manager
Printed Name and Title

ATTEST:

By (Signature)

Jacquee Chandler, Administrative Assistant
Printed Name and Title

END OF SECTION

NAME OF PROJECT: Sanlando I&I Deficiency Corrections Phase 4

NOTICE TO PROCEED FORM

TO: Atlantic Pipe Services, LLC
1420 Martin Luther King Jr. Blvd
Sanford, FL 32773

DATE: July 22, 2020

PROJECT: Sanlando I&I Deficiency Corrections Phase 4

You are hereby notified to commence WORK in accordance with the Agreement dated 7/22/2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 252 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is March 31, 2021. The date of Final completion is April 30, 2021.

ISSUED BY: Utilities, Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre, Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by ALLAN CAGLE this 22ND day of JULY, 2020.

Allan Cagle
By

ALLAN CAGLE - PRESIDENT
Printed Name and Title

END OF SECTION

SANLANDO I&I DEFICIENCY CORRECTIONS PHASE 4	
LINING BID TABULATION	
INSITUFORM	$825,244.90
VORTEX	$898,823.00
ATLANTIC PIPE SERVICES	$734,681.30

SANLANDO I&I DEFICIENCY CORRECTIONS PHASE 4	
DIG AND BID TABULATION	
TRISURE CORPORATION	$2,690,000.00
TRAVERSE GROUP	$2,393,373.10
BOYKIN CONSTRUCTION	$2,750,032.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-28) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	6/15/2020
Project Name:	EE Williamson Utility Relocations			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	255103	**SANLANDO C**		
Project Owner:	Patrick C. Flynn		**BU Type:**	Combined
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	Gary Rudkin
Start Date:	6/30/2020	Q2 2020	**Region:**	Florida 4
Estimated End Date:	12/31/2021	Q4 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**20,675**	**423,351**	**444,026**
Still to be Requested:			0
Total Project Budget:	**20,675**	**423,351**	**444,026**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Remove and relocate approximately 840LF of 6" PVC water main, 82LF of 10" force main and 225LF of 4" force main using various fittings via open cut construction that are in conflict with Seminole County's design plans to construct a recreational trail and storm water improvements along EE Williamson Road.

Timeline Considerations:

This project is a pro forma project included in the Utility's 2020 rate filing that must be completed within 24 months following the 2019 test year. Work within the right-of-way will need to be completed before or during the County's Trail and Stormwater Improvements project.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? Yes Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Our facilities are located within the Seminole County right-of-way and as such must be relocated under the terms and conditions of the existing right-of-way permit. Seminole County requires facilities that are no longer in service to be removed from the right-of-way.

Risk Evaluation

The existing water main and force main is within the Seminole County's right-of-way and subject to the conditions of the County's permit conditions. Refusal to relocate and remove the pipe would mean receiving a notice issued by Seminole County to vacate the right-of-way.

Alternatives Considered:

This project will be performed using open cut construction. With existing facilities required to remain in service then removed and the pipe segments being relatively short, directional drilling could not be accomplished .

Technical Review Summary:

Project was presented to the CPRT on 6/18/20 and was approved with no need for revisions or corrections.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
308936	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	09/11/2020		
308933	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	09/11/2020		
214283	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	07/31/2020		
349564	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	09/29/2020		
425102	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		
210687	Florida-EE WILLIAMSON UTILITY RELOCATIONS	Captime	Captime	2410-330010 State of FL Cost Center	08/07/2020		439.00

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

February 15, 2019

Mr. Bryan Gongre
Regional Manager
Utilities Inc. of Florida (UIF)
200 Weathersfield Ave.
Altamonte Springs, FL 32714

RE: EE Williamson Water Main Relocations

Dear Bryan:

We are pleased to submit this proposal to provide professional engineering services associated with the design and limited post design services for the referenced project.

Plans and Specifications (Total Lump Sum: $19,500.00)

CPH shall obtain FDOT Plan files for preparing relocation plans for conflicts between your existing utilities and FDOT improvements within the FDOT Bridge project along EE Williamson Road. Drawings shall include cover sheet, general notes, plan, profile, and details in an acceptable format for FDOT. Project specifications and cost estimates shall also be provided. CPH has included time for FDOT plan review and coordination efforts to ensure the plans and specifications are accepted by the FDOT. CPH shall provide any responses to bid questions during the FDOT bidding process. Deliverables shall include electronically signed and sealed plans, specifications, and cost estimates.

Post Design Services (Total Lump Sum: $8,500.00)

CPH will provide limited post design services which include attendance at the FDOT Preconstruction Meeting, up to 3 site visits (and/or meetings), RFI's, shop drawings, and record drawings.

If there any questions please let me know.

Supplementary Services

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

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

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

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

Environmental and geotechnical services *are not included* in this scope. Additional survey services such as topographic easement acquisitions, sketch and descriptions, utility locates, and other survey tasks not defined herein *are not included* in this scope of services. Community notification coordination is not included. CPH can provide any level of these services as requested by UIF.

Payment

The engineering design fee for the services, described herein is estimated to be a lump sum payment of $19,500.00 for design and $8,500.00 and for needed construction observation services. The total lump sum fee is $28,000.00.

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

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

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

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

If you have any questions please call me.

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

ACCEPTED BY:
Utilities Inc. of Florida

Bryan X. [illegible], Reg. Mgr. **Date:** 2/18/2018

AGREEMENT FORM

PART 1 GENERAL

1.01 THIS AGREEMENT, made this 10th day of August, 2020, by and between Utilities Inc. of Florida, hereinafter called the Owner, and Central Florida Tapping & Construction Services, Inc., doing business as a Corporation and hereinafter called the Contractor.

1.02 The Owner and Contractor agree as follows:

A. Contract Documents

The Contract Documents include the Agreement, Contractor's Bid, Notice to Proceed, any technical specifications, Change Orders, Work Change Directives and Field Orders issued on or after the Effective Date of this Agreement. These form the Contract and all are as fully a part of the Contract as if attached to this Agreement or repeated herein.

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the EE Williamson Utility Relocations

C. Contract Time

The Contractor shall begin work within 10 days after the issuance of a written Notice to Proceed and shall substantially complete the work within 180 calendar days from the date of the Notice to Proceed. The work shall be finally complete, ready for Final Payment within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of Four hundred twenty-three thousand three hundred fifty-one dollars and zero cents ($423,351.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

Central Florida Tapping & Construction Services, Inc.
Name of Firm

Richard E Bullington
By (Signature)

(SEAL)

Richard E. Bullington
Printed Name and Title

ATTEST:

By (Signature)

Vinson Gammage Ops Manager
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner's Representative

By (Signature)

(SEAL)

Bryan K. Gongre, Regional Manager
Printed Name and Title

ATTEST:

By (Signature)

Susan M. D. Pasquale
Printed Name and Title

END OF SECTION

NAME OF PROJECT: EE Williamson Utility Relocations

EE WILLIAMSON UTILITY RELOCATIONS	
BID TABULATION	
TRISURE CORPORATION	$477,500.00
TRAVERSE GROUP	$469,137.30
CFT	$423,351.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-29) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020137
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	6/22/2020
Project Name:	Sanlando LS Mechanical Rehabilitation		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330325.15
Business Unit:	255101 **SANLANDO UTILITIES CORP S**	**CO #:**	255
Project Owner:	Patrick C. Flynn	**BU Type:**	SP
Project Manager:	Bryan K. Gongre	**Budget Owner / RP:**	Gary Rudkin
Start Date:	7/6/2020 Q3 2020	**Region:**	Florida 04
Estimated End Date:	11/30/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes	Project Type: *(Select one-->)*	EH&S Compliance 006
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**510,040**	**510,040**
Still to be Requested:			0
Total Project Budget:	**0**	**510,040**	**510,040**

Description:

Replace twelve (12) control panels - A-8, A-9, A-10, A-11, C-9, C-11, C-12, C-14, C-15, N-1, LW-11 and LW-13
Replace the pedestals, pump chairs,and risers to the valve vault at seven (7) stations - L-6, L-4, H-4, H-6, C-2, C-8, A-6
Replace the riser pipes from the pump chair to the valve vault at one (1) station - M-9
Replace check valves, plug valves and piping in the valve vault at one (1) station - C-8
Replace plug valves in valve vault at one (1) station - H-4
Replace valve vault lid at one (1) station - A-6
Replace wet well lid at two (2) stations - C-2, C-6
Reset top section of valve vault at one (1) station - C-6
Remove wet well check valves and install new check valves in new valve vault at one (1) station - LW-3
Install valve vault and replace three (3) plug valves at one (1) station - LW-7

Timeline Considerations:

This project is a pro forma project included in the Utility's 2020 rate filing that must be completed within 24 months following the 2019 test year.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The majority of the lift stations being rehabilitated under this project were originally constructed forty years ago. Under the Asset Management plan an inspection was performed to determine the current condition of each station's components. Deficiencies were found within control panels and amongst the mechanical components that have effectively outlived their useful service life. Replacing these components will improve operational reliability of the stations and extend the life of the parent asset.

Risk Evaluation

The items to be replaced are subject to failure that could create an environmental impact as a result of a Sanitary Sewer Overflow/Spill (SSO).

Alternatives Considered:

The work could be accomplished as each component failed but this would be counter to the Asset Manintenance and Replacement programmed approach.

A do nothing approach would elevate the risk and likelihood of an SSO event.

Technical Review Summary:

Project was presented to the CPRT on 6/25/2020 without the need for revsion or redirection.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
210689	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	08/06/2020		
238743	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	08/17/2020		
313118	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/09/2020		
310220	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
314214	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
310217	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
314210	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/15/2020		
310272	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
347513	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	09/22/2020		
365225	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/05/2020		
365223	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/06/2020		
365265	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/07/2020		
362338	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/07/2020		
365216	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/08/2020		
365221	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/12/2020		
362337	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/12/2020		
365214	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/13/2020		
360413	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/13/2020		
365259	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/14/2020		
360450	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/14/2020		
362716	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/14/2020		
365255	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
360368	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
360369	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
360371	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
362339	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
387262	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020	-46.24	
360364	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/16/2020		
360365	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/16/2020		
387261	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/16/2020	-92.48	
380116	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/19/2020		
374824	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/19/2020		
380115	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/20/2020		
374821	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/21/2020		
379309	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/21/2020		
380067	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
374971	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/23/2020		
380126	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/23/2020		
374969	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/26/2020		
379313	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/26/2020		
374819	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/27/2020		
380069	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/27/2020		
374811	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
379306	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
376482	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
374808	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
374964	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
374806	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
374807	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
380120	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020		
387263	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	10/30/2020	-138.72	
420469	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
422605	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
425059	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		
420515	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
422657	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		
470599	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
470600	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
470595	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
422652	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
422607	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/11/2020		
473473	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/16/2020		
473471	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/17/2020		
473459	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
473545	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
471373	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
473147	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
473917	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
473997	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/19/2020		
474764	Florida-SANLANDO LS MECHANICAL REHABILITATION	Captime	Captime	2410-330010 State of FL Cost Center	11/20/2020		
328007	Florida-SANLANDO LS MECHANICAL REHABILITATION	Construction	Construction	2410-330325 Sanlando Utilities Corp S	10/13/2020	72,284.00	
427914	Florida-SANLANDO LS MECHANICAL REHABILITATION	Construction	Construction	2410-330325 Sanlando Utilities Corp S	11/19/2020	231,925.00	304,209.00
492004	Florida-SANLANDO LS MECHANICAL REHABILITATION	IDC	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	579.60	
488120	Florida-SANLANDO LS MECHANICAL REHABILITATION	IDC	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	2,289.17	
488128	Florida-SANLANDO LS MECHANICAL REHABILITATION	IDC	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2020	51.59	2,920.36

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Unit Price Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order and subject to actual constructed quantities; the Total Contract Price of Four hundred sixty-five thousand nine hundred fifty dollars and zero cents ($465,950.00). Payments will be made to the Contractor on the basis of the Schedule of Unit Prices included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein.

F. Payments

The Owner will make payments subject to actual constructed quantities.

G. Retainage

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

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

CONTRACTOR:

Central Florida Liftstations
Name of Firm

By (Signature)

(SEAL)

Scott Gingerich President
Printed Name and Title

ATTEST:

By (Signature)

Notary Public State of Florida
Frederick J Fisher
My Commission GG 268036
Expires 10/16/2022

Frederick Fisher project Manager
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner's Representative

By (Signature)

(SEAL)

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

ATTEST:

By (Signature)

Jacqueline Sillitoe, Admin
Printed Name and Title

END OF SECTION

NAME OF PROJECT: Sanlando Lift Station Mechanical Rehabilitation

NOTICE TO PROCEED FORM

TO: Central Florida Liftstations, Inc.
P.O. Box 740179
Orange City, FL 32774

DATE: July 24, 2020

PROJECT: Sanlando Lift Station Mechanical Rehabilitation

You are hereby notified to commence WORK in accordance with the Agreement dated 7/24/2020. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 174 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is January 31, 2021. The date of Final completion is March 2, 2021.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre, Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by Scott Gingerich this 27 day of July, 2020

Scott Gingerich
By

Scott Gingerich President
Printed Name and Title

END OF SECTION

SANLANDO LS MECHANICAL REHAB	
BID TABULATION	
CENTRAL FLORIDA LIFT STATIONS	**$432,850.00**
DANUS UTILITIES	**$453,580.00**
UTILITY TECHNICIANS	**$500,420.32**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-30) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019088
Requested by:	Nate Carver *Project Manager / Area Manager*	**Date:**	8/14/2019
Project Name:	Sanlando CIP Analysis/Modeling		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	255101 **SANLANDO S**		
		BU Type:	SP
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	John Hoy
Project Manager:	Nate Carver		
		Region:	Florida 4
Start Date:	5/24/2019 Q2 2019		
		State:	FL
Estimated End Date:	2/1/2020 Q1 2020		
Primarily Like-For-Like Asset Replacment?	No		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:	83,500		83,500
This Request:		**14,780**	**14,780**
Still to be Requested:			0
Total Project Budget:	**83,500**	**14,780**	**98,280**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project combines two separate engineering tasks that align in scope and coordination.

1) **Five-Year Capital Plan for Infrastructure Renewal**. Data accumulated through Florida's Asset Management Program (AMP) is used to make capital investment decisions that are designed to extend the useful life of existing assets, to reduce the consequence of asset failure, and to replace aging infrastructure most subject to failure. The data included in the AMP is used to identify the elements of the system most subject to failure. A desktop analysis of the infrastructure will be performed to provide priority scoring of proposed improvements. These improvements will be prioritized over a five-year period according to this score. Scoring is based on age, materials of construction, and potential impacts of failure. This engineering effort has been completed and a Risk Assessment Prioritization "Heat Map' has been established resulting in 98,800 LF of Force Main being identified as Tier 1 on the heat map with a large percentage of that pipe located in the Sanlando service area.

2) **Sanlando Force Main Modeling.** The Sanlando service area has a complex sanitary sewer collection network which contains a large amount of aging pipe, manholes, lift stations and associated components. Critical to the effecient operation of this network are the lift stations and force mains conveying the wastewater to the Wekiva treatment facility. As the aging infrastructure nears the end of its predicted service life the system as a whole needs to be evaluated to determine the most efficient means of operation. Specific consideration will be placed on the routing, size and pipe material of replacement force main; significant lengths of FM were constructed in rear easements, were constructed of AC or Class PVC pipe, have failed from time to time causing SSO's and incurred unbudgeted repairs or replacements. Relocating and/or redesigning the FM network must be done in concert with the operating characteristics of the lift stations. Importantly, a large amount of operational data have been collected that can be used to better predict use patterns and more efficiently size pumps and force mains.

Budget Adjustment. The Sanlando Force Main Modeling effort requires lift station draw downs to be performed with pressure readings of the force main. Thirteen lift stations have been identified that require taps and or additonal components needed in order to install the pressure gauges. An additonal $14,780.00 is requested to equip pressure gauges to the identified force mains.

Timeline Considerations:

With the Five-Year CIP being completed, the modeling effort will be 120 days.

Inter-dependant Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Data accumulated from the Florida Asset Management Program identified a need for an evaluation of Florida's aging infrastructure. Analysis identified 98,800 LF of FM that is coming to the end of it useful life and thus poses a risk of failure. Due to the complexity of the Sanlando collection system's network of force mains, their size, location, material, flow rates and other factors, force main modeling is warranted to identify the most effecient routing of replacement force main segments as well as potentially identifying opportunities to improve pumping efficiencies that will reduce energy use.

Risk Evaluation

Risk analysis is based on probability of failure (likelihood of an asset to fail) and consequence of failure (the magnitude of the potential consequences). The primary criteria used for project prioritization were the following:

- Probability of failure
  - Useful life remaining
  - Material
- Consequence of failure
  - Criticality/importance (determined by type of asset)
  - Size (large diameter)

Alternatives Considered:

Do nothing- Infrastructure replacements could be done on a as needed basis based on failure. This method could result in environmental compliance and enforcement actions. It could also lead to non-budgeted financial impacts due to not knowing in advance which assets will fail and the cost to address those failures.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
34061	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/13/2019	90.36	
34062	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/13/2019	361.44	
34063	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/13/2019	361.44	
34064	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/13/2019	90.36	
34054	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	158.13	
34055	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	158.13	
34056	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	135.54	
34058	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	361.44	
34059	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	361.44	
34060	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	90.36	
34977	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	22.59	
34057	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	203.31	
34053	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	100.00	
34973	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	45.18	
34974	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	45.18	
34975	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	22.59	
34976	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	22.59	
34978	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	22.59	
34979	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/15/2019	45.18	
34069	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/27/2019	67.77	
34065	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/27/2019	67.77	
34067	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/27/2019	112.95	
34068	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/27/2019	45.18	
34066	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/27/2019	67.77	
34112	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	45.18	
34070	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	180.72	
34107	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	45.18	
34108	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	67.77	
34109	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	45.18	
34110	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	187.00	
34111	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	45.18	
34113	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	08/31/2019	45.18	
38376	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	203.31	
38416	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	361.44	
38417	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	45.18	
38377	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	67.77	
38378	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	225.90	
38379	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/10/2019	67.77	
38419	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/15/2019	203.31	
38420	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/15/2019	45.18	
38418	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	09/15/2019	67.77	
44238	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	10/15/2019	187.00	
44239	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	10/15/2019	45.18	
44276	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	10/15/2019	45.18	
45576	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/15/2019	45.18	
45577	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/15/2019	45.18	
45549	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/15/2019	45.18	
45418	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	11/19/2019	45.18	
152040	UIF CIP ANALYSIS/MODELING	Captime	Captime	2410-330325 Sanlando Utilities Corp S	06/30/2020	41.13	5,507.52
31688	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	07/23/2019	7,400.00	
34972	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	08/14/2019	3,700.00	
38375	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	09/10/2019	3,700.00	
45607	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	11/05/2019	7,400.00	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
47799	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/10/2019	7,400.00	
48172	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2019	13,950.00	
48173	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2019	9,300.00	
48174	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2019	9,300.00	
48175	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	12/31/2019	13,950.00	
53139	UIF CIP ANALYSIS/MODELING	Engineering	Engineering	2410-330325 Sanlando Utilities Corp S	03/12/2020	7,400.00	83,500.00
152041	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	06/30/2020	628.34	
31687	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	07/31/2019	55.69	
34935	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	08/31/2019	111.53	
38374	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	09/30/2019	149.06	
42745	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	10/31/2019	151.14	
96038	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2019	-208.19	
94739	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2019	208.19	
45437	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	11/30/2019	208.19	
47798	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	12/31/2019	613.79	
49354	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	01/31/2020	613.79	
50002	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	02/29/2020	613.79	
53431	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	03/31/2020	669.47	
54940	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	04/30/2020	669.47	
63925	UIF CIP ANALYSIS/MODELING	Interest During Construction	Interest During Construction	2410-330325 Sanlando Utilities Corp S	05/31/2020	669.47	5,153.73
							94,161.25

Kimley»Horn

April 10, 2018

Mr. Nate Carver, Asset Manager
Utilities Inc., of Florida
200 Weathersfield Ave.
Altamonte Springs, FL 32714

Re: Sanlando Force Main Modeling
Sanlando Service Area

Dear Nate:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing engineering services related to modeling of the force main system directly connected to the wastewater facility.

Project Understanding

The Sanlando service area has an intricate sanitary sewer collection network which has a large degree of aging infrastructure. Critical to the efficient operation of this network are the lift stations and force mains conveying the wastewater to the treatment facility. As the aging infrastructure becomes in need of replacement, the system as a whole needs to be evaluated to determine the most efficient operating configuration. Specific considerations should be placed on the routing of the force main replacements as much of the original infrastructure was placed in rear easements by the original developer. Revising the routes can have implications on the lift stations connected to them. Importantly, the system has been in place long enough to have historical data which can be used to better predict use patterns and more efficiently size the pumps and pipeline. This ideally will provide a future condition which lowers operations and maintenance costs. The modeling efforts requested for this scope is intended to provide a road map for future replacement of aging infrastructure which will provide a more efficient system with a longer operating life.

Scope of Services

Modeling – The wastewater system shall be modeled using Bentley's SewerCAD software. This software will integrate the Client's existing GIS mapping system into the hydraulic model. The model will be developed using this infrastructure as a base. This effort includes a verification of nodal connectivity after conversion into SewerCAD. Additionally, a verification of the ground elevation data will be performed comparing a contour map of the model nodes with a contour map of the existing ground surface as provided through Seminole County or other online databases. Breaks in the data will be corrected to provide continuity within the model. A verification of the GIS database values for size and material of the pipelines will also be conducted in conjunction with a total valve check of the system. The data provided will be

assumed to be correct at the outset of the effort and the check will be broadly for connectivity and use.

The wastewater model primarily will be completed for the lift station and force main transmission system. The gravity system will not be modeled unless there are gravity runs which collect flow from force mains for conveyance to another lift station for repumping.

The following data will need to be provided for the remainder of the model to be constructed:

- Lift station data:
  - Pump curves
  - Wet well diameters
  - Operating depth ranges (float or level controls)
  - Drawdown tests
  - Run time data, pressure data, and/or flow data

The wastewater modeling is intended to verify the system capacity in a real-time basis. Many lift stations are designed based on a worst case, steady state situation. This is a very conservative method which does not account for the cycle times of each lift station and the transit time of the wastewater in the force main infrastructure. The model will be established to simulate actual operations of the system over a seven-day period. Diurnal flow curves will be developed to simulate the wastewater flows. The SCADA system can create a 'snapshot' of the system where the data for which pumps are running are available. A series of these snapshots will be used to calibrate the model.

The calibrated model of the existing system will provide useful information about the system. This information will allow an analysis of the existing system to determine the available capacity in each lift station. This may allow for some stations to be downsized while showing that others may operate more efficiently with larger pumps in place. The model will also show the impact of the force main infrastructure on the operations of the lift station network. In the replacement of aging infrastructure, changing the size and configuration of the force main piping network can provide operational benefits that would otherwise go unnoticed. This analysis will be confined to the existing infrastructure without any accommodation for future flows.

Reporting - This information will be compiled in a technical memo which will identify the most efficient force main configuration. The lift station modifications necessary will be identified with a description of the operational cost benefits of the improvements. Each lift station modification will be associated with the aging infrastructure capital projects previously identified. The report will provide opinions of probably construction cost for each of the associated capital projects identified in the report.

Deliverables

The deliverable at the end of this project will be an analysis of the force main system, in both digital and hard copy media, including an individual breakdown of the updated project costs and description of each force main as identified by its source lift station.

Kimley»Horn

Schedule

The model development and analysis will be completed within 60 days of receiving a notice to proceed. The draft and final reports will be completed within another 60 days for a total project time of 120 days.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $37,000.

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

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

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

Steve Romano, PE
Associate

Jay Jackson, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Patrick C. Flynn, VP of Operations

Date: April 10, 2019

Kimley»Horn

October 8, 2018

Nate Carver
Utilities Inc., of Florida
200 Weathersfield Ave.
Altamonte Springs, FL 32714

Re: Five-Year Capital Plan for Infrastructure Renewal

Dear Nate:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for the provision of services related to the development of a five-year capital plan for renewal of Client's assets and infrastructure.

Project Understanding

With the Client's asset management (AM) program up and running, the data accumulated through the AM program is to be used to make capital investment decisions that are designed to extend the useful life of existing assets, to reduce the consequence of asset failure, and to replace aging infrastructure prior to failure. The data included in the AM program will be used to identify the portions of the system most subject to failure. A desktop analysis of the infrastructure will be performed to provide priority scoring of proposed improvements. These improvements will be prioritized over a five-year period according to this score based on age, materials of construction, and potential impacts of failure.

Scope of Services

The scope of services includes a review of the infrastructure of each of the systems within Utilities Inc. of Florida. The assets to be evaluated primarily consist of pipelines and pump stations. Much of the known infrastructure information includes the date installed and material of construction. However, there are some service areas that do not have any as-built information. Assumptions regarding asset characteristics will be made based on the age of the development and the associated materials common to that time. Initially, each service area's infrastructure will f be prioritized within its own service area. Once all of this information is tabulated, a comparison of the potential projects will be compared on a statewide level. This will primarily be accomplished by comparing the impact on level of service, health, safety and the environment if a failure were to occur. For example, large diameter force mains will be prioritized over smaller ones. However, a smaller force main may move up in priority if it crosses a sensitive body of water. The same methodology will be applied to water systems: water system facilities with a backup supply will score lower than pipelines that are looped and adequately equipped with isolation valves. Pump stations will be prioritized for inspection based on age and size. Further evaluation regarding efficiency and/or any modification from its existing function is not included.

Deliverables

The final deliverable will be a technical memorandum describing the methodology used to prioritize the projects with a brief description of each project. In addition to the technical memorandum, the Infrastructure Renewal Plan will include a detailed spreadsheet loaded with data that supports a five-year projection of capital improvements. The digital version of the spreadsheet will be submitted for

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future use by the Client as needed.

Schedule
These services are projected to be completed within 120 days of authorization.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of **$46,500**. All permitting, application, and similar project fees will be paid directly by the Client.

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.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Date: 10/9/18

Proposal #: 081419-1R

Date: 8/14/2019
Submitted to: Don Lamp
Company: Utilities Inc.
Email: dalamp@uiwater.com

DANUS UTILITIES INC.
"WE DO IT RIGHT"
2320 Beardall Ave, Sanford, FL 32771 P.O. BOX 291671-32129 (386) 882-6200
State License #CUC 1224744

Job Description: List Station Gauge Installs (Utilities Inc. / Longwood)

We are pleased to quote labor and materials to include:

- **Furnish & Install** ¼" SS ball valves, nipples and fittings as required.
- **Furnish & Install** ½" SS ball valves, nipples and fittings as required.
- **Furnish & Install** (3) 4" Aluminum camlock caps with ¼" taps.
- **Furnish & Install** (3) 6" Aluminum camlock caps with ¼" taps.
- **Furnish & Install** (1) 4" Aluminum flanged x male camlock fittings.
- **Furnish & Install** (1) 6" Aluminum flanged x male camlock fittings.
- **Furnish & Install** (16) ¼" SS NPT 0-60 liquid filled 3" pressure gauges.
- **Furnish & Install** (2) ½" taps in existing check valve covers for a permanent and correct installation.

TOTAL: $14,780.00

Acceptance of Proposal: _____
Date of Acceptance: _____

NOTE: Please allow for 3-5 days for materials to come in and then 2 days for all the installations.

Terms Net 30 Days
All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra cost will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. This proposal is subject to acceptance within 30 days and is void thereafter at the option of the undersigned.

Authorized Signature:
Raymond Rogers
(386) 882-6200
raymond@danusutilities.com

Kimley»Horn

Technical Memorandum

To: Nate Carver, Asset Manager
Utilities Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, FL 32714

Date: January 2020

Subject: Sanlando Force Main Modeling Results

Introduction

Utilities Inc. of Florida (UIF) has contracted Kimley-Horn and Associates (KH) to provide engineering services related to the modeling of the force main system directly connected to the wastewater facility. The goal of modeling the force main is to evaluate the existing system and identify necessary improvements. Hydraulic modeling will also help to determine the most optimal and cost-effective system upgrades as well as the impacts of the proposed upgrades on the service area. Existing data from UIF was used to develop and calibrate a new sewer model. The results of the analysis were used to compare with the results and projected costs of the 2019 CIP plan.

Service Area

The Sanlando sewer service area is bounded by Wekiva Springs State Park to the North and extends to the Mirror Lake subdivision to the south, just past SR 436. The Sanlando collection system consists of the Wekiva Wastewater Treatment Plant (WWTP), 72 lift stations including 2 master pump stations (MPS), approximately 32 miles of force main, and 107 miles of gravity pipe. The force main materials known are asbestos concrete, cast iron, ductile iron, high-density polyethylene (HDPE), and polyvinyl chloride (PVC). The force main diameters range in sizes from 2” to 14”. The area served by the Wekiva WWTP includes 47 lift stations in total however, only 18 of these lift stations were included in the modeling analysis as they contribute flow directly to treatment facility. Some areas of the system were installed as early as 1971, per UIF’s Pump Equipment – Lift Station data log. The Wekiva WWTP currently has a capacity of 2.9 MGD. The flow from Des Pinar and Longwood service areas is collected at the Des Pinar MPS, which is then pumped to MPS F-05 to be repumped to the Wekiva WWTP.

Modeling Procedure

UIF’s GIS database, asset management database, and record drawings were utilized to build the layout in SewerCAD. In areas where data was missing or not provided, assumptions were made regarding elevation, pipe material, diameter, and system configuration based on historical knowledge of the system or deduced from field data gathered from adjacent areas.

The Sanlando collection system was modeled in August 2019, using Bentley SewerCAD software. The following data was received directly from UI staff and was used to build the sewer model:

- As-builts, used to create GIS maps of all existing infrastructure
    - Contain layout of force main, gravity main, location of lift stations and plant
- Lift station pump curves and well data: *Sanlando Utilities Corporation Pumping Equipment – Lift Station* document from 1990
- Float and invert elevations, horsepower ratings: *Sanlando Force Main CIP – Elevation Surveys* document from August 8, 2019
- Lift station run time logs, taken in August 2019
- Lift station drawdown test records, taken in August 2019
- Wekiva WWTP raw influent readings for 2019: *Wekiva 2019 STP Log*
- *15 Min Interval Flow Data*, taken in August 2019

The evaluation of the existing system that was modeled included 18 of the total lift stations. These lift stations were determined to be the stations that were critical to model the existing system as they contributed flow directly to the force main and ultimately to Wekiva WWTP. A tabulated list of the critical lift station data that was used to build the existing model can be found in Table 1.

Table 1. Critical Lift Stations Included in Wekiva WWTP Force Main Modeling

Station	Subdivision/location	Connections (estimate)	GPD (estimate)	GPD/ Connection (estimate)	Ground Elv (ft)	Install Date	Pump Model	Design GPM @ FT TDH	Discharge (in)	Wet Well Diam (ft)	Wet Well Depth (ft)	Shutoff (ft)	Lead (ft)	Lag (ft)	High (ft)	Source
L/S C-08	SR 434 & Wekiva Spgs Rd - Commercial	20	33,610	--	43	1978	FLYGT CP 3101	100 @ 76	4	6	10.67	34.42	35.17	36.71	37.33	1990 UI Doc, 2019 UI Doc
L/S F-01	Direction Ln & 436	655	184,615	282	23.125	1975	--	780 @ 98	8	8	20.63	4.42	6.46	8.17	8.50	1990 UI Doc, 2019 UI Doc
L/S F-05	Master LS	3,635	1,838,592	--	43	2016	FLYGT NP 3231	2080 @ 114	8	12	18.25	28.0	32.0	34.5	35.5	2016 internal as-builts
L/S H-01	Fox Valley Dr	332	84,335	254	23	1975	FLYGT CP 3126	250 @ 64	4	6	13.42	11.58	13.29	14.21	15.25	1990 UI Doc, 2019 UI Doc
L/S H-02	Valley Dr	265	121,565	459	51	1971	FLYGT CP 3126	375 @ 48	4	6	12.83	39.17	40.50	41.67	42.67	1990 UI Doc, 2019 UI Doc
L/S H-03	Sweetwater Creek Dr	533	160,681	393	38	1971	FLYGT CP 3126	350 @ 55	4	6	15.58	23.92	25.17	26.00	28.21	1990 UI Doc, 2019 UI Doc
L/S H-04	Riverbend Blvd neighborhood	281	67,177	239	31	1978	FLYGT CP 3152	275 @ 95	4	8	16.00	17.92	19.67	20.75	21.46	1990 UI Doc, 2019 UI Doc
L/S L-02	E Wekiva Trail neighborhood	682	102,404	150	47.5	1974	--	400 @ 63	8	6	13.79	35.50	38.83	39.63	39.83	1990 UI Doc, 2019 UI Doc
L/S L-03	York Court	1,049	546,002	520	58	1974	--	935 @ 49	10	8	19.38	42.71	45.83	46.50	47.67	1990 UI Doc, 2019 UI Doc
L/S L-06	W Wekiva Trail neighborhood	555	92,639	167	67.66	1978	FLYGT CP 3152	550 @ 90	4	10.5	23.17	46.99	50.45	51.74	52.70	1990 UI Doc, 2019 UI Doc
L/S L-07	Sweetwater Blvd neighborhood	857	79,308	93	50	1978	FLYGT CP 3152	790 @ 59	4	10	14.67	38.00	41.00	42.38	43.00	1990 UI Doc, 2019 UI Doc
L/S M-05	Barrington at Mirror Lake Apartments	90	140,840	--	66	1986	ABS AFP/N20	500 @ 58	8	8	13.88	55.58	58.58	58.92	59.83	1990 UI Doc, 2019 UI Doc
L/S M-06	Forest Lake Academy	1	114,763	--	69	1988	FLYGT HHC 3152	400 @ 84	6	8.33	12.50	60.19	62.46	63.13	63.58	1990 UI Doc, 2019 UI Doc
L/S M-07	FLRC Retirement Center	1	18,457	--	76.5	1988	ABS AFW/150	200 @ 91	6	14	14.50	64.00	66.50	67.63	67.79	1990 UI Doc, 2019 UI Doc
L/S M-08	Sand Lake Rd & Kapok Ct	49	6,077	124	66	--	FLYGT CP 3127	453 @ 49.7	10	5	11.25	56.33	59.58	60.75	61.25	2019 UI data
L/S M-09	Fl Hospital Laundry, Clinic	1	185	185	61	--	FLYGT CP 3140	576 @ 60	10	6	10.58	51.58	53.38	55.85	56.56	2019 UI data
L/S M-10	Bella Vista	115	25,909	225	65	--	FLYGT CP 3152	561 @ 59	8	6	19.75	48.13	49.88	50.58	52.58	2019 UI data
L/S N-01	Shadowbay Blvd neighborhood	198	30,179	152	50.25	1981	FLYGT CP 3126	200 @ 68	4	6	14.00	37.17	38.54	40.08	41.21	1990 UI Doc, 2019 UI Doc

Existing GIS files were used to import the overall layout and connection points into SewerCAD. All force mains and junction points were checked for proper connectivity. Elevations were entered from known data received and checked against Google Earth under the assumption of 3 feet of cover for all force main. The elevation of lift station locations were listed in UI documentation. The Wekiva WWTP EQ Tank was added as a free outfall with a rim elevation of 70.50 feet and an invert elevation of 67.50 feet. Wet wells were added to each station with diameters and float levels for lead and lag pumps taken from 2019 elevation surveys. Sanitary loadings were applied to each wet well and were determined by multiplying the actual run time data (total hours, converted to minutes) by the average flow pumped in GPM (gallons per minute) taken from 2019 drawdown test data. This method produced an estimate of influent values based on each pump's *actual* current performance. A residential diurnal curve was added to each sanitary loading, which peaked for one full hour at 7:00AM at a factor of 4.0 and peaked again at 9:00PM at a factor of 3.0. A peaking factor of 2.5 was applied to station F-05 because it pumps a much higher volume. Pump models were entered for each lead and lag pump which contain the pump curve design point taken from UI documentation. Bentley SewerCAD has the ability to auto-populate the entirety of a pump curve based on a single design point. For lift stations with drawdown test data known, the pump curve was adjusted to match each pump's actual current performance. Lift station discharge pipes were entered with the known diameter, assumed to be 25 feet of ductile iron material with a Hazen-Williams C of 120. Minor losses were added to each lift station's discharge pipe as well as all force main with bends or contractions.

The existing system configuration was built and entered with all known system data. The system was run in SewerCAD to be calibrated to perform as closely to the actual system as possible. Components of the model that were evaluated for proper calibration included the plant influent, pump run times, pressures, and force main velocities. The component that was of highest priority for calibration were the pump run times.

The goal percent difference for station run times were within 15% to achieve calibration. The pump curves entered were based on its current day performance using data from the August 2019 drawdown tests, to more accurately reflect the operating conditions of each station. Each pump was evaluated one by one starting with the stations closest to the WWTP and moving outward. Of the 19 lift stations, 14 were calibrated to within 15% of the actual run times, with the closest being within 0.46%. Table 2 below shows the actual run times for each station compared to the run times achieved in the model of the existing system.

Table 2. Comparison of Actual Run Times to Model Run Times

Station	Run Time, Actual (hr)	Run Time, Model (hr)	% Difference
L/S C-08	5.60	5.40	-3.60%
L/S F-01	6.83	7.40	8.27%
L/S F-05	11.88	12.80	7.75%
L/S H-01	12.04	12.10	0.46%
L/S H-02	11.80	12.50	5.96%
L/S H-03	9.97	12.80	28.4%
L/S H-04	4.69	5.00	6.64%
L/S L-02	6.92	5.20	-24.9%
L/S L-03	11.98	13.10	9.32%
L/S L-06	2.44	3.30	35.5%
L/S L-07	3.54	4.00	12.9%
L/S M-05	4.31	7.90	83.1%
L/S M-06	4.36	4.30	-1.44%
L/S M-07	1.81	1.90	4.72%
L/S M-08	1.23	1.30	5.98%
L/S M-09	0.03	0.10	300%
L/S M-10	2.58	2.80	8.51%
L/S N-01	3.46	3.00	-13.3%

Existing System

The existing model of the system displayed a total influent to the WWTP of 3.40 MGD average, which is within 0.23% of the known influent of 3.41 MGD average, for August 2019. The max influent rate in the model was 6,500 GPM, which is significantly higher than 4,000 GPM which was the known max for August, taken from 2019 15-Minute Interval Flow Data. The velocity range of the existing system was between 0.76 – 8.32 fps. The optimal range for sanitary force main is between 2-5 fps, indicating a need for pipe resizing and reconfiguring to achieve a higher efficiency. The existing force main lengths by diameter are as follows:

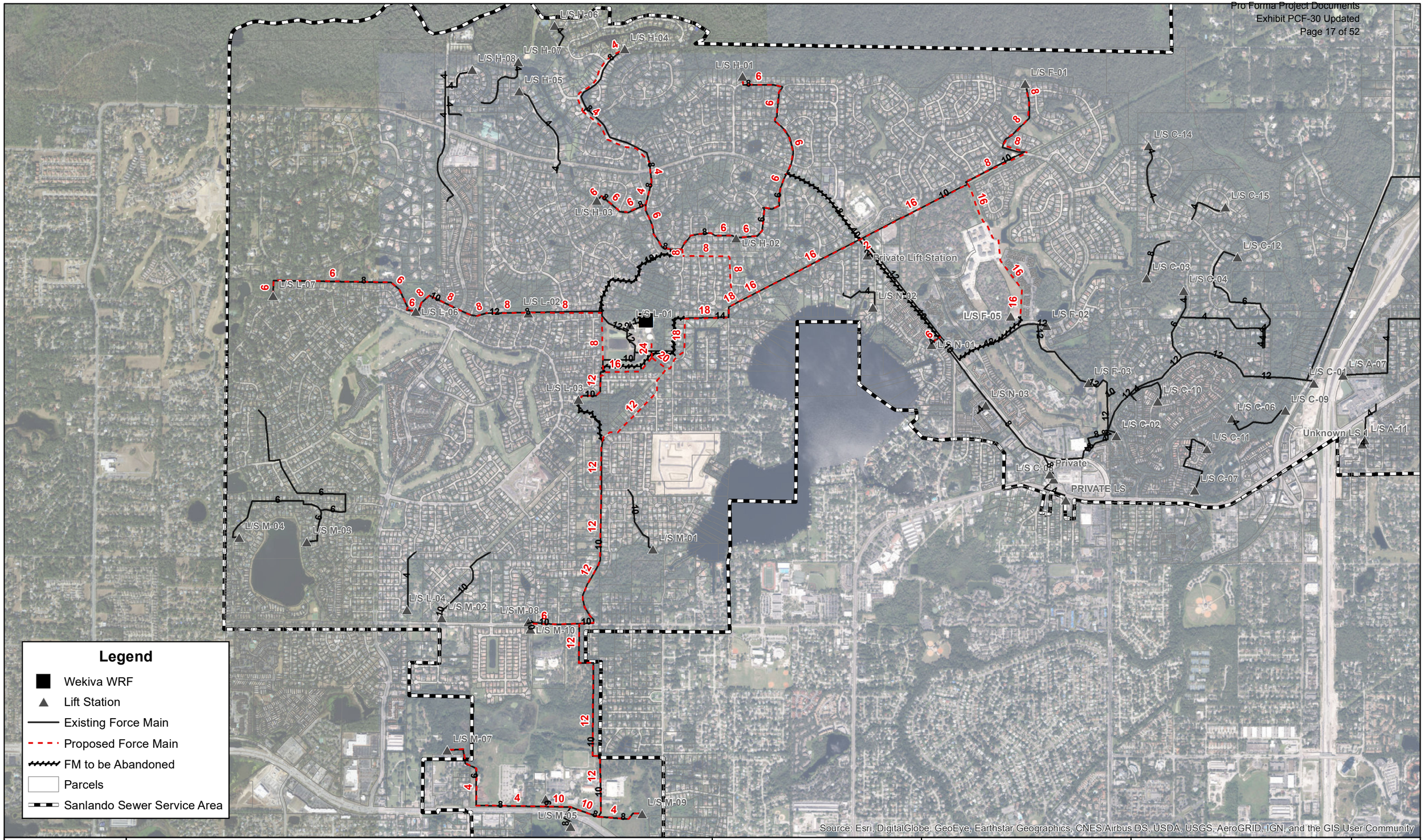
- 2”: 69 LF
- 4”: 1,025 LF
- 6”: 5,380 LF
- 8”: 23,066 LF
- 10”: 26,166 LF
- 12”: 8,858 LF
- 14”: 6,247 LF
- 16”: 92 LF

Proposed System

The proposed system consists of several new pipe routes and pipe resizing. The pipes that resulted in velocities outside of the acceptable range of 2.0 – 5.0 fps were upsized or downsized as necessary in the proposed scenario. The force main proposed to be routed in new areas were based on constructability. Table 4 shows a comprehensive list of improvements proposed for the Sanlando Sewer Service area as a result of the modeling analysis. Figure 1 displays the corresponding map of the proposed upgrades and reroutes.

Project	Description
SANLANDO L3 FM	Upsize existing 10" to 12"
SANLANDO L2 FM	Downsize existing 12” to 8”
SANLANDO F5 FM	Upsize & reroute existing 12” to 16”
SANLANDO F1 FM	Downsize existing 10” to 8” (reroute if possible)
SANLANDO L6 FM	Downsize existing 10” to 8”
SANLANDO L7 FM	Downsize existing 8” to 6”
SANLANDO H2 FM	Upgrade existing 8” to 6”, new route for downstream 8”
SANLANDO M10 FM	Downsize existing 10” to 6” between M-10 and M-08
SANLANDO M6 FM	Upsize existing 8” to 10”
SANLANDO H1 FM	Downsize existing 8” to 6”
SANLANDO H3 FM	Downsize existing 8” to 6”
SANLANDO H4 FM	Downsize existing 8” to 4”
SANLANDO M9 FM	Downsize existing 8” to 4”
SANLANDO M7 FM	Downsize existing 6” to 4”

The velocities in the proposed scenario ranged from just over 2 fps up to just over 5 fps in some pipes, occurring at the peak hour only. Figure 2 shows the resulting velocities in the proposed system.



Legend

- Wekiva WRF
- Lift Station
- Existing Force Main
- Proposed Force Main
- FM to be Abandoned
- Parcels
- Sanlando Sewer Service Area

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Utilities, Inc. of Florida

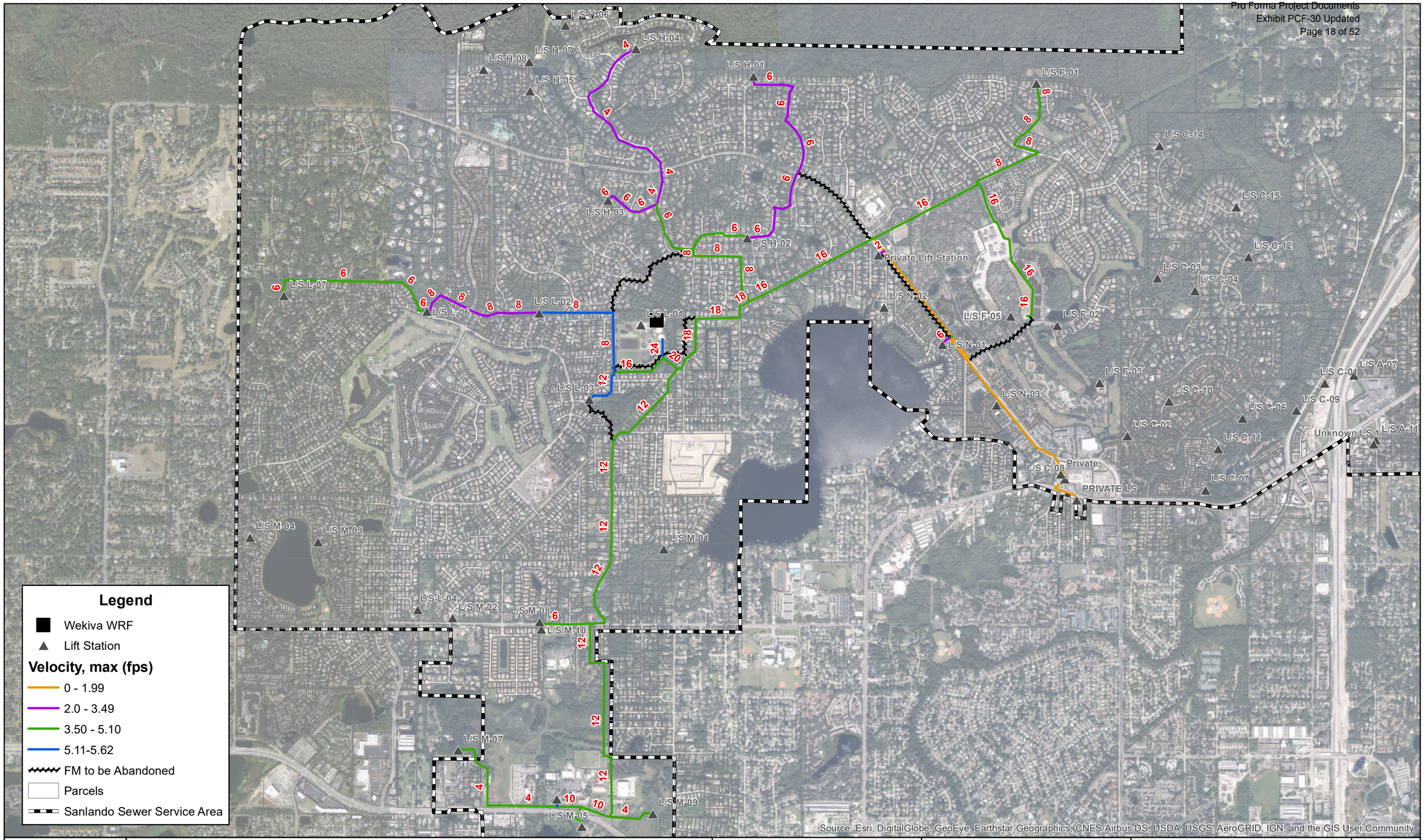
Utilities Inc of Florida | Sanlando FM Modeling CIP
Existing & Proposed Force Main Map

Kimley»Horn
© 2018 Kimley-Horn and Associates, Inc.
189 S Orange Ave, Suite 1000, Orlando FL 32801
Phone: (407) 898-1511

Project Number: 149685022
Date: January 2020

0 1,500 3,000 Feet

N



Utilities, Inc. of Florida

Utilities Inc of Florida | Sanlando FM Modeling CIP

Model Results - Max Velcoity in Proposed Force Main

Kimley»Horn

© 2018 Kimley-Horn and Associates, Inc.

189 S Orange Ave, Suite 1000, Orlando FL 32801
Phone: (407) 898-1511

Project Number: 149685022
Date: January 2020

0 1,500 3,000 Feet

Station run times were also evaluated in the proposed scenario. Table 5 displays the relative comparison of station run times before and after proposed upgrades were implemented in the model. Of 18 stations modeled, 10 stations resulted in run times lower than in the existing scenario, 5 stations resulted in higher run times within 1.5 hours, and there were three outliers, which displayed higher run times which may be investigated further with additional modeling time. Overall, the station run times decreased by 1%.

Table 5: Comparison of Run Times, Existing vs. Proposed Scenario

Station	Run Time, Existing System (hr)	Run Time, Proposed System (hr)	% Difference	
L/S C-08	5.40	4.10	-24%	LESS
L/S F-01	7.40	8.90	20%	MORE
L/S F-05	12.80	7.90	-38%	LESS
L/S H-01	12.10	9.70	-20%	LESS
L/S H-02	12.50	13.80	10%	MORE
L/S H-03	12.80	18.60	45%	MORE
L/S H-04	5.00	9.80	96%	MORE
L/S L-02	5.20	5.00	-4%	LESS
L/S L-03	13.10	8.00	-39%	LESS
L/S L-06	3.30	5.70	73%	MORE
L/S L-07	4.00	5.50	38%	MORE
L/S M-05	7.90	3.30	-58%	LESS
L/S M-06	4.30	3.20	-26%	LESS
L/S M-07	1.90	2.00	5%	MORE
L/S M-08	1.30	0.90	-31%	LESS
L/S M-09	0.10	0.30	200%	MORE
L/S M-10	2.80	2.40	-14%	LESS
L/S N-01	3.00	1.60	-47%	LESS

Results

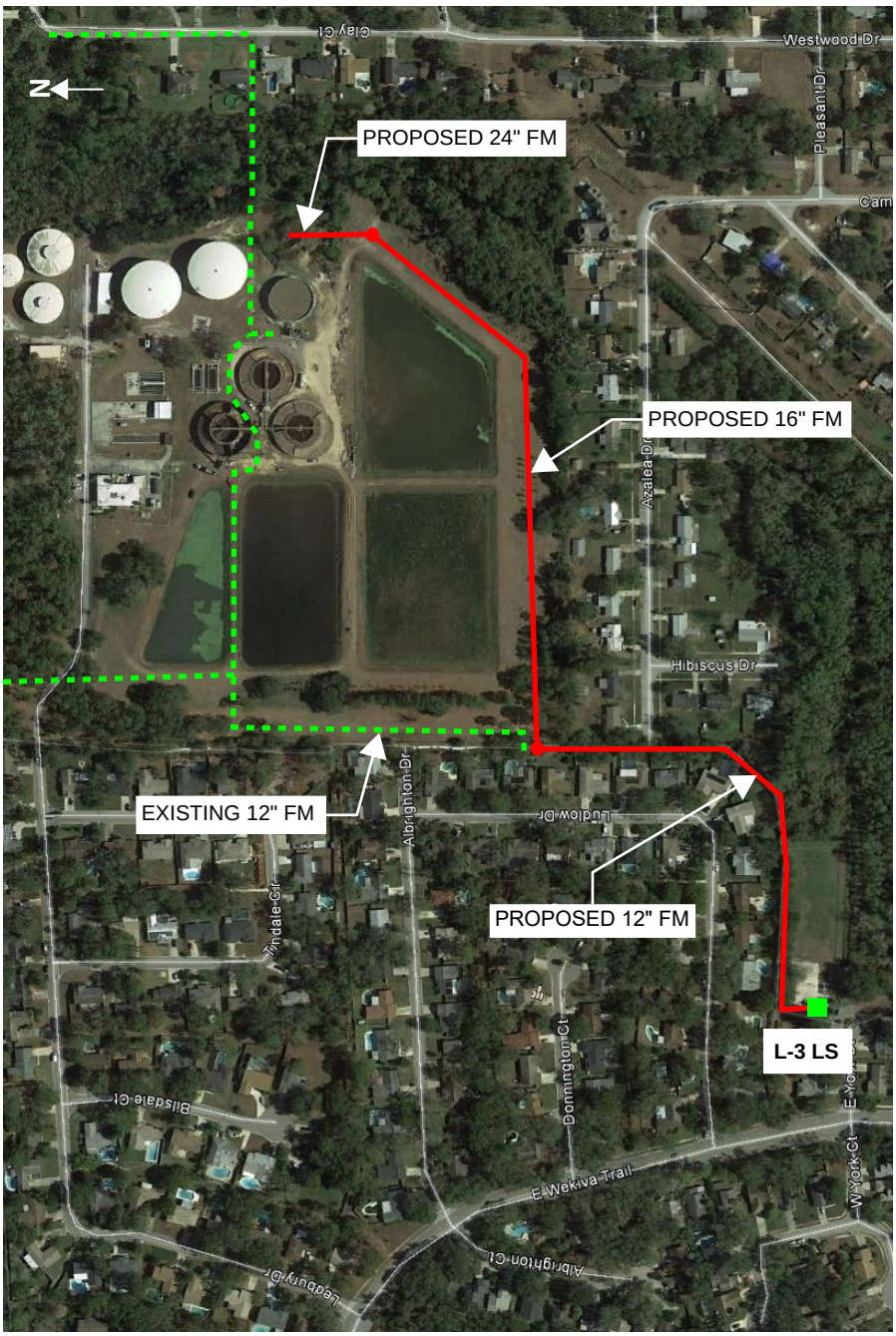
The preliminary cost estimates for the proposed projects are presented in this section as well as the 2019 CIP costs. The preliminary cost comparison overall between *corresponding* (excluding M9, M7, C1, C8, M1) projects resulted in an estimated savings of $800,000, primarily due to the ability of the model to pin point where smaller diameters were acceptable. This information is summarized in Table 6 below. Detailed costs and extents of each project can be found in Appendix A.

Table 6. Preliminary Cost Estimates and Savings

Project	Estimate (2020)	CIP Analysis Estimate (2019)	Cost Difference	
SANLANDO L3 FM	$676,902	$641,948	$34,954	higher
SANLANDO L2 FM	$452,598	$606,496	$153,898	lower
SANLANDO F5 FM	$1,499,326	$1,381,040	$118,286	higher
SANLANDO F1 FM	$469,212	$556,980	$87,768	lower
SANLANDO L6 FM	$664,622	$679,000	$14,378	lower
SANLANDO L7 FM	$523,869	$682,672	$158,803	lower
SANLANDO H2 FM	$947,884	$1,040,596	$92,712	lower
SANLANDO M10 FM	$2,241,528	$2,088,640	$152,888	higher
SANLANDO M6 FM	$1,343,381	$1,351,208	$7,827	lower
SANLANDO H1 FM	$1,018,920	$1,300,904	$281,984	lower
SANLANDO H3 FM	$510,129	$607,276	$97,147	lower
SANLANDO H4 FM	$962,380	$1,173,212	$210,832	lower
Total	***$11,310,751***	***$12,109,972***		
Savings	***$799,221***			
Additional Project Estimates:				
SANLANDO M9 FM	$147,362	N/A	*Project not in 2019 CIP Analysis*	
SANLANDO M7 FM	$336,847	N/A	*Project not in 2019 CIP Analysis*	
SANLANDO C1 FM	N/A	$2,056,616	*Project not in 2020 Modeling Analysis*	
SANLANDO C8 FM	N/A	$429,032	*Project not in 2020 Modeling Analysis*	
SANLANDO M1 FM	N/A	$353,964	*Project not in 2020 Modeling Analysis*	
Overall Total	***$11,794,960***	***$14,949,584***		

Appendix A

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Utilities, Inc. of Florida	**York Court (L-3) FM Replacement**	
	Sanlando Service Area	Project Year: 2022

SANLANDO L3 FM

CIP Project 7: SANLANDO - L3 FM

ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	12"	1200	LF	$120.00	$144,000.00
	16"	1400	LF	$160.00	$224,000.00
Plug Valves	12"	3	EA	$6,000.00	$18,000.00
	16"	1	EA	$8,000.00	$8,000.00
Air Release Valves		2	EA	$5,000.00	$10,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		0	EA	$7,500.00	$0.00
Remove existing FM		0	LF		$0.00
Restoration - Sidewalk replacement		1100	LF	$25.00	$27,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$496,500.00
Contingency		20%	percent		$99,300.00
Construction Total					*$595,800.00*
Survey		2600	LF	$4.00	$10,400.00
Engineering and Permitting		6%	percent		$35,748.00
Design Total					*$46,148.00*
Total Project Cost					**$641,948.00**

Sanlando FM Modeling Project: 12" from L3, 16" upsize, 24" plant influent

ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	12"	960	LF	$120.00	$115,200.00
	16"	1220	LF	$160.00	$195,200.00
	24"	310	LF	$240.00	$74,400.00
Plug Valves	12"	3	EA	$6,000.00	$18,000.00
	16"	1	EA	$8,000.00	$8,000.00
	24"	1	EA	$12,000.00	$12,000.00
Air Release Valves		2	EA	$5,000.00	$10,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		0	EA	$7,500.00	$0.00
Remove existing FM		0	LF		$0.00
Restoration - Sidewalk replacement		1100	LF	$25.00	$27,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$525,300.00
Contingency		20%	percent		$105,060.00
Construction Total					*$630,360.00*
Survey		2180	LF	$4.00	$8,720.00
Engineering and Permitting		6%	percent		$37,821.60
Design Total					*$46,541.60*
Total Project Cost					**$676,902**

$34,954 higher

Kimley»Horn



Utilities, Inc. of Florida	Wheatland (L-2) FM Replacement	
	Sanlando Service Area	Project Year: 2021

SANLANDO L2 FM

CIP Project 3: SANLANDO L2 FM

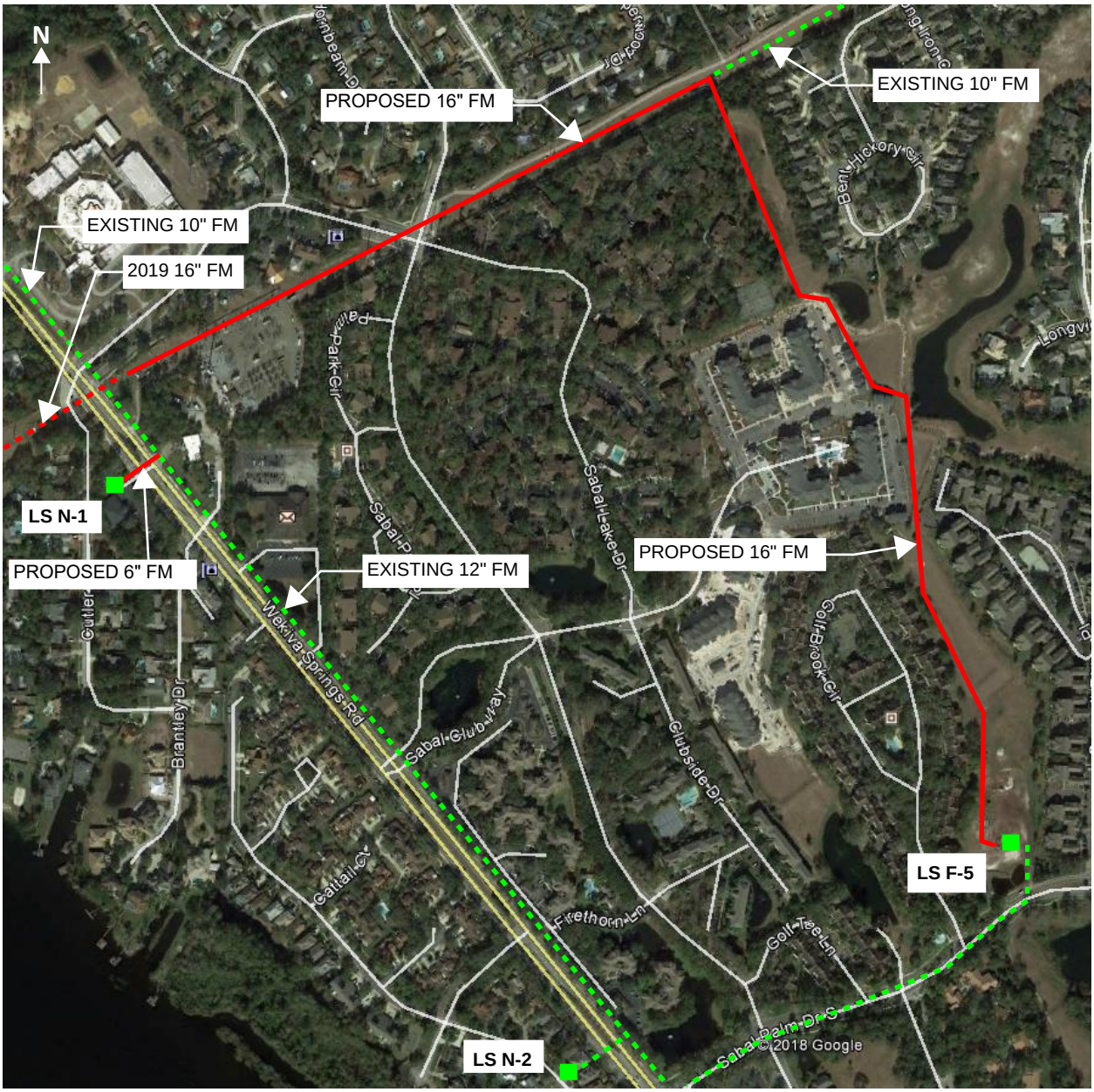
ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	12"	2800	LF	$120.00	$336,000.00
Plug Valves	12"	2	EA	$6,000.00	$12,000.00
Air Release Valve		2	EA	$5,000.00	$10,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		1	EA	$7,500.00	$7,500.00
Remove existing FM		0	LF		$0.00
Restoration - Sidewalk replacement		1500	LF	$25.00	$37,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$468,000.00
Contingency		20%	percent		$93,600.00
Construction Total					*$561,600.00*
Survey		2800	LF	$4.00	$11,200.00
Engineering and Permitting		6%	percent		$33,696.00
Design Total					*$44,896.00*
Total Project Cost					**$606,496.00**

Sanlando FM Modeling Project: 8" FM from L2, up to WRF

ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	8"	2740	LF	$80.00	$219,200.00
Plug Valves	8"	2	EA	$4,000.00	$8,000.00
Air Release Valve		2	EA	$5,000.00	$10,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		1	EA	$7,500.00	$7,500.00
Remove existing FM		0	LF		$0.00
Restoration - Sidewalk replacement		1500	LF	$25.00	$37,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$347,200.00
Contingency		20%	percent		$69,440.00
Construction Total					*$416,640.00*
Survey		2740	LF	$4.00	$10,960.00
Engineering and Permitting		6%	percent		$24,998.40
Design Total					*$35,958.40*
Total Project Cost					**$452,598**

$153,898 less

Kimley»Horn



Utilities, Inc. of Florida	Sabal Palm (F-5) FM Replacement	
	Sanlando Service Area	Project Year: 2020

SANLANDO F5 FM

CIP Project 1: SANLANDO F5 FM

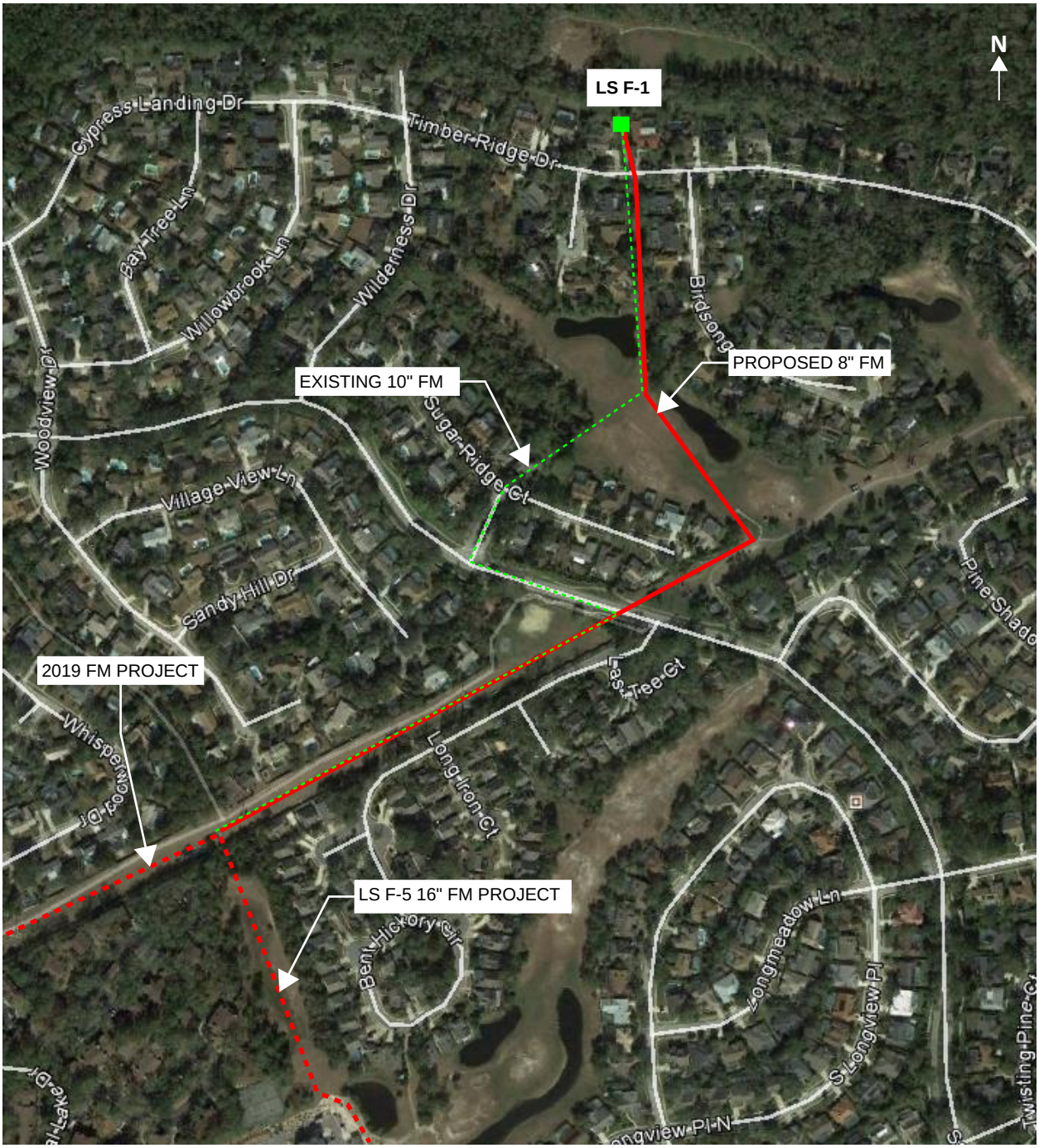
ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
16" Force Main and Fittings	5000	LF	$160.00	$800,000.00
16" Plug Valves	5	EA	$8,000.00	$40,000.00
Air Release Valves	3	EA	$5,000.00	$15,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	20	EA	$7,500.00	$150,000.00
Remove existing FM	0	LF	$60.00	$0.00
Restoration - Sidewalk replacement	0	LF	$25.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$1,070,000.00
Contingency	20%	percent		$214,000.00
Construction Total				*$1,284,000.00*
Survey	5000	LF	$4.00	$20,000.00
Engineering and Permitting	6%	percent		$77,040.00
Design Total				*$97,040.00*
Total Project Cost				**$1,381,040.00**

Sanlando FM Modeling Project: 16" from F5

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
16" Force Main and Fittings	5570	LF	$160.00	$891,200.00
16" Plug Valves	5	EA	$8,000.00	$40,000.00
Air Release Valves	3	EA	$5,000.00	$15,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	20	LF	$7,500.00	$150,000.00
Remove existing FM	0	LF	$60.00	$0.00
Restoration - Sidewalk replacement	0	LF	$0.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$1,161,200.00
Contingency	20%	percent		$232,240.00
Construction Total				*$1,393,440.00*
Survey	5570	LF	$4.00	$22,280.00
Engineering and Permitting	6%	percent		$83,606.40
Design Total				*$105,886.40*
Total Project Cost				**$1,499,326**

$118,286 higher

Kimley»Horn



Utilities, Inc. of Florida	LS F-1 FM Replacement	
	Sanlando Service Area	Project Year: 2021

SANLANDO F1 FM

CIP Project 4: SANLANDO F1 FM

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
10" Force Main and Fittings	3300	LF	$100.00	$330,000.00
10" Plug Valves	3	EA	$5,000.00	$15,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	1	EA	$7,500.00	$7,500.00
Remove existing FM	0	LF		$0.00
Restoration - Sidewalk replacement	0	LF	$25.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$427,500.00
Contingency	20%	percent		$85,500.00
Construction Total				*$513,000.00*
Survey	3300	LF	$4.00	$13,200.00
Engineering and Permitting	6%	percent		$30,780.00
Design Total				*$43,980.00*
Total Project Cost				**$556,980.00**

Sanlando FM Modeling Project: 8" from F1 & reroute

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	3300	LF	$80.00	$264,000.00
8" Plug Valves	3	EA	$4,000.00	$12,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	1	EA	$7,500.00	$7,500.00
Remove existing FM	0	LF		$0.00
Restoration - Sidewalk replacement	0	LF	$25.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$358,500.00
Contingency	20%	percent		$71,700.00
Construction Total				*$430,200.00*
Survey	3300	LF	$4.00	$13,200.00
Engineering and Permitting	6%	percent		$25,812.00
Design Total				*$39,012.00*
Total Project Cost				**$469,212.00**

$87,768 less

Kimley»Horn



Utilities, Inc. of Florida	**LS L-6 FM Replacement**	
	Sanlando Service Area	Project Year: 2021

SANLANDO L6 FM

CIP Project 5: SANLANDO L6 FM

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
10" Force Main and Fittings	2200	LF	$100.00	$220,000.00
10" Plug Valves	2	EA	$5,000.00	$10,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	16	EA	$7,500.00	$120,000.00
Remove existing FM	500	LF	$80.00	$40,000.00
Restoration - sidewalk replacement	2400	LF	$25.00	$60,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$525,000.00
Contingency	20%	percent		$105,000.00
Construction Total				*$630,000.00*
Survey	2800	LF	$4.00	$11,200.00
Engineering and Permitting	6%	percent		$37,800.00
Design Total				*$49,000.00*
Total Project Cost				**$679,000.00**

Sanlando FM Modeling Project: 8" from L6 to L2

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	2640	LF	$80.00	$211,200.00
8" Plug Valves	2	EA	$4,000.00	$8,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	16	EA	$7,500.00	$120,000.00
Remove existing FM	500	LF	$80.00	$40,000.00
Restoration - sidewalk replacement	2400	LF	$25.00	$60,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$514,200.00
Contingency	20%	percent		$102,840.00
Construction Total				*$617,040.00*
Survey	2640	LF	$4.00	$10,560.00
Engineering and Permitting	6%	percent		$37,022.40
Design Total				*$47,582.40*
Total Project Cost				**$664,622.40**

$14,378 less

Kimley»Horn



Utilities, Inc. of Florida	LS L-7 FM Replacement	
	Sanlando Service Area	Project Year: 2022

SANLANDO L7 FM

CIP Project 8: SANLANDO L7 FM

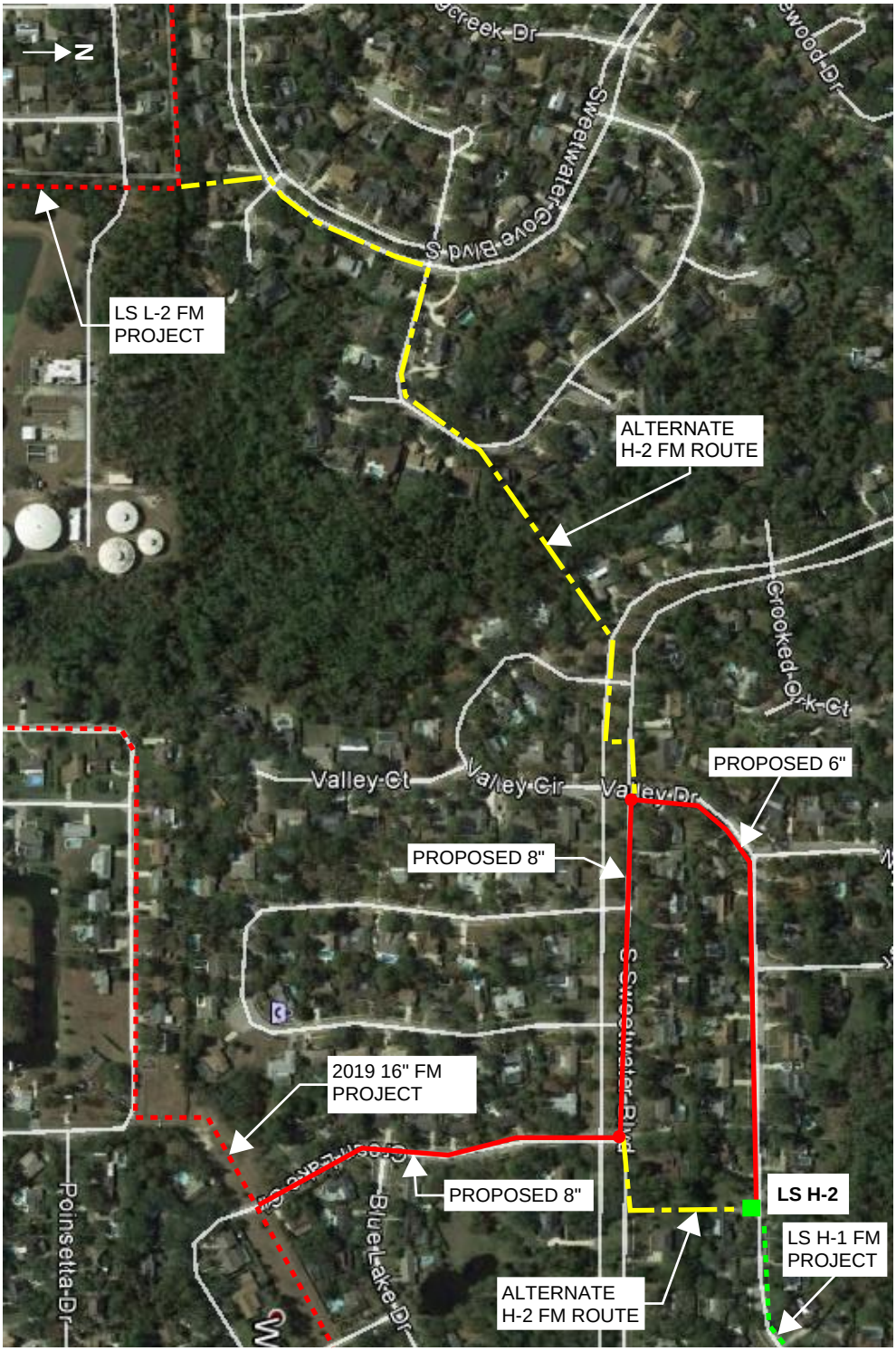
ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
10" Force Main and Fittings	3400	LF	$100.00	$340,000.00
10" Plug Valves	2	EA	$5,000.00	$10,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	0	EA	$7,500.00	$0.00
Remove existing FM	200	LF	$80.00	$16,000.00
Restoration - Sidewalk replacement	3400	SF	$25.00	$85,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$526,000.00
Contingency	20%	percent		$105,200.00
Construction Total				*$631,200.00*
Survey	3400	LF	$4.00	$13,600.00
Engineering and Permitting	6%	percent		$37,872.00
Design Total				*$51,472.00*
Total Project Cost				**$682,672.00**

Sanlando FM Modeling Project: 6" from L7 to L6

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
6" Force Main and Fittings	3640	LF	$60.00	$218,400.00
6" Plug Valves	2	EA	$3,000.00	$6,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	0	EA	$7,500.00	$0.00
Remove existing FM	200	LF	$80.00	$16,000.00
Restoration - Sidewalk replacement	3400	SF	$25.00	$85,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$400,400.00
Contingency	20%	percent		$80,080.00
Construction Total				*$480,480.00*
Survey	3640	LF	$4.00	$14,560.00
Engineering and Permitting	6%	percent		$28,828.80
Design Total				*$43,388.80*
Total Project Cost				**$523,868.80**

$158,803 less

Kimley»Horn



Utilities, Inc. of Florida	LS H-2 FM Replacement	
	Sanlando Service Area	Project Year: 2023

SANLANDO H2 FM

CIP Project 11: SANLANDO H2 FM

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	4000	LF	$80.00	$320,000.00
8" Plug Valves	2	EA	$4,000.00	$8,000.00
Air Release Valves	3	EA	$5,000.00	$15,000.00
Driveway crossings	20	EA	$1,000.00	$20,000.00
Road Crossings	5	EA	$7,500.00	$37,500.00
Remove existing FM	4000	LF	$60.00	$240,000.00
Restoration - Sidewalk replacement	4000	SF	$25.00	$100,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$805,500.00
Contingency	20%	percent		$161,100.00
Construction Total				*$966,600.00*
Survey	4000	LF	$4.00	$16,000.00
Engineering and Permitting	6%	percent		$57,996.00
Design Total				*$73,996.00*
Total Project Cost				**$1,040,596.00**

Sanlando FM Modeling Project: 6" from H2, reroute 8"

ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	8"	2100	LF	$80.00	$168,000.00
	6"	1300	LF	$60.00	$78,000.00
Plug Valves	8"	2	EA	$4,000.00	$8,000.00
	6"	1	EA	$3,000.00	$3,000.00
Air Release Valve		3	EA	$5,000.00	$15,000.00
Driveway crossings		20	EA	$1,000.00	$20,000.00
Road Crossings		5	EA	$7,500.00	$37,500.00
Remove existing FM		4000	LF	$60.00	$240,000.00
Restoration - Sidewalk replacement		4000	LF	$25.00	$100,000.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$734,500.00
Contingency		20%	percent		$146,900.00
Construction Total					*$881,400.00*
Survey		3400	LF	$4.00	$13,600.00
Engineering and Permitting		6%	percent		$52,884.00
Design Total					*$66,484.00*
Total Project Cost					**$947,884**

$92,712 less

Kimley»Horn



Utilities, Inc. of Florida	LS M-10 FM Replacement	
	Sanlando Service Area	Project Year: 2021

SANLANDO M10 FM

CIP Project 6: SANLANDO M10 FM

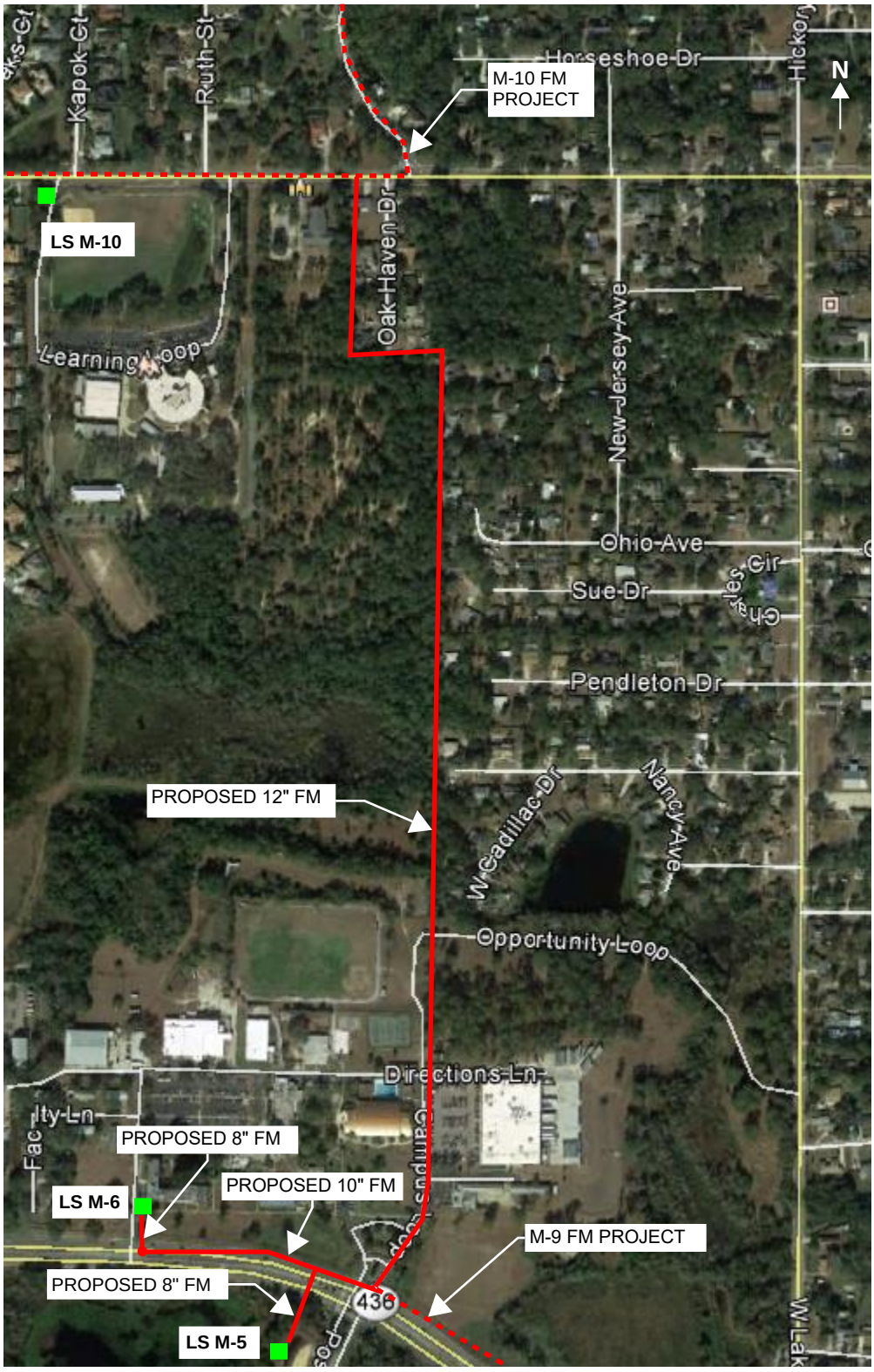
ITEM	QTY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
10" Force Main and Fittings	7000	LF	$100.00	$700,000.00
10" Plug Valves	6	EA	$5,000.00	$30,000.00
Air Release Valves	5	EA	$5,000.00	$25,000.00
Driveway crossings	35	EA	$1,000.00	$35,000.00
Road Crossings	4	EA	$7,500.00	$30,000.00
Remove existing FM	7000	LF	$80.00	$560,000.00
Restoration - Sidewalk replacement	7000	LF	$25.00	$175,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$1,620,000.00
Contingency	20%	percent		$324,000.00
Construction Total				*$1,944,000.00*
Survey	7000	LF	$4.00	$28,000.00
Engineering and Permitting	6%	percent		$116,640.00
Design Total				*$144,640.00*
Total Project Cost				**$2,088,640**

Sanlando FM Modeling Project: 6" from M-10 to M-8, 12" from M-8 to WRF

ITEM		QTY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	12"	6120	LF	$120.00	$734,400.00
	6"	1260	LF	$60.00	$75,600.00
Plug Valves	12"	6	EA	$6,000.00	$36,000.00
	6"	1	EA	$3,000.00	$3,000.00
Air Release Valve		5	EA	$5,000.00	$25,000.00
Driveway crossings		35	EA	$1,000.00	$35,000.00
Road Crossings		4	EA	$7,500.00	$30,000.00
Remove existing FM		7000	LF	$80.00	$560,000.00
Restoration - Sidewalk replacement		7000	LF	$25.00	$175,000.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$1,739,000.00
Contingency		20%	percent		$347,800.00
Construction Total					*$2,086,800.00*
Survey		7380	LF	$4.00	$29,520.00
Engineering and Permitting		6%	percent		$125,208.00
Design Total					*$154,728.00*
Total Project Cost					**$2,241,528**

$152,888 higher

Kimley»Horn



Utilities, Inc. of Florida	LS M-6 FM Replacement	
	Sanlando Service Area	Project Year: 2022

SANLANDO M6 FM

CIP Project 9: SANLANDO M6 FM

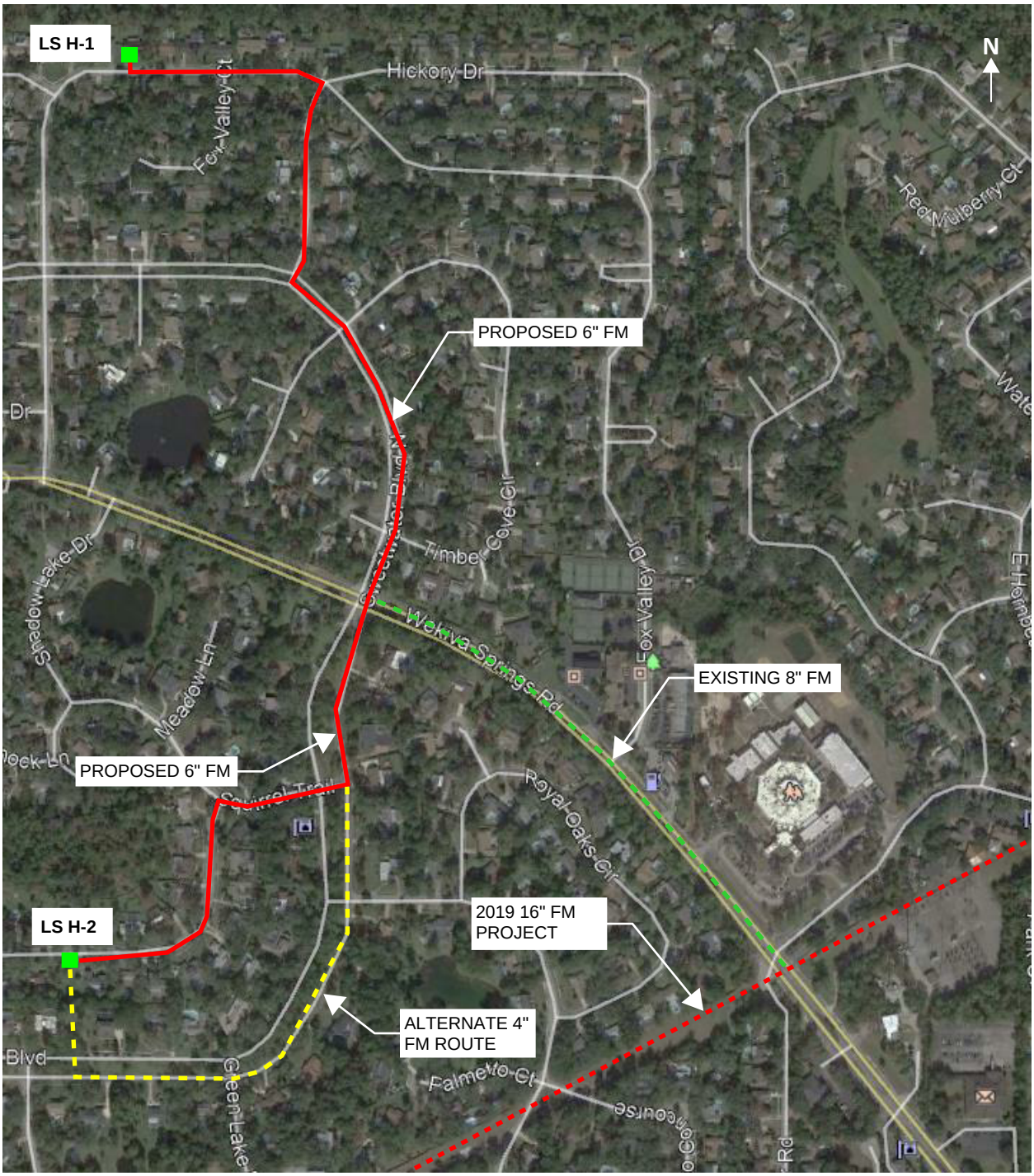
ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	10"	6100	LF	$100.00	$610,000.00
	8"	1300	LF	$80.00	$104,000.00
Plug Valves	10"	3	EA	$5,000.00	$15,000.00
	8"	3	EA	$4,000.00	$12,000.00
Air Release Valves		5	EA	$5,000.00	$25,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		9	EA	$7,500.00	$67,500.00
Remove existing FM		1600	LF	$80.00	$128,000.00
Restoration - Sidewalk replacement		500	SF	$25.00	$12,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$1,039,000.00
Contingency		20%	percent		$207,800.00
Construction Total					*$1,246,800.00*
Survey		7400	LF	$4.00	$29,600.00
Engineering and Permitting		6%	percent		$74,808.00
Design Total					*$104,408.00*
Total Project Cost					**$1,351,208.00**

Sanlando FM Modeling Project: Replace 8" from M6 & M5, 10" upgrade , 12" upgrade

ITEM		QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions		1	LS	$50,000.00	$50,000.00
Force Main and Fittings	8"	690	LF	$80.00	$55,200.00
	10"	1120	LF	$100.00	$112,000.00
	12"	4460	LF	$120.00	$535,200.00
Plug Valves	8"	2	EA	$4,000.00	$8,000.00
	10"	2	EA	$5,000.00	$10,000.00
	12"	3	EA	$6,000.00	$18,000.00
Air Release Valves		5	EA	$5,000.00	$25,000.00
Driveway crossings		0	EA	$1,000.00	$0.00
Road Crossings		9	EA	$7,500.00	$67,500.00
Remove existing FM		1600	LF	$80.00	$128,000.00
Restoration - Sidewalk replacement		500	SF	$25.00	$12,500.00
Testing and Startup		1	LS	$5,000.00	$5,000.00
Record Drawings		1	LS	$10,000.00	$10,000.00
Subtotal					$1,036,400.00
Contingency		20%	percent		$207,280.00
Construction Total					*$1,243,680.00*
Survey		6270	LF	$4.00	$25,080.00
Engineering and Permitting		6%	percent		$74,620.80
Design Total					*$99,700.80*
Total Project Cost					**$1,343,381**

$7,827 less

Kimley»Horn



Utilities, Inc. of Florida	LS H-1 FM Replacement	
	Sanlando Service Area	Project Year: 2023

SANLANDO H1 FM

CIP Project 12: SANLANDO H1 FM

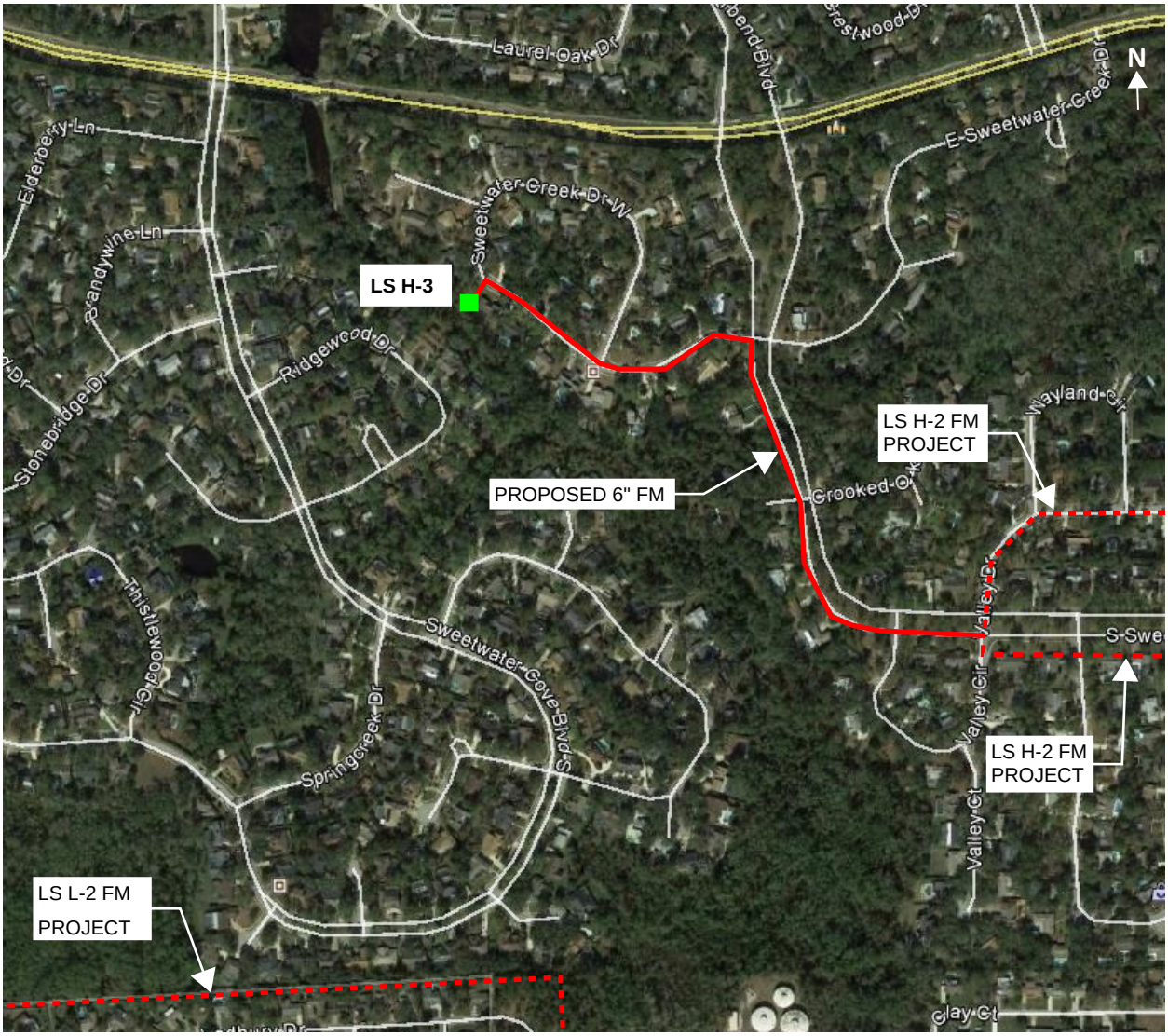
ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	5000	LF	$80.00	$400,000.00
8" Plug Valves	3	EA	$4,000.00	$12,000.00
Air Release Valves	4	EA	$5,000.00	$20,000.00
Driveway crossings	25	EA	$1,000.00	$25,000.00
Road Crossings	8	EA	$7,500.00	$60,000.00
Remove existing FM	5000	LF	$60.00	$300,000.00
Restoration - Sidewalk replacement	5000	SF	$25.00	$125,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$1,007,000.00
Contingency	20%	percent		$201,400.00
Construction Total				*$1,208,400.00*
Survey	5000	LF	$4.00	$20,000.00
Engineering and Permitting	6%	percent		$72,504.00
Design Total				*$92,504.00*
Total Project Cost				**$1,300,904.00**

Sanlando FM Modeling Project: 6" from H1 to H2

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
6" Force Main and Fittings	5100	LF	$60.00	$306,000.00
6" Plug Valves	3	EA	$3,000.00	$9,000.00
Air Release Valves	4	EA	$5,000.00	$20,000.00
Driveway crossings	25	EA	$1,000.00	$25,000.00
Road Crossings	8	EA	$7,500.00	$60,000.00
Remove existing FM	5000	LF	$60.00	$300,000.00
Restoration - Sidewalk replacement	5000	SF	$0.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$785,000.00
Contingency	20%	percent		$157,000.00
Construction Total				*$942,000.00*
Survey	5100	LF	$4.00	$20,400.00
Engineering and Permitting	6%	percent		$56,520.00
Design Total				*$76,920.00*
Total Project Cost				**$1,018,920**

$281,984 less

Kimley»Horn



Utilities, Inc. of Florida	LS H-3 FM Replacement	
	Sanlando Service Area	Project Year: 2023

SANLANDO H3 FM

Project 13: SANLANDO H3 FM

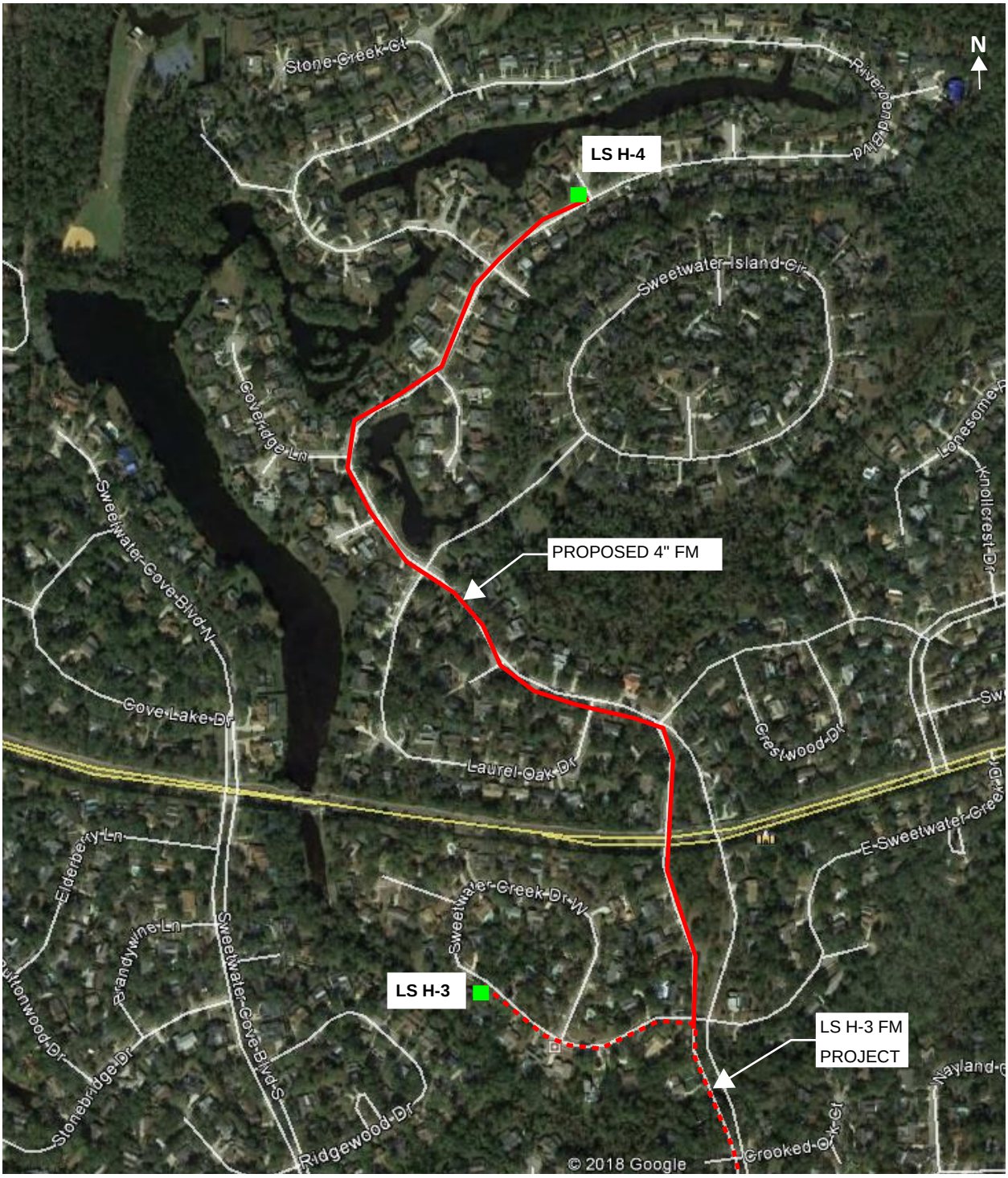
ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	2200	LF	$80.00	$176,000.00
8" Plug Valves	2	EA	$4,000.00	$8,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	17	EA	$1,000.00	$17,000.00
Road Crossings	1	EA	$7,500.00	$7,500.00
Remove existing FM	2200	LF	$60.00	$132,000.00
Restoration - Sidewalk replacement	2200	SF	$25.00	$55,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$470,500.00
Contingency	20%	percent		$94,100.00
Construction Total				*$564,600.00*
Survey	2200	LF	$4.00	$8,800.00
Engineering and Permitting	6%	percent		$33,876.00
Design Total				*$42,676.00*
Total Project Cost				**$607,276.00**

Sanlando FM Modeling Project: 6" from H-3

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
6" Force Main and Fittings	2590	LF	$60.00	$155,400.00
6" Plug Valves	2	EA	$3,000.00	$6,000.00
Air Release Valves	2	EA	$5,000.00	$10,000.00
Driveway crossings	17	EA	$1,000.00	$17,000.00
Road Crossings	1	EA	$7,500.00	$7,500.00
Remove existing FM	2200	LF	$60.00	$132,000.00
Restoration - Sidewalk replacement	2200	SF	$0.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$392,900.00
Contingency	20%	percent		$78,580.00
Construction Total				*$471,480.00*
Survey	2590	LF	$4.00	$10,360.00
Engineering and Permitting	6%	percent		$28,288.80
Design Total				*$38,648.80*
Total Project Cost				**$510,129**

$97,147 less

Kimley»Horn



Utilities, Inc. of Florida	LS H-4 FM Replacement	
	Sanlando Service Area	Project Year: 2024

SANLANDO H4 FM

Project 15: SANLANDO H4 FM

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
8" Force Main and Fittings	4400	LF	$80.00	$352,000.00
8" Plug Valves	1	EA	$4,000.00	$4,000.00
Air Release Valves	4	EA	$5,000.00	$20,000.00
Driveway crossings	26	EA	$1,000.00	$26,000.00
Road Crossings	9	EA	$7,500.00	$67,500.00
Remove existing FM	4400	LF	$60.00	$264,000.00
Restoration - Sidewalk replacement	4400	SF	$25.00	$110,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$908,500.00
Contingency	20%	percent		$181,700.00
Construction Total				*$1,090,200.00*
Survey	4400	LF	$4.00	$17,600.00
Engineering and Permitting	6%	percent		$65,412.00
Design Total				*$83,012.00*
Total Project Cost				**$1,173,212.00**

Sanlando FM Modeling Project: 4" from H-4

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
4" Force Main and Fittings	4480	LF	$40.00	$179,200.00
4" Plug Valves	1	EA	$4,000.00	$4,000.00
Air Release Valves	4	EA	$5,000.00	$20,000.00
Driveway crossings	26	EA	$1,000.00	$26,000.00
Road Crossings	9	EA	$7,500.00	$67,500.00
Remove existing FM	4480	LF	$60.00	$268,800.00
Restoration - Sidewalk replacement	4480	SF	$25.00	$112,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$742,500.00
Contingency	20%	percent		$148,500.00
Construction Total				*$891,000.00*
Survey	4480	LF	$4.00	$17,920.00
Engineering and Permitting	6%	percent		$53,460.00
Design Total				*$71,380.00*
Total Project Cost				**$962,380.00**

$210,832 less

Kimley»Horn



Utilities, Inc. of Florida	LS M-9 FM Replacement	
	Sanlando Service Area	Project Year:

Project was not included in initial CIP Analysis

SANLANDO M9 FM

Sanlando FM Modeling Project: Replace existing 8" with 4" from M-09

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
4" Force Main and Fittings	970	LF	$40.00	$38,800.00
4" Plug Valves	1	EA	$4,000.00	$4,000.00
Air Release Valves	1	EA	$5,000.00	$5,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	0	EA	$7,500.00	$0.00
Remove existing FM		LF		$0.00
Restoration - Sidewalk replacement	0	SF	$25.00	$0.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$112,800.00
Contingency	20%	percent		$22,560.00
Construction Total				*$135,360.00*
Survey	970	LF	$4.00	$3,880.00
Engineering and Permitting	6%	percent		$8,121.60
Design Total				*$12,001.60*
Total Project Cost				**$147,362**

Kimley»Horn



Utilities, Inc. of Florida	LS M-7 FM Replacement	
	Sanlando Service Area	Project Year:

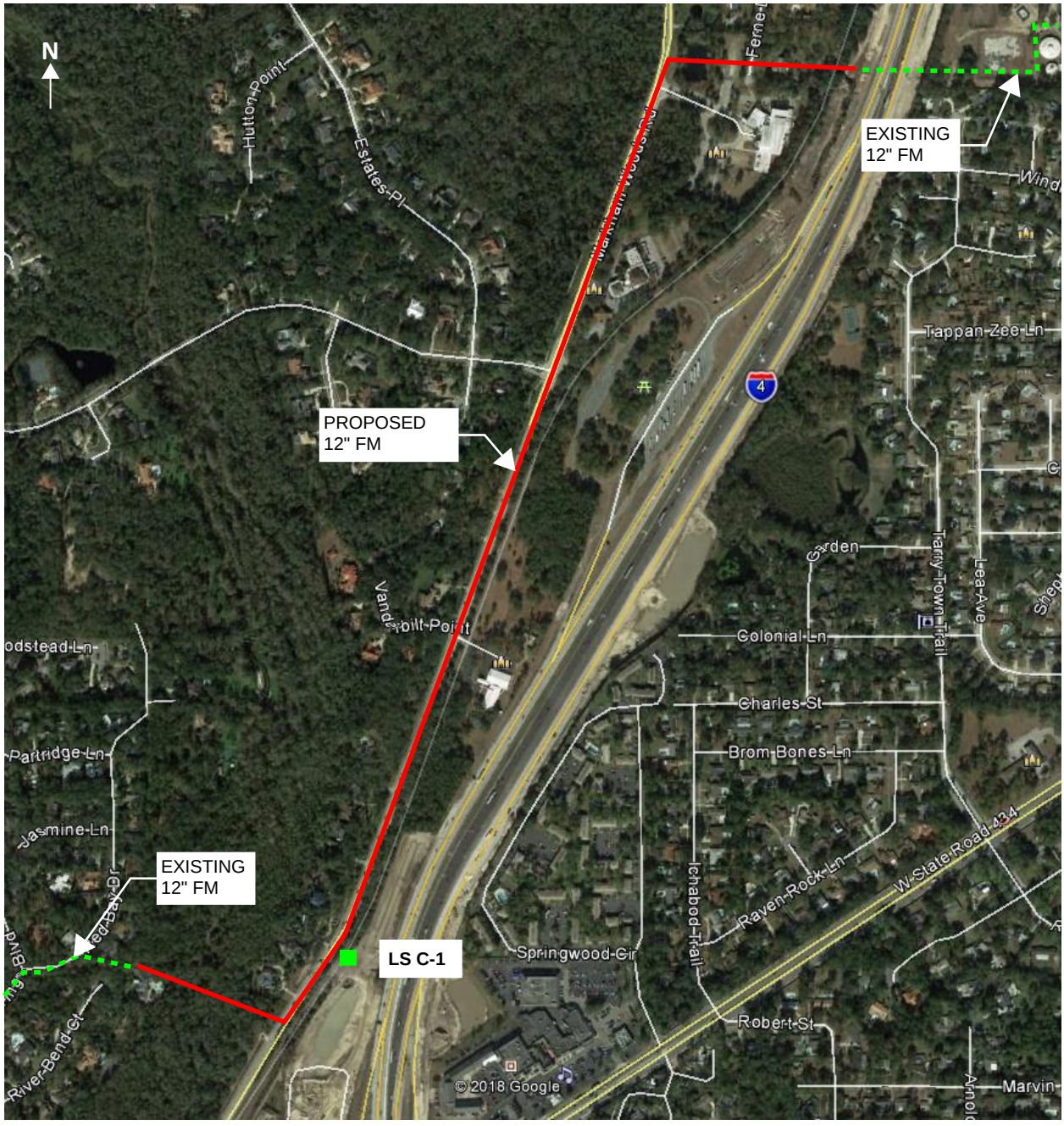
Project was not included in initial CIP Analysis

SANLANDO M7 FM

Sanlando FM Modeling Project: Replace existing 6" from M-07 with 4"

ITEM	QUANTITY	UNIT	UNIT COST	TOTAL COST
Mobilization & General Conditions	1	LS	$50,000.00	$50,000.00
4" Force Main and Fittings	3090	LF	$40.00	$123,600.00
4" Plug Valves	1	EA	$4,000.00	$4,000.00
Air Release Valves	1	EA	$5,000.00	$5,000.00
Driveway crossings	0	EA	$1,000.00	$0.00
Road Crossings	3	EA	$7,500.00	$22,500.00
Remove existing FM		LF		$0.00
Restoration - Sidewalk replacement	1400	SF	$25.00	$35,000.00
Testing and Startup	1	LS	$5,000.00	$5,000.00
Record Drawings	1	LS	$10,000.00	$10,000.00
Subtotal				$255,100.00
Contingency	20%	percent		$51,020.00
Construction Total				*$306,120.00*
Survey	3090	LF	$4.00	$12,360.00
Engineering and Permitting	6%	percent		$18,367.20
Design Total				*$30,727.20*
Total Project Cost				**$336,847**

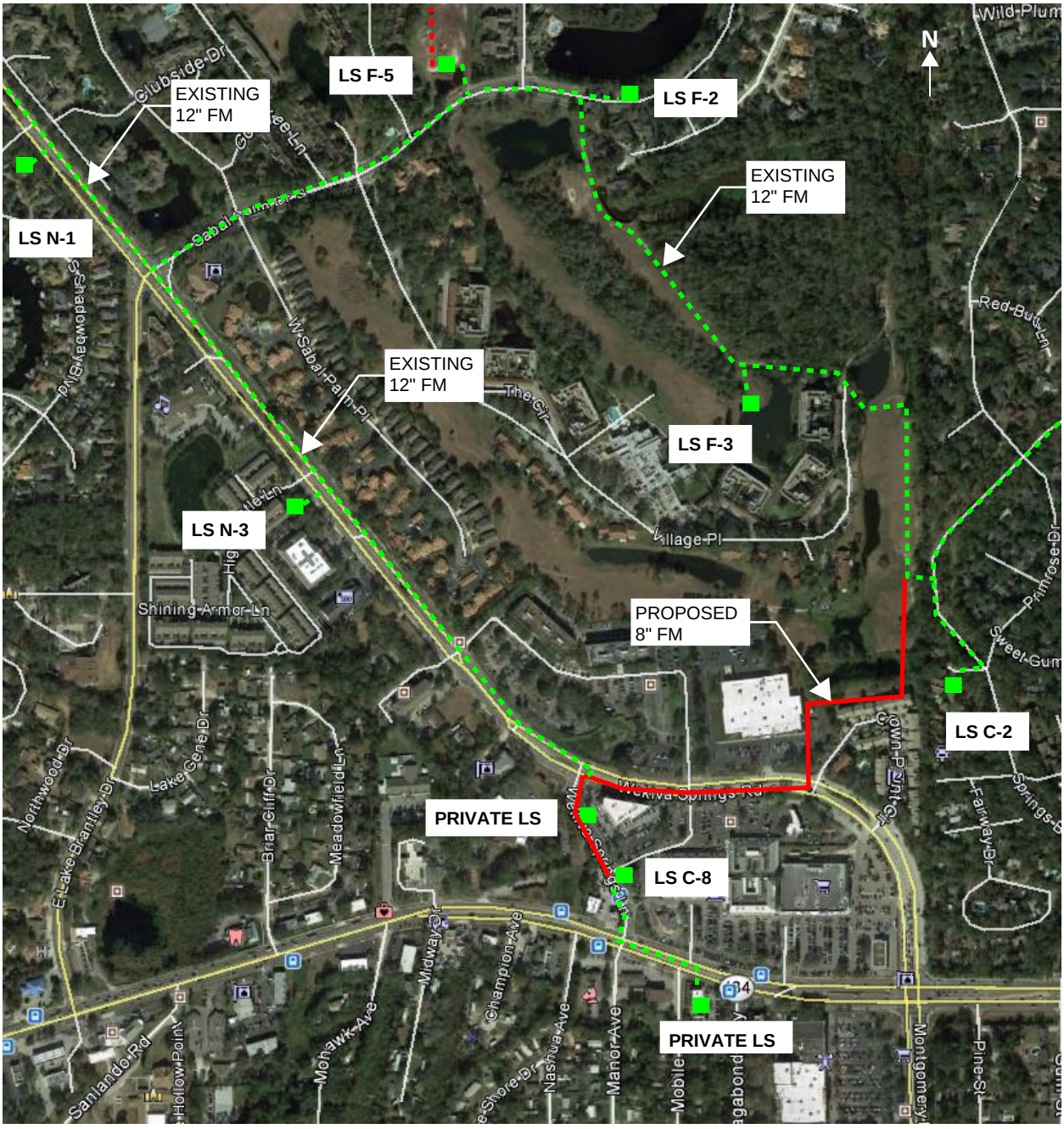
Kimley»Horn



Utilities, Inc. of Florida	LS C-1 FM Replacement	
	Sanlando Service Area	Project Year: 2020

Project was not included in modeling analysis

Kimley»Horn



Utilities, Inc. of Florida	**LS C-8 FM Replacement**	
	Sanlando Service Area	Project Year: 2024

Project was not included in modeling analysis

Kimley»Horn



Utilities, Inc. of Florida	LS M-1 FM Replacement	
	Sanlando Service Area	Project Year: 2024

Project was not included in modeling analysis

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-31) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	1/28/2020
Project Name:	Sanlando GST Deficiency Corrections			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	255100	**SANLANDO W**		
Project Owner:	Patrick Flynn		**BU Type:**	WP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy
Start Date:	2/24/2020	Q1 2020	**Region:**	Florida 4
Estimated End Date:	10/30/2020	Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**145,919**	**145,919**
Still to be Requested:			0
Total Project Budget:	**0**	**145,919**	**145,919**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☑ Deferred Maintenance

Description:

Sandblast the interior dome and top 3 feet of interior walls, apply epoxy surfacer as needed and apply two coats of Sherwin Williams 646PW at 6mils per coat to the interior of:
A. 0.500 MG concrete ground storage tank at the Wekiva WTP.
B. 1.0 MG concrete ground storage tank at the Wekiva WTP.
C. 0.250 MG concrete ground storage tank at the Des Pinar WTP.

Replace the existing ground storage tank interior steel ladders with fiberglass ladders inside of:
D. 0.250 MG tank at the Des Pinar WTP.
E. 0.500 MG tank at the Wekiva WTP.
F. 0.750 MG tank at the Wekiva WTP.

Timeline Considerations:

These deficiencies need to be addressed as a result of the last round of 5 year tank inspections that generated comments ranging from fair to poor condition by the inspecting party. This project will be included as a pro forma project in the Utility's upcoming rate filing this year. The project must be completed during the seasonal low demand period.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

FDEP requires all PWS potable water tanks, both pressurized and non-pressurized, to be inspected every five years by a contractor working under the responsible charge of a Florida-licensed professional engineer. During the last inspection cycle, the inspection report identified a combination of interior coating failures and interior ladder corrosion issues within four of the five ground storage tanks located at the Des Pinar WTP and the Wekiva WTP in the Sanlando system. Comments varied from fair to poor that need to be addressed prior to the next round of inspections to maintain compliance with DEP rules,provide safe access to the interior of the tanks, and protect the integrity of the finished water stored in the tanks.

Risk Evaluation

Failure to address these deficiencies will lead to further degradation and more extensive repairs. Neglecting these items will lead to non-compliance issues.

Alternatives Considered:

Items to be addressed are those identified by the vendor to be fair and poor. Fibergalss ladders vs. steel or aluminum will have a considerably longer service life.

Technical Review Summary:

This project was reviewed by the CPRT on 1/30/2020 without comment requiring changes or the need for additional information.

PRECON

PRECON CORPORATION

Prestressed Concrete Tanks

115 S.W. 140th Terrace
Newberry, Florida 32669
(352) 332-1200
Fax 332-1199

March 19, 2018

Mr. Scott Gosnell
Utilities Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714
(866) 842-8432

PROPOSAL

Subject: Utilities Inc. Des Pinar WTP GST #1
Description: .25 MG Prestressed Tank

1. MATERIALS AND SERVICES TO BE FURNISHED BY PRECON CORPORATION
   Precon proposes to furnish all labor, material, equipment, scaffolding, forms and supervision required to complete the tank in accord with the request of the Utilities Inc. and Precon Corporation's standard prestressed concrete tank design. The services to be furnished by Precon Corporation are specifically:
   a. Sandblast underside of dome and top 3' of wall
   b. Apply epoxy surfacer as needed
   c. Apply 2 coats Sherwin Williams 646PW @ 6mils DFT per coat
   d. Fabricate and install a new fiberglass interior ladder with stainless steel safety rail
2. MATERIALS AND SERVICES FURNISHED BY OTHERS
   It is understood that the following services are not included and are to be provided by others:
   a. Electricity for construction
   b. Uninterrupted water for construction
   c. Removal of any sediment
   d. Sterilization and sanitation of tank
   e. All permits and government fees.
3. QUOTATION
   We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

   Total Lump Sum: $31,336.00

   Based on monthly estimates for work completed and materials on hand, your payments, less retainage, are to be received by us in our office at 115 SW 140th Terrace, Newberry, Florida 32669, within five days after receipt of the Owner's payment. Our retainage will be reduced as your net retainage is reduced. In the event of default on the date of final payment, it is agreed that interest will be paid at the rate of 15% per annum on the outstanding balance. Any reasonable legal or other expense necessary for the enforcement of this contract or for collection of monies due shall be borne by the party at fault.
4. COMMENCEMENT AND COMPLETION
   We are prepared to furnish sufficient labor, materials and equipment to complete the work within approximately 3 weeks after a mutually agreeable start date.
5. SHOP DRAWINGS AND DESIGN DATA

We will submit all data required, including complete computations, shop drawings and specifications for approval prior to starting work.

6. BOND
The cost of a payment-performance-maintenance bond, issued for a one-year period, is to be added to the bid price if required. The price for this bond is $12.00 per $1,000.00. If utilizing sub-guard, any bonds required will be added to the tank price.

7. SAFETY
This proposal is based on performing the work in accordance with Precon Corporation's Safety Program, which meets or exceeds CFR 1926 OSHA Standards. If any additional safety requirements are placed upon us, such as additional site training or safety equipment, the cost for such additional requirements plus overhead shall be reimbursed to us.

8. DELAYS
It is agreed that we shall be permitted to prosecute our work without interruption. If delayed at any time for a period of 24 hours or more by an act or neglect of the owner, his representative or other contractor employed by him, or by reason of any changes ordered in the work, we shall be reimbursed for our actual additional expense caused by such delay, including loss of use of our equipment, plus overhead and profit.

9. INSURANCE
Precon will furnish an insurance certificate showing coverage of liability, property and worker's compensation insurance upon request. Our insurance will be carried in accord with the general condition requirements. An additional amount will be added to our subcontract price if there are any extra requirements. Builder's Risk insurance will be carried in accord with general conditions requirements.

10. ACCEPTANCE
This proposal is offered for your acceptance within 15 days. This proposal is based on the conditions of the AIA Standard Form of Agreement Between Contractor and Subcontractor, and it shall be made part of any subcontract.

Accepted: Bryan K. Gonzo

By: Bryan K. Gonzo

Title: Regional Mgr.

Date: 2/14/2020

Offered: Precon Corporation

By:
Adrian Moore

Title: Project Manager
Special Projects



PRECON CORPORATION

Prestressed Concrete Tanks

115 S.W. 140th Terrace
Newberry, Florida 32669
(352) 332-1200
Fax 332-1199

March 19, 2018

Mr. Scott Gosnell
Utilities Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714
(866) 842-8432

PROPOSAL

Subject: Utilities Inc. Wekiva WTP GST #1
Description: .5MG Prestressed Tank

1. MATERIALS AND SERVICES TO BE FURNISHED BY PRECON CORPORATION
   Precon proposes to furnish all labor, material, equipment, scaffolding, forms and supervision required to complete the tank in accord with the request of the Utilities Inc. and Precon Corporation's standard prestressed concrete tank design. The services to be furnished by Precon Corporation are specifically:
   a. Sandblast underside of dome and top 3' of wall
   b. Apply epoxy surfacer as needed
   c. Apply 2 coats Sherwin Williams 646PW @ 6mils DFT per coat
   d. Fabricate and install a new fiberglass interior ladder with stainless steel safety rail
2. MATERIALS AND SERVICES FURNISHED BY OTHERS
   It is understood that the following services are not included and are to be provided by others:
   a. Electricity for construction
   b. Uninterrupted water for construction
   c. Removal of any sediment
   d. Sterilization and sanitation of tank
   e. All permits and government fees
3. QUOTATION
   We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

   Total Lump Sum: $43,096.00

   Based on monthly estimates for work completed and materials on hand, your payments, less retainage, are to be received by us in our office at 115 SW 140th Terrace, Newberry, Florida 32669, within five days after receipt of the Owner's payment. Our retainage will be reduced as your net retainage is reduced. In the event of default on the date of final payment, it is agreed that interest will be paid at the rate of 15% per annum on the outstanding balance. Any reasonable legal or other expense necessary for the enforcement of this contract or for collection of monies due shall be borne by the party at fault.
4. COMMENCEMENT AND COMPLETION
   We are prepared to furnish sufficient labor, materials and equipment to complete the work within approximately 3 weeks after a mutually agreeable start date.

5. SHOP DRAWINGS AND DESIGN DATA
We will submit all data required, including complete computations, shop drawings and specifications for approval prior to starting work.

6. BOND
The cost of a payment-performance-maintenance bond, issued for a one-year period, is to be added to the bid price if required. The price for this bond is $12.00 per $1,000.00. If utilizing sub-guard, any bonds required will be added to the tank price.

7. SAFETY
This proposal is based on performing the work in accordance with Precon Corporation's Safety Program, which meets or exceeds CFR 1926 OSHA Standards. If any additional safety requirements are placed upon us, such as additional site training or safety equipment, the cost for such additional requirements plus overhead shall be reimbursed to us.

8. DELAYS
It is agreed that we shall be permitted to prosecute our work without interruption. If delayed at any time for a period of 24 hours or more by an act or neglect of the owner, his representative or other contractor employed by him, or by reason of any changes ordered in the work, we shall be reimbursed for our actual additional expense caused by such delay, including loss of use of our equipment, plus overhead and profit.

9. INSURANCE
Precon will furnish an insurance certificate showing coverage of liability, property and worker's compensation insurance upon request. Our insurance will be carried in accord with the general condition requirements. An additional amount will be added to our subcontract price if there are any extra requirements. Builder's Risk insurance will be carried in accord with general conditions requirements.

10. ACCEPTANCE
This proposal is offered for your acceptance within 15 days. This proposal is based on the conditions of the AIA Standard Form of Agreement Between Contractor and Subcontractor, and it shall be made part of any subcontract.

Accepted: _____

By: Bryan K. Gongre

Title: Regional Mgr.

Date: 2/14/2020

Offered: Precon Corporation

By: _____
Adrian Moore

Title: Project Manager
Special Projects

PRECON CORPORATION

Prestressed Concrete Tanks

115 S.W. 140th Terrace
Newberry, Florida 32669
(352) 332-1200
Fax 332-1199

March 19, 2018

Mr. Scott Gosnell
Utilities Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714
(866) 842-8432

PROPOSAL

Subject: Utilities Inc. Wekiva WTP GST #2
Description: .75MG Prestressed Tank

1. MATERIALS AND SERVICES TO BE FURNISHED BY PRECON CORPORATION
   Precon proposes to furnish all labor, material, equipment, scaffolding, forms and supervision required to complete the tank in accord with the request of the Utilities Inc. and Precon Corporation's standard prestressed concrete tank design. The services to be furnished by Precon Corporation are specifically:
   a. Fabricate and install a new fiberglass interior ladder with stainless steel safety rail
2. MATERIALS AND SERVICES FURNISHED BY OTHERS
   It is understood that the following services are not included and are to be provided by others:
   a. Electricity for construction
   b. Uninterrupted water for construction
   c. Removal of any sediment
   d. Sterilization and sanitation of tank
   e. All permits and government fees.
3. QUOTATION
   We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

   Total Lump Sum: $4,362.00

   Based on monthly estimates for work completed and materials on hand, your payments, less retainage, are to be received by us in our office at 115 SW 140th Terrace, Newberry, Florida 32669, within five days after receipt of the Owner's payment. Our retainage will be reduced as your net retainage is reduced. In the event of default on the date of final payment, it is agreed that interest will be paid at the rate of 15% per annum on the outstanding balance. Any reasonable legal or other expense necessary for the enforcement of this contract or for collection of monies due shall be borne by the party at fault.
4. COMMENCEMENT AND COMPLETION
   We are prepared to furnish sufficient labor, materials and equipment to complete the work within approximately 1 weeks after a mutually agreeable start date.
5. SHOP DRAWINGS AND DESIGN DATA
   We will submit all data required, including complete computations, shop drawings and specifications for approval prior to starting work.

6. BOND
The cost of a payment-performance-maintenance bond, issued for a one-year period, is to be added to the bid price if required. The price for this bond is $12.00 per $1,000.00. If utilizing sub-guard, any bonds required will be added to the tank price.

7. SAFETY
This proposal is based on performing the work in accordance with Precon Corporation's Safety Program, which meets or exceeds CFR 1926 OSHA Standards. If any additional safety requirements are placed upon us, such as additional site training or safety equipment, the cost for such additional requirements plus overhead shall be reimbursed to us.

8. DELAYS
It is agreed that we shall be permitted to prosecute our work without interruption. If delayed at any time for a period of 24 hours or more by an act or neglect of the owner, his representative or other contractor employed by him, or by reason of any changes ordered in the work, we shall be reimbursed for our actual additional expense caused by such delay, including loss of use of our equipment, plus overhead and profit.

9. INSURANCE
Precon will furnish an insurance certificate showing coverage of liability, property and worker's compensation insurance upon request. Our insurance will be carried in accord with the general condition requirements. An additional amount will be added to our subcontract price if there are any extra requirements. Builder's Risk insurance will be carried in accord with general conditions requirements.

10. ACCEPTANCE
This proposal is offered for your acceptance within 15 days. This proposal is based on the conditions of the AIA Standard Form of Agreement Between Contractor and Subcontractor, and it shall be made part of any subcontract.

Accepted: Bryan K. Gongre

By: Bryan K. Gongre

Title: Regional Mgr.

Date: 2/14/2020

Offered: Precon Corporation

By:
Adrian Moore

Title: Project Manager
Special Projects

PRECON CORPORATION

Prestressed Concrete Tanks

115 S.W. 140th Terrace
Newberry, Florida 32669
(352) 332-1200
Fax 332-1199

March 19, 2018

Mr. Scott Gosnell
Utilities Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714
(866) 842-8432

PROPOSAL

Subject: Utilities Inc. Wekiva WTP GST #3
Description: 1.0 MG Prestressed Tank

1. MATERIALS AND SERVICES TO BE FURNISHED BY PRECON CORPORATION
   Precon proposes to furnish all labor, material, equipment, scaffolding, forms and supervision required to complete the tank in accord with the request of the Utilities Inc. and Precon Corporation's standard prestressed concrete tank design. The services to be furnished by Precon Corporation are specifically:
   a. Sandblast underside of dome and top 3' of wall
   b. Apply epoxy surfacer as needed
   c. Apply 2 coats Sherwin Williams 646PW @ 6mils DFT per coat
2. MATERIALS AND SERVICES FURNISHED BY OTHERS
   It is understood that the following services are not included and are to be provided by others:
   a. Electricity for construction
   b. Uninterrupted water for construction
   c. Removal of any sediment
   d. Sterilization and sanitation of tank
   e. All permits and government fees.
3. QUOTATION
   We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

   Total Lump Sum: $67,125.00

   Based on monthly estimates for work completed and materials on hand, your payments, less retainage, are to be received by us in our office at 115 SW 140th Terrace, Newberry, Florida 32669, within five days after receipt of the Owner's payment. Our retainage will be reduced as your net retainage is reduced. In the event of default on the date of final payment, it is agreed that interest will be paid at the rate of 15% per annum on the outstanding balance. Any reasonable legal or other expense necessary for the enforcement of this contract or for collection of monies due shall be borne by the party at fault.
4. COMMENCEMENT AND COMPLETION
   We are prepared to furnish sufficient labor, materials and equipment to complete the work within approximately 3 weeks after a mutually agreeable start date.

5. SHOP DRAWINGS AND DESIGN DATA
We will submit all data required, including complete computations, shop drawings and specifications for approval prior to starting work.

6. BOND
The cost of a payment-performance-maintenance bond, issued for a one-year period, is to be added to the bid price if required. The price for this bond is $12.00 per $1,000.00. If utilizing sub-guard, any bonds required will be added to the tank price.

7. SAFETY
This proposal is based on performing the work in accordance with Precon Corporation's Safety Program, which meets or exceeds CFR 1926 OSHA Standards. If any additional safety requirements are placed upon us, such as additional site training or safety equipment, the cost for such additional requirements plus overhead shall be reimbursed to us.

8. DELAYS
It is agreed that we shall be permitted to prosecute our work without interruption. If delayed at any time for a period of 24 hours or more by an act or neglect of the owner, his representative or other contractor employed by him, or by reason of any changes ordered in the work, we shall be reimbursed for our actual additional expense caused by such delay, including loss of use of our equipment, plus overhead and profit.

9. INSURANCE
Precon will furnish an insurance certificate showing coverage of liability, property and worker's compensation insurance upon request. Our insurance will be carried in accord with the general condition requirements. An additional amount will be added to our subcontract price if there are any extra requirements. Builder's Risk insurance will be carried in accord with general conditions requirements.

10. ACCEPTANCE
This proposal is offered for your acceptance within 15 days. This proposal is based on the conditions of the AIA Standard Form of Agreement Between Contractor and Subcontractor, and it shall be made part of any subcontract.

Accepted: Bryan L. Gorgr

By: Bryan L. Gorgr

Title: Regional Mgr.

Date: 2/14/2020

Offered: Precon Corporation

By: _____
Adrian Moore

Title: Project Manager
Special Projects

PRECON

PRECON CORPORATION

Prestressed Concrete Tanks

115 S.W. 140th Terrace
Newberry, Florida 32669
(352) 332-1200
Fax 332-1199

March 3, 2020

Mr. Scott Gosnell
Utilities Inc.
200 Weathersfield Ave.
Altamonte Springs, FL 32714
(866) 842-8432

PROPOSAL

Subject: Utilities Inc. Wekiva WTP GST #1
Description: .5 MG Prestressed Tank Wall Repair

1. MATERIALS AND SERVICES TO BE FURNISHED BY PRECON CORPORATION
   Precon proposes to furnish all labor, material, equipment, scaffolding, forms and supervision required to complete the tank in accord with the request of Utilities Inc. and Precon Corporation's standard prestressed concrete tank design. The services to be furnished by Precon Corporation are specifically:
   a. Pressure wash entire interior wall surface at 5,000 PSI to clean wall and provide surface profile
   b. Install concrete anchors on interior wall to bond old concrete and new concrete
   c. Install #3 horizontal rebars at 1' spacing C-C
   d. Add 1-1/2" thick layer of shotcrete to interior wall
2. MATERIALS AND SERVICES FURNISHED BY OTHERS
   It is understood that the following services are not included and are to be provided by others:
   e. Electricity for construction
   f. Uninterrupted water for construction
   g. Sterilization and sanitation of tank
   h. All permits and government fees
3. QUOTATION
   We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

   Total Lump Sum: $ 34,400.00

   Based on monthly estimates for work completed and materials on hand, your payments, less retainage, are to be received by us in our office at 115 SW 140th Terrace, Newberry, Florida 32669, within five days after receipt of the Owner's payment. Our retainage will be reduced as your net retainage is reduced. In the event of default on the date of final payment, it is agreed that interest will be paid at the rate of 15% per annum on the outstanding balance. Any reasonable legal or other expense necessary for the enforcement of this contract or for collection of monies due shall be borne by the party at fault.

4. COMMENCEMENT AND COMPLETION
We are prepared to furnish sufficient labor, materials and equipment to complete the work within approximately 2 weeks after a mutually agreeable start date.

5. SHOP DRAWINGS AND DESIGN DATA
We will submit all data required, including complete computations, shop drawings and specifications for approval prior to starting work.

6. BOND
The cost of a payment-performance-maintenance bond, issued for a one-year period, is to be added to the bid price if required. The price for this bond is $12.00 per $1,000.00. If utilizing sub-guard, any bonds required will be added to the tank price.

7. SAFETY
This proposal is based on performing the work in accordance with Precon Corporation's Safety Program, which meets or exceeds CFR 1926 OSHA Standards. If any additional safety requirements are placed upon us, such as additional site training or safety equipment, the cost for such additional requirements plus overhead shall be reimbursed to us.

8. DELAYS
It is agreed that we shall be permitted to prosecute our work without interruption. If delayed at any time for a period of 24 hours or more by an act or neglect of the owner, his representative or other contractor employed by him, or by reason of any changes ordered in the work, we shall be reimbursed for our actual additional expense caused by such delay, including loss of use of our equipment, plus overhead and profit.

9. INSURANCE
Precon will furnish an insurance certificate showing coverage of liability, property and worker's compensation insurance upon request. Our insurance will be carried in accord with the general condition requirements. An additional amount will be added to our subcontract price if there are any extra requirements. Builder's Risk insurance will be carried in accord with general conditions requirements.

10. ACCEPTANCE
This proposal is offered for your acceptance within 15 days. This proposal is based on the conditions of the AIA Standard Form of Agreement Between Contractor and Subcontractor, and it shall be made part of any subcontract.

Accepted: Bryan K. Gongre

By: Bryan K. Gongre

Title: Regional Mgr.

Date: 3/3/2020

Offered: Precon Corporation

By: _____
Adrian Moore

Title: Project Manager
Special Projects

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-32) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	Budget Change	**Assigned Project #**	2018116
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	8/19/2020
Project Name:	TV I&I Redzone Inspection / Corrections		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330020.15
Business Unit:	241100 **TIERRA VERDE UTILITIES INC**	**CO #:**	241
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	Gary Rudkin
Start Date:	8/31/2018 Q3 2018	**Region:**	Florida 04
Estimated End Date:	12/31/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No	Project Type: *(Select one-->)*	Maintenance 002
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:		175,064	175,064
This Request:		**26,590**	**26,590**
Still to be Requested:			0
Total Project Budget:	**0**	**201,654**	**201,654**

Description:

This project scope and budget change addresses deficiencies in the 18" GSM running along Pinellas Bayway. Redzone did not have the capability to inspect the 18" GSM with their equipment. A local contractor (T-N-T) was called in to complete a cleaning and CCTV inspection with more robust equipment. This review specific sections of the 18" GSM that require repairs or rehabilitation to correct the tuberculation, mainly piping that is running through stormwater conflict structures and is ductile iron pipe that has tuberculated internally. This piping will require chain cleaning and lining with CIPP to eliminate future tuberculation of the internal cast iron and reestablish the hydraulic capacity of the pipe at proper grade. There is also a section of pipe where previous lining work has failed and needs to be redone. That area of lining is over 20 years old and the lining has separated from the pipe. The following tasks are needed to complete this work.

1) Clean and video inspect 688 LF of 18" piping.
2) Remove tuberculation in 18" piping by chain cleaning.
3) Remove 5 LF of defective liner from 18" piping with cutter head.
4) Install 688 LF of liner using CIPP methods in the 18" piping.
5) Reinstate 9 each service laterals.
6) Cut out 2 each protruding taps in 18" piping prior to CIPP work.

The initial components of this project included:
1) Video inspect and geolocate 64,300 LF of 8", 10" gravity sewer main (GSM).
2) Inspect all 253 manholes in the system with a Level 1 inspection.
3) Provide ICOM3 implementation, configuration & professional services.
4) Remove blockages found by the use of the autonomous cameras using jetter and vacuum truck equipment.

Timeline Considerations:

Tierra Verde is a collection system only with all wastewater treated by the city of St. Petersburg. Currently, UIF is working on contract renewal with the city and as part of the terms of the agreement, St. Petersburg requires an ongoing effort to manage our system such that the risk of excess I & I loading on their treatment and conveyance facilities is reduced.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The lining of the 18" GSM along Bayway will reduce the risk of spills due to the current tuberculation issues in the stormwater conflict structures by chain cleaning and CIPP lining. The liner will eliminate the possibilities of future tuberculation in the ductile iron piping. The CIPP will also provide better scouring and thus less solids deposition compared to the DIP.

The Tierra Verde collection system, comprised of about 65,000 LF of gravity mains and more than 250 manholes, is located south of St. Petersburg on islands on the Gulf Coast of Florida. There are approximately 1,000 service points that generate about 0.350 mgd AADF. Development began in 1978 with the construction of an 18" concrete trunk line followed quickly by many other projects. The customer base includes many M/F units (condos and apts) that are seasonally occupied as well as S/F homes and light commercial accounts. The maximum surface elevation is approximately 6 - 8 ft. above sea level. The surficial aquifer is tidally influenced and usually <3' from the surface. Flood waters are an issue during major storm events resulting in inundated roadways, swales, sidewalks, etc.

Video inspecting all of the TV system at one time offers an opportunity to identify the location of blockages in the gravity mains, manhole conditions, and deficiencies in mains and taps so that they can be fixed thereafter. Since the wastewater flow is treated by the city of St. Pete and the annual treatment cost is based on monthly volume, minimizing sources of excess I&I will avoid increases in annual operating expense.

The project will provide accurate geolocation data for all manholes, which will be input to OMS.

Risk Evaluation

The extreme tuberculation of the 18" DIP at the conflict structures increases the risk of a blockage in this trunk line that could result in SSO's from manholes on Pinellas Bayway. This would like result in raw wastewater entering waters of the state due to the location of the GSM in very close proximity to a marine environment.

The risks included the possibility that the groundwater flooding could potentially overwhelm the collection system with excessive inflow resulting in environmental and health hazards caused by SSO's in the community. The system contains a combination of VCP, concrete and PVC pipe materials. Most of the VCP material has been inspected previously but not in the last five years. Because this is a coastal system with a high groundwater table, this pipe network is highly susceptible to excess I & I.

Alternatives Considered:

Clean and video inspect only 10% of the system this year in conformance with company maintenance guidelines. This approach may not identify critical deficiencies that need immediate fixing and thus incur elevated O&M expense in the interim.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
10125	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	12/31/2018	200.00	
14058	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/15/2019	346.24	
14059	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/15/2019	100.00	
14061	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/15/2019	346.24	
14083	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14087	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14080	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14081	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14082	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14084	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14085	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14086	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14088	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14092	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/29/2019	346.24	
14158	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2019	100.00	
14157	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2019	346.24	
16642	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/12/2019	346.24	
16644	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/12/2019	43.28	
16588	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/12/2019	562.64	
16587	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/12/2019	346.24	
16690	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/28/2019	2,466.96	
16652	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/28/2019	1,687.92	
19101	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/15/2019	200.00	
19102	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/15/2019	100.00	
33352	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	10/31/2019	100.00	
33354	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	10/31/2019	100.00	
48160	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	12/15/2019	100.00	
49255	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2020	216.40	
63701	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	05/15/2020	50.00	
63700	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	05/15/2020	50.00	
63702	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	05/15/2020	157.50	
238993	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330010 State of FL Cost Center	08/12/2020		
238990	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330010 State of FL Cost Center	08/19/2020		
308937	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
381651	Florida-TV I & I REDZONE INSPECTION	Captime	Captime	2410-330010 State of FL Cost Center	10/20/2020		11,428.30
16648	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	02/28/2019	1,630.00	
16649	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	02/28/2019	2,100.00	
19103	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	03/27/2019	72,071.20	
21494	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	04/24/2019	4,320.00	
96076	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	2,521.00	
96077	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	-2,521.00	
96078	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	-2,521.00	
94231	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	2,521.00	
94381	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	2,521.00	
94421	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	-2,521.00	
46095	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	2,521.00	
46099	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	-2,521.00	
46391	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2019	2,521.00	
55034	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	04/30/2020	3,240.00	
428189	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/12/2020	68,670.40	
488109	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	11/30/2020	1,163.01	
493103	Florida-TV I & I REDZONE INSPECTION	Contractor/Labour	Contractor/Labour	2410-330020 Tierra Verde Utilities Inc	12/08/2020	17,896.80	173,612.41
10126	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	12/31/2018	1.51	
14067	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	129.84	
14060	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	346.24	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
14063	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	173.12	
14062	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	216.40	
14064	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	173.12	
14065	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	86.56	
14066	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/15/2019	129.84	
14089	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/29/2019	173.12	
14090	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/29/2019	173.12	
14091	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/29/2019	173.12	
14093	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2019	36.88	
14156	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2019	346.24	
14159	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2019	43.28	
14160	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2019	43.28	
16589	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	173.12	
16590	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	173.12	
16591	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	216.40	
16592	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	346.24	
16643	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	75.74	
16593	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	346.24	
16586	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/12/2019	270.50	
16645	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/15/2019	86.56	
16647	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/15/2019	86.56	
16646	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/15/2019	173.12	
16653	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/28/2019	-2,466.96	
16650	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/28/2019	74.72	
16651	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/28/2019	-1,687.92	
19104	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	03/31/2019	650.58	
21493	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	04/15/2019	216.40	
21495	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	04/30/2019	683.09	
24374	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	05/31/2019	683.09	
49254	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2020	-216.40	
152033	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	06/30/2020	86.00	
152034	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	06/30/2020	646.26	
195180	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	07/31/2020	86.00	
195181	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	07/31/2020	646.26	
258106	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	08/31/2020	87.58	
258113	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	08/31/2020	646.26	
357043	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	09/30/2020	87.78	
357040	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	09/30/2020	646.26	
391117	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	10/31/2020	88.57	
391141	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	10/31/2020	646.26	
488099	Florida-TV I & I REDZONE INSPECTION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	11/30/2020	88.57	5,885.67
							190,926.38

RedZone® ROBOTICS

Proposal from RedZone Robotics for:

FL Tierra Verde Sewer Pipeline Conditional Assessment

Submission Date: July 31, 2018

Prepared for:
Utilities Inc of Florida
200 Weathersfield Ave
Altamonte Springs, FL 32714

Submitted By:
Doug Boccuti
RedZone Robotics, Inc.
407-404-0882 Phone
dboccuti@redzone.com

For:
Patrick Flynn
Vice President
Utilities Inc of Florida
200 Weathersfield Ave
Altamonte Springs, FL 32714

RedZone® ROBOTICS

Cover Letter

July 31, 2018

Mr. Patrick Flynn
Vice President
Utilities Inc of Florida
200 Weathersfield Ave
Altamonte Springs, FL 32714

RE: FL Tierra Verde Sewer Pipeline Conditional Assessment Proposal

Dear Mr. Flynn:

RedZone Robotics would like to thank Utilities Inc of Florida for the opportunity to submit our qualifications for sewer pipeline conditional assessment. Our company has been providing condition assessment services throughout over 200 cities in the United States, Canada and internationally, and we look forward to the opportunity of helping Tierra Verde utilize the advanced technological capabilities that will provide a cost efficient and accurate analysis of the sewer infrastructure.

As a leader and innovator in advanced pipeline assessment, RedZone Robotics pioneered inspection for wastewater collection systems. The industry demanded robotic platforms and highly advanced data to analyze aging infrastructure, and RedZone met this challenge with multi-sensor inspection technology, known as MSI. MSI uses digital CCTV, laser profiling, and sonar to provide a complete profile of critical large and mid-size diameter pipes. Responder, HD Profiler, and MD Profiler, RedZone's mid and large diameter inspection platforms, are ideal for both the size and the demanding conditions associated with larger pipes. The results obtained from our MSI offerings have enabled wastewater managers and engineers to obtain a truer picture of their interceptor system, and thereby make significantly better decisions about the maintenance of critical, main pipes.

The Solo platform is an autonomous robot that provides a highly efficient, cost effective, and versatile way to inspect the massive quantity of 8" to 12" pipes that are part of all collection systems. Solo is compact, lightweight, and easily deployed in any location accessible by a technician, allowing you to access manholes that a traditional truck-based CCTV platform could not. The Solo Manhole Inspection Unit can provide MACP standard report acquiring all the specific characteristics and GPS Coordinates.

Having all the collected data, RedZone' web-based ICOM, Sewer Asset Management software ties together your past and present inspection results in a centralized database of collection system information, enabling an organization to budget, plan, and maintain their system. ICOM users have access to an interactive GIS map of their collection system along with a wide range of capabilities, including decision support with risk analysis and work order management. This translates to more cost efficient and effective capital improvement projects, more tightly integrated inspection viewing, and improved prioritization of repairs and maintenance.

RedZone's advanced pipeline assessment technology provides organizations with the knowledge and decision-making capabilities to successfully and proactively manage a collection system.

Thank you for your consideration.

Doug Boccuti
RedZone Robotics, Inc.
407-404-0882 Phone
dboccuti@redzone.com

RedZone Robotics, Inc.
91 43rd Street, Suite 250 Phone 412.476.8980
Pittsburgh, PA 15201 Fax 412.476.8981
www.redzone.com

RedZone® ROBOTICS

Project Scope & Pricing

SCOPE:

RedZone Robotics will assess 64,300 LF of 8" through 12" sanitary pipe segments utilizing the sensor of CCTV, and 253 (based on map count) Level 1 manhole inspections including Solo inspection, GPS as well as resulting in both PACP and MACP coding. The data will be included on RedZone's asset management program, ICOM.

PRICING:

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Price
1	Mobilization and De-Mobilization	1	Each	$2,000.00	$2,000.00
2	8-12" Asset Characterization - Solo	64,300	Lineal Foot	$0.80	$51,440.00
3	Level 1 Manhole Inspection	253	Each	$120.00	$30,360.00
4	ICOM3 Implementation, Configuration, & Professional Services	10	Each	$150.00	$1,500.00
				Total Project Price	**$85,300.00**

Proposal Notes & Exclusions:

1. RedZone shall provide all the labor, equipment and material required to perform the Project Scope.
2. RedZone excludes prevailing rate wages.
3. RedZone excludes bonding.
4. RedZone excludes traffic control permitting and any traffic control beyond basic cones and signs.

Acceptance

Client signature below will be regarded as Acceptance and Notice to Proceed

Signature: _____

Name: Patrick C. Flynn

Title: Vice President

Date: 8/13/2018

RedZone Robotics, Inc.
91 43rd Street, Suite 250
Pittsburgh, PA 15201
Phone 412.476.8980
Fax 412.476.8981
www.redzone.com

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER, LLC



DATE 10/9/2019 Lic # CUC1224524
Invoice # 19-931
Customer ID

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

Phone # 727-856-5400
Fax # 727-856-3400

Your Po #

Comments or special instructions:

Description	AMOUNT
Tierra Verde - Jetting / Cleaning Down Pinellas Bayway	
10/1/19 - 645' of 18inch Line	
10/2/19 - 900' of 18inch Line	
10/4/19 - 300' of 18inch Line	
1845 ft Total	
Cameraing 1845 ft - $1/ft	$ 1,845.00
Vactruck Jetting - $2.50/ft	$ 4,612.50
Dumping Fees - $65/ton	
- 10/3/19 5.61 Tons Dumped	
- 10/4/19 3.63 Tons Dumped	
9.24 Tons Total	600.6
TOTAL	**$7,058.10**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

20-02-021340

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER, LLC



DATE 12/31/2019
Invoice # 19-937
Customer ID

Lic # CUC1224524

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

Phone # 727-856-5400
Fax # 727-856-3400

MW 2-11-20

Your Po #
#334340

Comments or special instructions:

Description	AMOUNT
Tierra Verde Sewer Main Cleaning	$ 3,240.00
3.50$/ft for vactruck Heavy Cleaning	
1.00$/ft for camera work	
Two Lines 720 FT x 4.50/ft	
900-936	
860-900	
54 % Completion	
TOTAL	**$3,240.00**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

20-02-021374

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER, LLC



DATE 1/22/2020
Invoice # 20-900
Customer ID

Lic # CUC1224524

MW 1-28-20

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

Phone # 727-856-5400
Fax # 727-856-3400

Your Po #
#332907

Comments or special instructions:

Description		AMOUNT
Cameraing and Jetting/Vac 18 inch Sewer Main		
1/13/20 - 1/14/20		
Manhole 936-1060 (388 FT of heavy Cleaning)		$ 1,746.00
Manhole 1060 - 1100 (375 Ft of Heavy Cleaning)		$ 1,687.50
Manhole 1100 - 1120 (355 Ft Normal Cleaning)		$ 887.50
Totalling 1118FT		
Cameraing 1118FT		$ 1,118.00
73% Completion		
6.95 Tons Dumped x 75/ton		$ 521.25
	TOTAL	**$5,960.25**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

20-02-021400

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER, LLC



DATE 2/7/2020
Invoice # 20-901
Customer ID

Lic # CUC1224524

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

Phone # 727-856-5400
Fax # 727-856-3400

MW 2-11-20

Your Po #
334330

Comments or special instructions:

Description		AMOUNT
Camera/ Jetting/ Vactruck		
1120 -> Firehourse (328 ft)		
Firehouse -> County Manhole (317ft)		
Totalling 645 ft x $2.50 ft		$ 1,612.50
dumped 2.45 Tons x $75 per ton		$ 183.75
Camera 645ft x $1.00 ft		$ 645.00
Completetion : 83%		
	TOTAL	**$2,441.25**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

6967 N. Palmer Way
Hernando, FL 34442

352-302-8672
Fax 352-860-2663



T-N-T SEWER LLC



DATE 3/10/2020 Lic # CUC1224524
Invoice # 20-902
Customer ID

ATT:
Utilities Inc.
11633 Paradise Point Way
New Port Richey, FL. 34654

Phone # 727-856-5400
Fax # 727-856-3400

Your Po #

Comments or special instructions:

Description	AMOUNT
Camera/ Jetting/ Vactruck	
Last two lines	
2/26/2020 - Jet out 500 ft of 18in main	
2/27/2020 - Jet out last 200ft of 18in by the storm drain conflict box	
All heavy cleaning 5$ a foot	$ 3,500.00
Camera 1$ a foot	$ 700.00
Completetion : 100%	
Dumping:	
11.37 Tons and 10.71 Tons	
22.08 Tons Total x 75$ a ton	1656
TOTAL	**$5,856.00**

Total due in 15 days. Overdue accounts subject to a service charge of 1.5 % per month

THANK YOU FOR THE OPPORTUNITY TO SERVE YOU.

Insituform Technologies, LLC is a subsidiary of Aegion Corporation

Insituform Technologies, LLC

17988 Edison Avenue
Chesterfield, MO 63005
www.insituform.com

Kenny Boeh
Business Development Manager

Phone: (412) 310-8826
Fax: (813) 627-0006
Email: kboeh@aegion.com

8/7/2020

Utilities, Inc. of Florida

Email: wlneal@uiwater.com
Office: 800-272-1919

Re: Tierra Verde 18" Tuberculation Removal and CIPP Lining

Dear Lee,

Insituform Technologies, LLC, ("ITLLC") is pleased to provide the following proposal to **Utilities, Inc.**, hereinafter referred to as "Customer", for the scope of work detailed below for the above-referenced Project.

INSITUFORM SCOPE OF WORK / RESPONSIBILITIES

ITLLC will provide the following:

1. Mobilization and demobilization of personnel, equipment, and materials to and from the Project site. The price presented is based upon one (1) instance of mobilization and demobilization.
2. Install **polyester** resin impregnated CIPP liner in accordance with ASTM F1216 or F1743 using either water or air/pull-in/steam, at the discretion of ITLLC. We have not included any costs associated with the disposal of inversion water.
3. Clean and CCTV inspection of the pipe before the lining process with CCTV inspection after lining is complete as a deliverable.
4. Tuberculation removal in ductile iron pipe.
5. Removal of failed liner.
6. Standard ITLLC one-year warranty from date of installation, excluding any required warranty TV inspection and/or testing.
7. Standard insurance coverage with the following limits:
   General Liability: $2,000,000 per occurrence/$4,000,000 aggregate Auto:
   $2,000,000 Combined Single Limit
   Workers Compensation: Statutory with $1,000,000 Employer's Liability
   The above insurance shall not include Primary and Non-Contributory Coverage and ITLLC shall not provide a Waiver of Subrogation endorsement.

NOTE: Modifications to the Scope of Work/Responsibilities of ITLLC may result in a change in price and/or duration.

ASSUMPTIONS AND QUALIFICATIONS

ITLLC's Proposal Pricing is based upon the following assumptions and clarifications:

1. ITLLC assumes the work will be completed during dry weather conditions.
2. Quantities are estimated. Customer shall be invoiced for actual quantities at the stated unit price. Any changes or reductions to this scope post bid will be subject to a change in price.
3. ITLLC is an open-shop company and shall not be subject to any union requirements or agreements and will not enter into any Project Labor Agreement or any such similar agreement for this Project. Where required by the Contract Documents, ITLLC will pay the Prevailing Wages then in effect for the Project and will submit Certified Payroll Reports in a timely manner.

PROPOSAL PRICING

ITLLC proposes the following pricing for the scope of services described herein:

Item	Description	Unit	Qty	Unit Price	Total Price
1	Mobilization	LS	1	$4,200.00	$4,200.00
2	Clean/CCTV Inspect 18" Diameter	LF	688	$7.00	$4,816.00
3	Tuberculation Removal 18" Diameter at various locations	LS	1	$4,340.00	$4,340.00
4	CIPP 18" - 340-360 & 522-544 Pinellas Bwy	LF	688	$61.20	$42,105.60
6	Service Reinstatement	EA	9	$125.00	$1,125.00
8	Def Liner Removal/18"Sect. Liner 5' -370 Pinellas Bwy	LS	1	$3,500.00	$3,500.00
9	Protruding Tap Removal	EA	2	$421.80	$843.60
10	Clean/CCTV Inspect 6" Diameter	LF	130	$4.20	$546.00
11	CIPP 6" VCP/PVC	LF	130	$60.00	$7,800.00
12	Bypass Pumping 6"	LS	1	$5,000.00	$5,000.00
				Total	**$74,276.20**

*Note: Pricing based on the information provided at time of proposal.

EXCLUSIONS :

The following items are excluded from ITLLC's above Pricing and Scope of Services / Responsibilities stated in this Proposal. These items, if necessary, applicable or otherwise required, shall be furnished by Customer, at Customer's direction and at no cost to ITLLC or may, upon mutual agreement in writing between ITLLC and Customer, be provided by ITLLC at an additional cost:

1. Any and all Permits, licenses and construction easements.
2. Manual operation of any pumping and/or metering stations.
3. Environmental/erosion controls (i.e., hay bales, silt fence, turbidity barriers, cofferdams, dikes etc.) that may be required adjacent to manholes, access points and/or water supply hose.
4. Any costs associated with obtaining effluent water from treatment plant.
5. Any costs associated from disposal of debris from Cleaning and CCTV inspection of sewer mains.
6. Burial and/or ramping of discharge or bypass hose/pipe.
7. Maintenance of traffic.
8. Any voids, missing bricks, major leaks in manhole structures for MH Rehabilitation.
9. Obstruction removal (calcium, concrete, mineral deposits, roots, etc.) and/or protruding tap removal.
10. Point repairs of any kind.
11. Any additional charges associated with the disposal of cure water.
12. Repair of pipe damaged during any industry standard high-pressure jet cleaning operations, preparation or lining and any subsequent cleaning necessary to remove debris that has fallen into the pipe as a result of any such collapse or repair.

13. Locations of and access (of ITLLC equipment and/or personnel) to all catch MH's/ catch basins associated with the project and as required by ITLLC's work plan.
14. Equivalent pipe diameter access from the invert to the street level at each installation site.
15. Payment and Performance bonds. If payment and performance bonds are required, add 2.5% to the total Project cost.
16. Removal and disposal of any hazardous or toxic materials encountered during the Project.
17. Holiday work, rush delivery or adverse weather work (as defined by ITLLC).
18. Complete independent testing of liner samples from each installation. Will be provided if required per specifications.
19. Certified Professional Engineer stamped designs. Will be provided if required in specifications.
20. State and local sales and/or use taxes.
21. Additional premiums for special insurance coverage(s) specific to this project.

GENERAL TERMS AND CONDITIONS:

1. ITLLC's Proposal is conditioned upon Customer's acceptance of the terms and conditions set forth herein. Customer's ordering of material or services by purchase order or otherwise, shall be treated as Customer's acceptance of such terms and conditions. All terms and conditions in Customer's purchase order or in any other communication to ITLLC, whether submitted previously or subsequently to this Proposal, which are additional to or inconsistent with the terms and conditions of this Proposal are not binding upon ITLLC and shall not be applicable to this Proposal, except to the extent accepted in writing by ITLLC. Any change or amendment to this Proposal, to be binding upon ITLLC, must be accepted in writing by ITLLC.
2. ITLLC has based its Proposal on a nominal wall thickness for the Insitutube as shown in the price. This is based on the best available information at the time of this Proposal. Existing pipe deterioration in excess of the conditions assumed, ground water loads in excess of those assumed, or other loads or conditions may increase the recommended thickness for all or portions of the work. Final recommendations may be submitted to you following the completion of the preliminary TV phase of the project. Stated prices are subject to adjustment if design changes are agreed upon.
3. Specific service connections will be reconnected only when written directions are received from the Customer. The Customer will indemnify and hold ITLLC harmless from all claims arising from backups and other effects of such actions or inaction's from services not opened at the owner's request. In the event that Insituform is unable to locate or reconnect a service lateral internally, the Customer will externally reconnect the service at no cost to ITLLC.
4. This Proposal is valid for 30 days, unless otherwise extended by ITLLC.
5. PAYMENT: Payment is due in full, without exception or retention, within 30 days of the date of the invoice. Monthly partial progress payments may be requested for the value of work in progress or completed, including materials delivered to the Project site. Payments due and unpaid shall bear interest at the rate of 1½ % per month from the date payment is due. Should ITLLC incur costs or expenses to collect monies claimed due hereunder from Customer, Customer shall pay to ITLLC, in addition to all other sums due to ITLLC, attorneys' fees, consultants' costs, and other expenses and costs, including but not limited to litigation and/or arbitration expenses and arbitrator compensation, in connection therewith.
6. ITLLC is not a union shop and shall not be subject to any union requirements or agreements or project labor agreements. On public projects where required, ITLLC will pay prevailing wages as identified by Customer prior to submission of this Proposal.
7. Should ITLLC learn of any information that causes ITLLC concern about Customer's ability to pay and/or perform any of its obligations owing to ITLLC under Proposal, ITLLC has the right to request Customer to provide ITLLC adequate assurance of due performance on such terms as are deemed reasonable by ITLLC when acting in good faith, including the right to await full or partial payment from Customer as required by ITLLC. In such an instance, ITLLC may suspend its performance pending ITLLC's receipt of adequate assurance of due payment and/or performance in a manner found acceptable by ITLLC.
8. ITLLC shall not be responsible for any inability to perform under this Proposal or for any loss or damage due to delays or disruptions resulting directly or indirectly from, or contributed to by, any act of God, action or omission of Customer, act of civil or military authorities, fire, strike or other labor dispute, accident, flood, adverse weather, war, riot, terrorism, transportation delay, inability to obtain material or

fuel supplies, or any other circumstances beyond ITLLC's reasonable control, whether similar or dissimilar to any of the foregoing. If ITLLC crews are delayed on site for reasons beyond the control of ITLLC, then ITLLC's standby time will be invoiced to Customer at an hourly rate of **$1,000** per hour.

9. Claims for Changed, Concealed or Unknown Conditions: If conditions are encountered at the site which are (1) materially changed; (2) subsurface or otherwise concealed physical conditions which differ materially from the information upon which this Proposal is based or (3) unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for herein, then the Proposal Price and Time shall be equitably adjusted to address the conditions, where prior written notification and approval of claims exist.
10. LIMITED WARRANTY: ITLLC WARRANTS TO CORRECT ANY DEFECT IN THE MATERIALS OR SERVICES PROVIDED BY ITLLC WHICH ARE BROUGHT TO THE ATTENTION OF ITLLC IN WRITING WITHIN ONE YEAR FOLLOWING COMPLETION OF ITLLC'S WORK, PROVIDED CUSTOMER AFFORDS ITLLC SUITABLE ACCESS AND WORKING CONDITIONS TO ACCOMPLISH SUCH CORRECTION.
11. Except for the express warranty forming a part of this Proposal, ITLLC DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY. ITLLC'S LIABILITY TO CUSTOMER, WHETHER IN CONTRACT, WARRANTY, TORT OR OTHERWISE, IS LIMITED TO THAT PERMITTED UNDER THIS PROPOSAL, ITLLC Shall NOT BE LIABLE TO CUSTOMER FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE, LOST TIME, DELAY, DISRUPTION, INTERFERENCE, LOSS OF PRODUCTIVITY, INCONVENIENCE, LOST INCOME, OR LOST PROFITS.
12. This agreement may be terminated by either party upon seven (7) days written notice should the other party fail substantially to perform in accordance herewith through no fault of the party initiating the termination.
13. The terms and conditions of this Proposal form the entire agreement between the parties. All other terms, proposals, negotiations, representations, recommendations, statements or agreements, whether made or issued contemporaneously or previously, are excluded from and are not a part of this Proposal, and have no binding or enforceable effect. This Proposal, if accepted, shall be binding on the parties and their respective successors and assigns.

The information contained in this letter is proprietary to Insituform Technologies, LLC. and shall be retained by the recipient in confidence and shall not be published or otherwise disclosed to third parties without the express written consent of Insituform Technologies, LLC. The foregoing shall not preclude the use of any data which (i) was in its possession without restriction as to use prior to receipt as proprietary of the same or similar data from Insituform Technologies, LLC., (ii) is or becomes available from a public source on or after such receipt from Insituform Technologies, LLC. or (iii) is obtained by the recipient from a third party not under obligation of confidentiality or other restriction with respect to use.

Please do not hesitate to contact me with any further questions.

Very truly yours,
Insituform Technologies, LLC.

Kenny Boeh
Business Development Manager

Accepted By: Patrick C. Flynn Date: August 18, 2020
(signed)

Patrick C. Flynn Title: Vice President of Operations
(print name)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-33) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	Budget Change		**Assigned Project #**	2019087
Requested by:	Michael Wilson *Project Manager / Area Manager*		**Date:**	12/9/2019
Project Name:	TV FM / GSM Relocation			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	241100	**TIERRA VERDE**		
Project Owner:	Patrick Flynn		**BU Type:**	SP
Project Manager:	Michael Wilson		**Budget Owner / RP:**	John Hoy
Start Date:	6/17/2019	Q2 2019	**Region:**	Florida 4
Estimated End Date:	1/31/2020	Q1 2020	**State:**	FL
Primarily Like-For-Like Asset Replacment?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:		451,225	451,225
This Request:		**51,905**	**51,905**
Still to be Requested:			0
Total Project Budget:	**0**	**503,130**	**503,130**

Project Type: *(check all that apply)*

- [x] Growth
- [x] Maintenance
- [x] Replacement
- [x] Upgrade
- [ ] Cost Reduction
- [x] EH&S Compliance
- [x] Other
- [ ] Developer Agreement
- [ ] Divestment
- [ ] Acquisition
- [ ] Rate Case
- [ ] Deferred Maintenance

Description:

12/9/2019
This BCF submittal defines a change order in the amount of $51,905.00 as a result of additional services needed to accomplish unforeseen conflicts. A total of 16 additional work days were added to the project as noted on the attached Change Order #1.
1) A large concrete slab was found under the roadway that required removal by the contractor. The slab was blocking the open cut excavation where the FM crossed Madonna Blvd.
2) Several days of hand digging to expose existing electrical conduit duct bank, restrain a power pole and adjust FM route around electrical equipment within the area of the new 8" force main.
3) Removal of the original 10" FM from the R-O-W.
4) Cut and cap the 10" FM while keeping LS 4 in service and avoiding any SSO.

This project consists of three project components identified below as items A, B and C. Included in the initial phase are the engineering services and construction of items A & B. Item C will be constructed as a separate task after additional qualified bids are received and evaluated.

Phase 1, Force Main and Gravity Sewer Main:

Item A, Force Main Replacement

1) Approximately 1,150 LF of 8" HDPE force main via directional drill.
2) 340 PVC force main via open cut/direct bury

Item B, Gravity Sewer Main replacement

3) CIPP lining of 178 LF of 8" PVC gravity sewer
4) CIPP lining of 63 LF of 12" PVC gravity sewer
5) CIPP lining of 100 LF of 24" VCP gravity sewer
6) Open cut installation of 55 LF of 8" PVC gravity sewer
6) Construction of (1) standard concrete manhole and (1) doghouse manhole

Item C, Lift Station 4 Replacement

Timeline Considerations:

This project is driven by the installation of a traffic circle on Pinellas Bayway by FDOT in conjunction with the completion of the replacement bridge on the Tierra Verde access road. The installation of the traffic circle requires that we relocate gravity sewer main, force main and Lift Station 4 to accommodate FDOT plans. Kimley-Horn, our engineer, is recommending Notice To Proceed no later than May 31, 2019. Otherwise, we will risk incurring FDOT penalties for delaying the schedule of FDOT's prime contractor.

Inter-dependant Project	Project Number:	2019173	Project Name	TV LS 4 Replacement	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	2019086	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Tierra Verde system is a collection system with the oldest components installed in 1963 and with wastewater treatment and disposal provided by the City of St. Petersburg in Pinellas County. An existing 8" ductile iron force main on Pinellas Bayway experienced pipe failure in June 2017. The pipe was approximately 30 years old. Specifically, a 40 LF section of 8" DIP failed;. The crown of the pipe collapsed from corrosion resulting in a sewer spill about 10 feet east of a sea wall. The failed section of DIP was replaced with C-900 PVC through open cut methods and the FM was returned to service.

Following this event, a contractor attempted to video inspect and analyze the condition of the force main. However, the force main was found to have heavy sedimentation in the bottom of the pipe as a result of poor scour from the lift station pumps making it impossible to push a camera through. It was also determined that the low scour velocity had created an opportunity for off-gassing to accumulate and ultimately degrade the pipe's conditon to a point of failure. The entire run of 1,490 LF of force main warrants replacement reflecting its size, age, pipe material, condition, location of the FM next to a sea wall, high water table and the high consequence of failure.

The project was delayed for two years due to Florida Department of Transportation (FDOT) informing the Utility of its plan to replace the draw bridge that provides the sole access to the island. A proposed traffic circle on Pinellas Bayway conflicted with the force main and gravity sewer main on Pinellas Bayway and Lift Station 4 on Madonna Boulevard just west of the intersection with the Bayway. The FM, GSM and LS are all located within the county's road R/W. Lift Station 4's wet well is essentially a converted manhole of shallow depth that is too small to prevent the pumps from rapidly cycling on and off. Redevelopment of waterfront property near the lift station will soon increase the flow through the station.

The Phase 2 project scope includes the relocation of the gravity main and the lift station to accommodate the FDOT road project. This project includes the relocation and installation of a new force main and realignment of a short segment of 8" GSM. It also includes the lining of 63 LF of 12" clay pipe, 178 LF of 8" clay pipe and 100 LF of 24" clay pipe using CIPP methods.

Risk Evaluation

All of the mentioned wastewater facilities are located on an island community with direct stormwater run off to the Gulf of Mexico and/or waters of the state. The existing force main has been found to be sub-standard requiring complete replacement. The existing gravity sewer requires adjustment to meet the requirements of the FDOT project within the road ROW. The lift station is over 30 years old and past the end of its expected service life. Because Lift Station 4 is located outside the bounds of FDOT's project, it's replacement was postponed, which allowed for a revised design that will be easier to construct. The LS replacement will be a separate project with its own budget and timeline.

Alternatives Considered:

Technical Review Summary:

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019086
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	5/22/2019
Project Name:	TV Engineering LS 4 / FM / GSM		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	241100 **TIERRA VERDE**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	John Hoy
Start Date:	6/17/2019 Q2 2019	**Region:**	Florida 4
Estimated End Date:	12/31/2019 Q4 2019	**State:**	FL
Primarily Like-For-Like Asset Replacment?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**80,542**		**80,542**
Still to be Requested:			0
Total Project Budget:	**80,542**	**0**	**80,542**

Project Type: *(check all that apply)*

- ☑ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project consists of engineering support activites associated with the construction of facilities associated with Tierra Verde Lift Station 4, it's force main and the relocation and lining of gravity sewer main. Services include engineering design, project documents, county R/W permitting, DEP permitting, coordination with other utilities within the project envelope, contract bidding, and construction oversight.

Timeline Considerations:

This project is driven by the installation of a traffic circle on Pinellas Bayway by FDOT in conjunction with the completion of the replacement bridge on the Tierra Verde access road. The installation of the traffic circle requires that we relocate gravity sewer main, force main and Lift Station 4 to accommodate FDOT plans. Kimley-Horn, our engineer, is recommending Notice To Proceed no later than May 31, 2019. Otherwise, we will risk incurring FDOT penalties for delaying the schedule of FDOT's prime contractor.

Inter-dependant Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Tierra Verde system is a collection system with the oldest components installed in 1963 and with wastewater treatment and disposal provided by the city of St. Petersburg in Pinellas County. An existing 8" ductile iron force main on Pinellas Bayway experienced pipe failure in June 2017. The pipe was approximately 30 years old. Specifically, a 40 LF section of 8" DIP failed;. The crown of the pipe collapsed from corrosion resulting in a sewer spill about 10 feet east of a sea wall. The failed section of DIP was replaced with C-900 PVC through open cut methods and the FM was returned to service.

Following this event, a contractor attempted to video inspect and analyze the condition of the force main. However, the force main was found to have heavy sedimentation in the bottom of the pipe as a result of poor scour from the lift station pumps making it impossible to push a camera through. It was also determined that the low scour velocity had created an opportunity for off-gassing to accumulate and ultimately degrade the pipe's conditon to a point of failure. The entire run of 1,490 LF of force main warrants replacement reflecting its size, age, pipe material, condition, location of the FM next to a sea wall, high water table and the high consequence of failure.

The project was delayed for two years due to Florida Department of Transportation (FDOT) informing the Utility of its plan to replace the draw bridge to the island and then install a traffic circle on Pinellas Bayway that would conflict with the force main and gravity sewer main on Pinellas Bayway and Lift Station 4 on Madonna Boulevard just west of the intersection with the Bayway. The FM, GSM and LS are all located within the county's road R/W. Lift Station 4's wet well is essentially a converted manhole of shallow depth that is too small to prevent the pumps from rapidly cycling on and off. Redevelopment of waterfront property near the lift station will soon increase the flow through the station.

The Phase 2 project scope includes the relocation of the gravity main and the lift station to accommodate the FDOT road project. This project includes the relocation and installation of a new force main and realignment of a short segment of 8" GSM. It also

Risk Evaluation

All of the mentioned wastewater facilities are located on an island community with direct stormwater run off to the Gulf of Mexico and/or waters of the state. The existing force main has been found to be sub-standard requiring complete replacement. The existing gravity sewer requires adjustment to meet the requirements of the FDOT project within the road ROW. The lift station is over 30 years old and past the end of its expected service life.

Alternatives Considered:

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
27827	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	06/30/2019	100.00	
27828	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	06/30/2019	361.44	
31684	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/15/2019	100.00	
31681	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/15/2019	361.44	
31682	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/15/2019	200.00	
31683	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/15/2019	50.00	
31685	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/31/2019	225.90	
31686	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	07/31/2019	200.00	
34928	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	08/15/2019	361.44	
34929	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	08/15/2019	100.00	
34930	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	08/31/2019	361.44	
34931	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	08/31/2019	180.72	
34934	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	08/31/2019	100.00	
38372	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	09/15/2019	90.36	
38373	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	09/30/2019	361.44	
33350	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	10/31/2019	100.00	
33351	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	10/31/2019	100.00	
33353	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	10/31/2019	100.00	
45329	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	11/15/2019	361.44	
45827	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	11/30/2019	361.44	
45828	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	11/30/2019	50.00	
45829	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	11/30/2019	50.00	
48170	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	12/15/2019	361.44	
48171	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	12/15/2019	180.72	
49349	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2020	90.36	
49350	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2020	225.90	
49351	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	01/31/2020	135.54	
50604	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/15/2020	100.00	
50605	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/15/2020	100.00	
49999	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/29/2020	361.44	
50000	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/29/2020	180.72	
50001	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	02/29/2020	361.44	
48750	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/15/2020	100.00	
48751	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/15/2020	100.00	
48749	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/15/2020	100.00	
53082	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	03/31/2020	102.00	
54505	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	04/15/2020	100.00	
54097	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	04/30/2020	100.00	
54098	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	04/30/2020	100.00	
53814	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	04/30/2020	100.00	
63699	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	05/15/2020	184.96	
106208	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	06/08/2020		
106204	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	06/11/2020		
106203	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	06/12/2020		
166240	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	07/07/2020		
161713	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	07/08/2020		
349565	Florida-TV LS 4 / FM / GSM RELOCATION	Captime	Captime	2410-330010 State of FL Cost Center	09/25/2020		7,361.58
27826	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	06/30/2019	3.47	
31635	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	07/31/2019	1,423.97	
34926	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	08/31/2019	2,201.52	
38187	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	09/30/2019	2,205.14	
42744	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	10/31/2019	2,522.50	
45436	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	11/30/2019	3,352.17	
48169	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	12/31/2019	3,356.25	
49352	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2020	3,359.81	
50603	Florida-TV LS 4 / FM / GSM RELOCATION	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/29/2020	3,368.12	21,792.95
31636	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/06/2019	187,331.40	
31643	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	42.31	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
31637	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	20.48	
31638	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	10.00	
31640	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	9.77	
31641	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	10.26	
31642	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	188.88	
31680	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	9.84	
31639	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/23/2019	10.64	
34927	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	08/01/2019	102,224.85	
38188	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	09/24/2019	9.89	
38189	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	09/24/2019	2.99	
38190	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	09/24/2019	16.29	
33526	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	20.48	
44159	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	9.84	
44160	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	10.00	
44161	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	10.00	
44163	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	10.26	
44166	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	9.00	
44162	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	10.64	
44204	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/01/2019	9.77	
33667	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/04/2019	41,705.00	
44209	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	10.00	
44205	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	20.48	
44206	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	9.84	
44207	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	10.00	
44210	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	9.77	
44211	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	9.00	
44212	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	10/15/2019	10.26	
45392	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	11/01/2019	37,284.00	
45310	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	11/19/2019	15.92	
45337	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	11/19/2019	6.88	
45001	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	11/25/2019	72,125.00	
49353	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	01/28/2020	22.00	
53233	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	03/31/2020	44,147.70	
53234	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	03/31/2020	12,903.11	
202064	Florida-TV LS 4 / FM / GSM RELOCATION	Site Work	Site Work	2410-330020 Tierra Verde Utilities Inc	07/27/2020	1,500.00	499,766.55
							528,921.08

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September 20, 2016

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

Re: Professional Services Agreement for Tierra Verde Force Main Relocation
Utilities Inc. of Florida, Tierra Verde Force Main Relocation
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for providing design, permitting, and construction services for the Tierra Verde Force Main Relocation.

Project Understanding

The existing 10-inch force main, approximately 1,400 LF, from Lift Station #4 to an existing manhole along Pinellas Bayway S (SR 679) and Madonna Blvd in Tierra Verde, is severely eroded and in need of replacement. The intent of the proposed force main design is to avoid existing utility conflicts and tie into the existing manhole that currently receives flow. Based solely on review of the service area map, compared to the most recent aerial photograph, the anticipated construction cost is $185,000.

Scope of Services

Task 1 – Design
Kimley-Horn will design the proposed 10-inch force main from Lift Station #4 to the receiving manhole along Pinellas Bayway S (SR 679). The plans will be developed using a survey of the proposed route. A survey of this section of Pinellas Bayway South and Madonna Blvd is included as part of Task 1 of our scope of services. The proposed survey will be tied into set benchmarks.

The proposed force main is anticipated to be constructed via open cut and directional drill. As part of our design, Kimley-Horn will evaluate construction techniques to ensure FDOT criteria are met.

Construction plans will be setup in 11" x 17" format, using plan and profile views, including specific cross sections. 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 onsite to review and discuss any comments. Kimley-Horn will revise the plans as necessary and resubmit to the Client.

Task 2 – Permitting
Kimley-Horn will prepare and submit the FDEP Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System, Form 62-604.300(8)(a). This application carries a permit application fee of $250, for Notice of Intent to Use a General Permit. Kimley-Horn will provide all supporting documentation along with the permit.

Note: FDEP permit fees will be paid for by Kimley-Horn and will be included as a reimbursable expense.

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Kimley-Horn will prepare and submit the FDOT utility permit. As previously mentioned, the construction plans will be developed as required by FDOT to permit the proposed improvements. There are no permit fees associated with this application.

Note: Contractor shall be responsible for submitting and obtaining a Pinellas County right-of-way permit if required. Kimley-Horn will provide the contractor the supporting documentation.

Any additional permitting requirements, beyond those listed herein, would be considered an Additional Service.

Task 3 – Construction Phase Services

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 right-of-way permit.

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. Consultant will make up to two (2) 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

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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 a final site visit 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.

Kimley-Horn will prepare Record Drawings based on the contractor's surveyed as-builts.

Services Not Included

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

- Environmental
- Geotechnical
- Structural
- Public Involvement

Information Provided By Client

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

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

Task 1 Design	$14,981.00
Task 2 Permitting (Includes Dee)	$3,076.00
Task 3 Construction Phase Services	$5,985.00
Total Lump Sum Fee	$24,042.00

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

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Closure

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

_X_ 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: W. Wade Wood, III, P.E.
Senior Project Manager

Wayne White, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By: _____, President/Vice President

9/21/16
(Date)

PATRICK C. FLYNN
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, ~~Secretary/Assistant Secretary~~

_____
(Print or Type Name)

Client's Federal Tax ID: 26-2850768
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Kimley»Horn

July 27, 2017

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

Re: Professional Services Agreement for Tierra Verde Lift Station #4 Improvements
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for providing design, permitting, and construction services for the Tierra Verde Lift Station #4 (LS 4) Improvements.

Project Understanding

The existing lift station is located along Madonna Blvd in Tierra Verde, FL. The lift station discharges through a 10-inch force main to a manhole along Pinellas Bayway S (SR 679). The piping in the lift station wet well and valve vault is severely corroded and in need of replacement. In addition, the invert of the gravity pipe coming into the station is at the base of wet well below the low water elevation, causing surcharging in the upstream gravity system. The intent of the proposed lift station improvements is to construct a new lift station wet well and valve vault within the right-of-way northwest of the existing station and to rehabilitate the existing wet well. The existing wet well is intended to be used as a manhole for gravity flow to allow the existing gravity main entering the station to remain in service. Flow will be routed from the existing to the proposed wet well through a new gravity main. The existing electrical service will also need to be relocated.

Scope of Services

TASK 1 – DESIGN

Kimley-Horn will design the proposed lift station improvements using a survey of the surrounding area. A survey of this section of Madonna Blvd is included as part of Task 1 of our scope of services. The proposed survey will be tied into set benchmarks. Geotechnical engineering will also be required for the wet well design. Geotechnical services for one (1) forty-foot bore is included as part of Task 1 of our services.

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

- Standard Cover sheet
- General Notes and Legend
- Lift Station Site Plan and Demolition Plan
- Lift Station Mechanical and Structural Plan
- Lift Station Electrical Plan
- Plan and Profile sheets for proposed gravity main (1=20' horizontal) and (1=2' vertical) (if required)
- Typical details and additional items that may be required

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 onsite to review and discuss any comments. Kimley-Horn will revise the plans as necessary and resubmit to the Client. Kimley-Horn will prepare quantity take-offs and

Kimley»Horn

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.

TASK 2 – PERMITTING

Kimley-Horn will prepare and submit the FDEP Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System, Form 62-604.300(8)(a). This application carries a permit application fee of $250, for Notice of Intent to Use a General Permit. Kimley-Horn will provide all supporting documentation along with the permit.

Note: FDEP permit fees will be paid for by Kimley-Horn and will be included as a reimbursable expense.

Note: Contractor shall be responsible for submitting and obtaining a Pinellas County right-of-way permit if required. Kimley-Horn will provide the contractor the supporting documentation.

Any additional permitting requirements, beyond those listed herein, would be considered an Additional Service.

TASK 3 – 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 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. Consultant will make up to two (2) 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,

Kimley»Horn

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 a final site visit 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:

- Environmental
- 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

Kimley»Horn

Fee and Expenses

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

Task 1	Design (Includes Survey, Geotech, and Electrical)	$39,200.00
Task 2	Permitting (Includes Fee)	$ 3,800.00
Task 3	Construction Phase Services	$12,300.00
Total Lump Sum Fee		$55,300.00

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

Closure

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

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

_X_ 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: W. Wade Wood, III, P.E.
Senior Project Manager

Wayne White, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By:
Patrick C. Flynn, President/Vice President

August 1, 2017
(Date)

Patrick C. Flynn
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Kimley»Horn

August 9, 2019

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

Re: Professional Services Agreement for Tierra Verde Lift Station #4 Redesign
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for providing design, permitting, and construction services for the Tierra Verde Lift Station #4 (LS 4) Redesign.

Project Understanding

The existing lift station is located along Madonna Blvd in Tierra Verde, FL. The lift station discharges through a recently replaced 8-inch PVC and HDPE force main to a manhole along Pinellas Bayway S (SR 679). The piping in the lift station wet well and valve vault is severely corroded and in need of replacement. In addition, the invert of the gravity pipe coming into the station is at the base of wet well below the low water elevation, causing surcharging in the upstream gravity system. The intent of the proposed lift station improvements is to construct a new lift station wet well and valve vault within the right-of-way northwest of the existing station. The existing wet well will be rehabilitated and converted into a manhole, and flow will be rerouted from this manhole through a new gravity main. The existing electrical service will also need to be relocated.

The lift station was initially designed and permitted as part of the Tierra Verde Sanitary Sewer Improvements Project, however, increased construction costs and the conflicting FDOT improvements along Madonna Blvd. will require the lift station to be redesigned and value-engineered. The lift station was previously permitted with FDEP and will only require deviations from the original design to be described in the permit close out process.

Scope of Services

TASK 1 – REDESIGN

Kimley-Horn will redesign the proposed lift station improvements based on the value engineering completed as part of the Tierra Verde Sanitary Sewer Improvements Project. The proposed changes to the lift station design plans and specifications include the following:

- Shifting the proposed lift station to the Northwest to reduce sheeting, bypassing, MOT and support of the existing wet well to prevent undermining during construction
- Modifying gravity pipe design for new lift station location
- Evaluating the wet well installation method based on the geotechnical results to reduce wet well size from 8-ft to 6-ft, and removing the tremie plug design if possible
- Developing Landscaping plan required for Pinellas County ROW Permit
- Updated front end specifications, construction schedule, bid form, and opinion of probable construction cost

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It is assumed that the lift station will be constructed following the completion of the 2019 FDOT Pinellas Bayway Improvement Projects, and that the proposed lift station plan will be based on the proposed changes to Madonna Blvd. Additional geotechnical investigations will also be required for the wet well placement and design. Geotechnical services for two (2) 40-foot SPT bores are included as part of Task 1 of our services.

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

- Standard Cover sheet
- General Notes and Legend
- Lift Station Site Plan and Demolition Plan
- Lift Station Mechanical and Structural Plan
- Lift Station Landscaping Plan
- Lift Station Electrical Plan
- Typical details

Plans will be delivered to the Client electronically for review and comment following the redesign. Kimley-Horn will revise the plans up to three (3) times to address comments and will resubmit to the Client. Kimley-Horn will prepare quantity take-offs and an opinion of probable construction cost and inform Client during the design process of cost changes caused by significant design changes that increase the project construction cost.

TASK 2 – BIDDING AND SERVICES DURING CONSTRUCTION

Kimley-Horn will coordinate with a minimum of five (5) 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 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 four (4) 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

Kimley»Horn

not, during such visits or as a result of such observations of Contractor's work in progress, shall not 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, will 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 a fifth, final site visit 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, nor 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:

- Survey
- Environmental
- 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

Kimley»Horn

Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 2 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1 Design (Includes Geotechnical Services - $3,500.00)	$15,000.00
Task 2 Bidding and Construction Phase Service	$15,000.00
Total Lump Sum Fee	$30,000.00

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

Kimley»Horn

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:

_X_ 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

W. Wade Wood III, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By: _____, President/Vice President

8/9/2019
(Date)

PATRICK C. FLYNN, V.P.
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: 36-2850768
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

QUOTE

Left Coast Utilities

4050 64 Street North
Saint Petersburg, Fl. 33709
Office: 727-581-5252
FAX: 727-581-1603

REV. 1
DATE June 3, 2020

TO **KIMLEY HORN**
100 2nd Ave S Suite 300S
St. Petersburg, FL 33701

Quote Prepared by:	Job Project
Jeff Arrowood 727-581-5252	TIERRA VERDE ELECTRICAL LINE

PAYMENT TERMS	DUE DATE

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	1	Bore 1 x 4" HDPE for approximately 220ft	$8,840.64	8,840.64
	2	Trench 1 x 4" HDPE for approximately 60ft		
	3	Place Pull string		
	4	Place 5 sweeps and tie bores together		
	5	Place (3) 17" x 30" Pull-Box's (plastic)		
			TOTAL	8,840.64
		MATERIAL		
300	6	4" HDPE pipe	3.72	1,116.00
5	7	90 degree sweeps	20.10	100.50
3	8	17" x 30" Pull-Box's (plastic)	197.74	593.22
			TOTAL	1,809.72
		THANK YOU FOR YOUR BUSINESS	**TOTAL**	**10,650.36**

SECTION 00520

AGREEMENT FORM (LUMP SUM)

PART 1 GENERAL

1.01 **THIS AGREEMENT**, made this 24th day of May, 2019, by and between Utilities Inc. of Florida, hereinafter called the Owner, and McKenzie Contracting, LLC, whose principal and local address is 7712 E. Broadway Ave, Tampa, FL 33619, hereinafter called the Contractor.

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

A. Contract Documents

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

B. Scope of Work

The Contractor shall perform all work required by the Contract Documents for the construction of the Tierra Verde Sanitary Sewer Improvements- Project A and Project B (Project C to be completed by others).

C. Contract Time

The Contractor shall begin work after the issuance of a written Notice to Proceed from Owner and shall substantially complete the work within the Contract Time identified in Paragraphs 1.02.C.5 of the Bid Form, which is 60 calendar days. The work shall be finally complete, ready for Final Payment in accordance with the General Conditions, within 30 calendar days from the actual date of substantial completion.

D. Liquidated Damages

OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified in Paragraph C above, plus any extensions thereof allowed in accordance with the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal arbitration proceeding the actual loss suffered by OWNER if the Work is not

substantially complete on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER $500.00 for each calendar day that expires after the time specified in Paragraph C for substantial completion until the work is substantially complete. It is agreed that if this Work is not Finally completed in accordance with the Contract Documents, the CONTRACTOR shall pay the OWNER as liquidated damages for delay, and not as penalty, one-fourth (¼) of the rate set forth above.

E. Contract Price

Lump Sum Contract

The Owner will pay the Contractor in current funds for the performance of the work, subject to additions and deductions by Change Order, the Total Contract Price of $451,225.25 (Project A- $285,336.65, Project B- $165,888.60). Payments will be made to the Contractor based on the Lump Sum Bid amount, the Schedule of Values included as a part of his Bid, which shall be as fully a part of the Contract as if attached or repeated herein, and subject to completion of the work, in accordance with the Contract Documents.

F. Payments

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

G. Retainage

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

H. Engineer

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

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

CONTRACTOR:

McKenzie Contracting, LLC
Name of Firm

By (Signature) (SEAL)

Oliver D. Fernandez Jr. -Owner/Member
Printed Name and Title

ATTEST:

By (Signature)

Valarie K Lowry Chief Business Officer
Printed Name and Title

OWNER:

Utilities Inc. of Florida
Name of Owner

By (Signature) (SEAL)

Patrick C. Flynn, Vice President
Printed Name and Title

ATTEST:

Michael A. Wilson
By (Signature)

Michael Wilson, Regional Manager
Printed Name and Title

END OF SECTION

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SECTION 00410 BID

FORM (LUMP SUM)

REVISED
MARCH
13th 2019

PART 1 GENERAL

1.1 Description

The following Bid, for the (1) Tierra Verde Sanitary Sewer Improvements, is hereby made to (2) Utilities Inc. _____, hereafter called the Owner. This Bid is submitted by (3)
McKenzie Contracting LLC.
7712 E. Broadway Ave, Tampa, Fl. 33619
813-454-4429

(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	x	Dated	xxx
Number	1	Dated	3/10/2019
Number		Dated	
Number		Dated	

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

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.

2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.

3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.

4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within **120** calendar days of the date of the Notice to Proceed.

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

1.3 Lump Sum Price

The undersigned will construct this project for the Base Bid Lump Sum Price of $ $451,255.25 One Million Eight Hundred Thousand One Hundred Two Dollars and Seventy Five cents Dollars ($ 1,800,102.75).

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.

revised 3/13/2019

A. FORCE MAIN PROPOSED IMPROVEMENTS					
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**TOTAL PRICE**
A-1	Mobilization (10%)	1	LS	$24,551.40	$24,551.40
A-2	Maintenance of Traffic	1	LS	$25,000.00	$25,000.00
A-3	Erosion and Sediment Control	1	LS	$7,500.00	$7,500.00
				SUBTOTAL	$57,051.40
A-4	8" PVC (Direct Bury) Including Excavation, Restraints, Fittings. Dewatering	340	LF	$130.00	$44,200.00
A-5	Above Air Release Valve	1	EA	$5,571.25	$5,571.25
A-6	Air Release Valve and Vault	1	EA	$7,800.00	$7,800.00
A-7	8" Plug Valve	3	EA	$4,600.00	$13,800.00
A-8	8" HDPE DR 11 (HDD)	1150	LF	$75.00	$86,250.00
A-9	Force Main Connection and Lift Station Shutdown	1	LS	$30,000.00	$30,000.00
A-10	Pipe Adapters (HDPE to PVC)	1	EA	$230.00	$230.00
A-11	Grout Fill Abandoned 10" Force main	29	CY	$350.00	$10,150.00
A-12	Pavement Repair and Road Restoration (Sub-Base, Base, and Asphalt)	115	SY	$175.00	$20,125.00
A-13	Sidewalk Replacement	125	SY	$75.00	$9,375.00
A-14	Curb Replacement	16	LF	$49.00	$784.00
A-15	Tree/Landscaping Support and Restoration	1	LS	$7,500.00	
TOTAL LUMP SUM PRICE (BASE BID)				$285,336.65	

revised 3/13/2019

B. GRAVITY SEWER PROPOSED IMPROVEMENTS					
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**TOTAL PRICE**
B-1	Mobilization (10%)	1	LS	$21,803.60	$21,803.60
B-2	Maintenance of Traffic	1	LS	$25,000.00	
B-3	Erosion and Sediment Control	1	LS	$7,500.00	$7,500.00
				SUBTOTAL	$29,303.60
B-4	8" PVC (Direct Bury) Including Excavation, Restraints, Fittings. Dewatering	70	LF	$175.00	$12,250.00
B-5	24" PVC (Direct Bury) Including Excavation, Restraints, Fittings, Dewatering	6	LF	$210.00	$1,260.00
B-6	Abandon Existing Manhole	1	EA	$6,500.00	$6,500.00
B-7	Precast Concrete Doghouse Manhole	2	EA	$13,500.00	$27,000.00
B-8	Grout Fill Abandoned Gravity Sewer Pipe	7	CY	$350.00	$2,450.00
B-9	CIPP 8" Lining	158	LF	$300.00	$47,400.00
B-10	CIPP 24" Lining	63	LF	$450.00	$28,350.00
B-11	Pavement Repair and Road Restoration (Sub-Base, Base, and Asphalt)	65	SY	$175.00	$11,375.00
B-12	Sidewalk Replacement	10	SY	$75.00	
B-13	Curb Replacement	30	LF	$49.00	
B-14	Tree/Landscaping Support and Restoration	1	LS	$10,500.00	
TOTAL LUMP SUM PRICE (BASE BID)				$165,888.60	

revised 3/13/2019

C. LIFT STATION PROPOSED IMPROVEMENTS					
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**UNIT PRICE**	**TOTAL PRICE**
C-1	Mobilization (10%)	1	LS	$136,197.50	$136,197.50
C-2	Maintenance of Traffic	1	LS	$25,000.00	
C-3	Erosion and Sediment Control	1	LS	$7,500.00	$7,500.00
				SUBTOTAL	$143,697.50
C-4	Demolish Valve Vault, Concrete Slab, Electrical Equipment, Control Panel, Antenna and Pump Station Piping System including Pumps, Valves and Associated Appurtenances	1	LS	$50,000.00	$50,000.00
C-5	Flood Tight Wet Well and Valve Vault Hatches, Submersible Pumps and Controls including Pressure Transducer Guide Rails, Brackets and Floats	1	LS	$750,705.00	$750,705.00
C-6	Mechanical Piping and Improvements including all Fittings, Valves, and Supports, Camlock, and Pressure Gauge	1	LS	$150,000.00	$150,000.00
C-7	Lift Station Site including chain link fence, concrete slab and driveway, swing gates, and bedding rock	1	LS	$15,000.00	
C-8	Install Reclaim Water Line Service and Hose Bib	1	LS	$4,500.00	$4,500.00
C-9	Wet Well Structural Concrete and Epoxy Liner	1	LS	$23,000.00	
C-10	Valve Vault	1	LS	$17,475.00	$17,475.00
C-11	Electrical I&C	1	LS	$105,000.00	$95,000.00
C-12	Clean and Line Existing Wetwell	1	LS	$17,500.00	$17,500.00
C-13	Tree/Landscaping Support and Restoration	1	LS	$12,500.00	
TOTAL LUMP SUM PRICE (BASE BID)				$1,228,877.50	

SECTION 00420

BID BOND FORM

KNOW ALL MEN BY THESE PRESENT, that we, the undersigned, (1) McKenzie Contracting LLC _____, as Principal, and (2) _____ _____, as Surety, are hereby and firmly bound unto (3) _____ Oliver D. Fernandez Jr._____, as Owner, in the penal sum of (4) _____ _____Dollars ($_____) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to (3) ___ McKenzie Contracting LLC_____a certain Bid for (5) _____ Tierra Verde Sanitary Sewer Improvements_____, attached hereto and hereby made a part hereof.

1) Bidder
2) Surety
3) Owner
4) Amount of Bond as Required in the Instructions to Bidders
5) Name of Project as Shown in Invitation for Bids

NOW, THEREFORE,

A. If said Bidder shall be in rejected, or in the alternate,

B. If said Bid shall be accepted and the Principal shall execute and deliver the Agreement (properly completed in accordance with the Bidding Documents), and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby give waive notice of any such extension.

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

1.6 RESPECTFULLY SUBMITTED, signed and sealed this 29th day of March, 2019.

McKenzie Contracting LLC.
Contractor

3/29/2019
By (Signature) Date

Oliver D. Fernandez Jr. Owner/Member
Printed Name and Title

7712 E. Broadway Ave.
Business Address

Tampa Fl. 33619 (CORPORATE SEAL)
City State Zip Code

813-454-4429
Telephone No. Facsimile No.

dan.fernandez@mckenziecontractingllc.com
E-Mail Address

ATTEST:
Brenda Hodges 4/18/19
By (Signature) Date
Brenda Hodges
Printed Name and Title

END OF SECTION

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers.

Signed and sealed this_____day of_____,_____.

ATTEST:

Principal

By (Principal Officer)

By (Signature of Officer)

Typed Name and Title

Typed Name and Title

(CORPORATE SEAL)

Address

City, State, Zip

Surety

By: _____
Attorney-in-Fact

By

Typed Name and Title

Typed Name and Title

(SEAL)

Address

City, State, Zip

Telephone No. Facsimile No.

END OF SECTION

SECTION 00430

TRENCH SAFETY FORM

Bidder acknowledges that included in the various items of the proposal contained on the Bid Form are costs for complying with the Florida Trench Safety Act (FS 553.60-553.64). The Bidder further identifies the cost of compliance with the applicable trench safety standards for the project as follows (Bidder to attach additional sheets as necessary to identify all costs):

	Trench Safety Measure (Description)	Units of Measure (LF, SF, SY)	Unit Quantity	Unit Cost	Extended Cost
A	Trench Box	EA	1	5500.00	5500.00
B					
C					
D					
E					
F					
TOTAL					$

The total cost shown herein is already included in the various items on the Bid Form and is not additional to the pricing shown on the Bid Form.

Bidder, by signature below, assures that the contractor performing trench excavating will comply with the applicable Trench Safety Standards.

Submitted, signed and sealed this_____day of_____,_____.

_____
Bidder

_____
Signature

_____
Printed Name and Title

ATTEST:

_____
Signature Date (SEAL)

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-34) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019173
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	11/24/2019
Project Name:	TV LS 4 Replacement		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	241100 **TIERRA VERDE**		
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	John Hoy
Start Date:	11/30/2019 Q4 2019	**Region:**	Florida 4
Estimated End Date:	6/30/2021 Q2 2021	**State:**	FL
Primarily Like-For-Like Asset Replacment?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**828,440**	**828,440**
Still to be Requested:			0
Total Project Budget:	**0**	**828,440**	**828,440**

Project Type: *(check all that apply)*

- ☑ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project consists of the replacement of Tierra Verde Lift Station 4. The project consists of the following elements:

1. Installation of an 8' diameter wet well using tremmie method, 20' deep
2. Standard duplex submersible lift station piping, ells, guide rails, brackets piped through valve vault, including fall protection
3. Valve vault with bypass pump connection
4. (2 ea) 7.5 Hp submersible pumps, 240V, 3-phase
5. Standard SS duplex pump control panel and electric service
6. Connection of 8" force main to new lift station at the new valve vault
7. Conversion of existing wetwell to a manhole, lining of the manhole
8. Connection of old wetwell/manhole to new wetwell with 18" GSM and doghouse manhole
9. Demolition & disposal of old valve vault, lift station components, pipe, panel, electric service
10. CIPP lining of 18" GSM, 105 LF
11. Bypass pumping
12. All necessary road, sidewalk, curbing and landscaping to restore the work area

Timeline Considerations:

This project is driven by the installation of a traffic circle on Pinellas Bayway by FDOT in conjunction with the completion of the replacement bridge on the Tierra Verde access road. The installation of the traffic circle required that we relocate gravity sewer main and force main as described in CP# 2019086. The new Lift Station 4 to be constructed under this CP is outside of the limits of FDOT's traffic circle project but in coordination with FDOT's schedule to avoid negatively impacting FDOT's work plan.

Inter-dependant Project Project Number: 2019087 Project Name TV LS 4 FM & GSM relocations (If applicable)

Have engineering evaluations been performed? Yes Engineering project number 2019086 (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Tierra Verde collection system is on an island adjacent to the gulf and Tampa Bay. It was established in 1963 with wastewater treatment and disposal provided by the city of St. Petersburg in Pinellas County.

The project was delayed for two years due to Florida Department of Transportation (FDOT) informing the Utility of its plan to replace the drawbridge to the island first, then install a traffic circle on Pinellas Bayway that conflicts with the force main and gravity sewer main on Pinellas Bayway and Lift Station 4 on Madonna Boulevard just west of the intersection with the Bayway. The FM and GSM located within the county's road R/W and the FDOT project boundary were relocated under CP 2019087.

Lift Station 4's wet well is essentially a converted manhole of shallow depth that is too small to prevent the pumps from rapidly cycling on and off. Redevelopment of a 90 unit waterfront property near the lift station will soon increase the flow through the station and thus increase the on/off cycling. The deterioration of the wet well after 50+ years of service and the condition of the control panel, valve vault and electric service indicate the facilities have reached the end of their service life. The 18" VCP gravity sewer main that enters the wet well from both east and west needs to be lined. The very shallow water table makes open cut replacement of the pipe uneconomical. Ground elevation is approximately 5' above mean sea level with a tidally influenced groundwater table.

The new lift station will be moved westward about 50' to allow for its construction in a location that avoids conflicts with underground utilities and offers adequate room away from the edge of asphalt to pull safely off of Madonna Blvd. when performing maintenance on the facility.

Risk Evaluation

The lift station is over 30 years old and past the end of its expected service life. The wet well was converted from a manhole. The gravity sewer inlet elevations are at the bottom of the wet well resulting in surcharged 18" GSM's routinely.

Alternatives Considered:

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
47086	Florida-TV LS 4 REPLACEMENT	Captime	Captime	2410-330020 Tierra Verde Utilities Inc	12/15/2019	100.00	
308935	Florida-TV LS 4 REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/11/2020		
366515	Florida-TV LS 4 REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/09/2020		100.00
52485	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	03/26/2020	482.00	
179209	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	06/10/2020	15,000.00	
256022	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	09/09/2020	10,650.36	
272006	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	09/11/2020	9,500.00	
390016	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	10/22/2020	61,903.58	
391138	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	10/31/2020	733.96	
428005	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	11/10/2020	1,500.00	
488101	Florida-TV LS 4 REPLACEMENT	Construction	Construction	2410-330020 Tierra Verde Utilities Inc	11/30/2020	745.25	100,515.15
47337	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	12/31/2019	0.75	
46640	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	01/31/2020	0.75	
50267	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	02/29/2020	0.75	
53370	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	03/31/2020	4.38	
54752	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	04/30/2020	4.38	
64414	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	05/31/2020	4.38	
152038	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	06/30/2020	0.75	
152039	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	06/30/2020	3.63	
195184	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	07/31/2020	116.50	
195183	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	07/31/2020	0.75	
258088	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	08/31/2020	116.50	
258098	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	08/31/2020	0.75	
357047	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	09/30/2020	268.13	
357050	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	09/30/2020	1.54	
391126	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	10/31/2020	2.33	
488119	Florida-TV LS 4 REPLACEMENT	Interest During Construction	Interest During Construction	2410-330020 Tierra Verde Utilities Inc	11/30/2020	2.33	528.60
							101,143.75

Kimley»Horn

July 27, 2017

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

Re: Professional Services Agreement for Tierra Verde Lift Station #4 Improvements
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for providing design, permitting, and construction services for the Tierra Verde Lift Station #4 (LS 4) Improvements.

Project Understanding

The existing lift station is located along Madonna Blvd in Tierra Verde, FL. The lift station discharges through a 10-inch force main to a manhole along Pinellas Bayway S (SR 679). The piping in the lift station wet well and valve vault is severely corroded and in need of replacement. In addition, the invert of the gravity pipe coming into the station is at the base of wet well below the low water elevation, causing surcharging in the upstream gravity system. The intent of the proposed lift station improvements is to construct a new lift station wet well and valve vault within the right-of-way northwest of the existing station and to rehabilitate the existing wet well. The existing wet well is intended to be used as a manhole for gravity flow to allow the existing gravity main entering the station to remain in service. Flow will be routed from the existing to the proposed wet well through a new gravity main. The existing electrical service will also need to be relocated.

Scope of Services

TASK 1 – DESIGN

Kimley-Horn will design the proposed lift station improvements using a survey of the surrounding area. A survey of this section of Madonna Blvd is included as part of Task 1 of our scope of services. The proposed survey will be tied into set benchmarks. Geotechnical engineering will also be required for the wet well design. Geotechnical services for one (1) forty-foot bore is included as part of Task 1 of our services.

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

- Standard Cover sheet
- General Notes and Legend
- Lift Station Site Plan and Demolition Plan
- Lift Station Mechanical and Structural Plan
- Lift Station Electrical Plan
- Plan and Profile sheets for proposed gravity main (1=20' horizontal) and (1=2' vertical) (if required)
- Typical details and additional items that may be required

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 onsite to review and discuss any comments. Kimley-Horn will revise the plans as necessary and resubmit to the Client. Kimley-Horn will prepare quantity take-offs and

Kimley»Horn

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.

TASK 2 – PERMITTING

Kimley-Horn will prepare and submit the FDEP Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System, Form 62-604.300(8)(a). This application carries a permit application fee of $250, for Notice of Intent to Use a General Permit. Kimley-Horn will provide all supporting documentation along with the permit.

Note: FDEP permit fees will be paid for by Kimley-Horn and will be included as a reimbursable expense.

Note: Contractor shall be responsible for submitting and obtaining a Pinellas County right-of-way permit if required. Kimley-Horn will provide the contractor the supporting documentation.

Any additional permitting requirements, beyond those listed herein, would be considered an Additional Service.

TASK 3 – 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 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. Consultant will make up to two (2) 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,

Kimley»Horn

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 a final site visit 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:

- Environmental
- 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

Kimley»Horn

Fee and Expenses

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

Task 1	Design (Includes Survey, Geotech, and Electrical)	$39,200.00
Task 2	Permitting (Includes Fee)	$ 3,800.00
Task 3	Construction Phase Services	$12,300.00
Total Lump Sum Fee		$55,300.00

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

Closure

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

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

_X_ 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: W. Wade Wood, III, P.E.
Senior Project Manager

Wayne White, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By:
Patrick C. Flynn, President/Vice President

August 1, 2017
(Date)

Patrick C. Flynn
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Kimley»Horn

August 9, 2019

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

Re: Professional Services Agreement for Tierra Verde Lift Station #4 Redesign
Utilities Inc. of Florida
Pinellas County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client") for providing design, permitting, and construction services for the Tierra Verde Lift Station #4 (LS 4) Redesign.

Project Understanding

The existing lift station is located along Madonna Blvd in Tierra Verde, FL. The lift station discharges through a recently replaced 8-inch PVC and HDPE force main to a manhole along Pinellas Bayway S (SR 679). The piping in the lift station wet well and valve vault is severely corroded and in need of replacement. In addition, the invert of the gravity pipe coming into the station is at the base of wet well below the low water elevation, causing surcharging in the upstream gravity system. The intent of the proposed lift station improvements is to construct a new lift station wet well and valve vault within the right-of-way northwest of the existing station. The existing wet well will be rehabilitated and converted into a manhole, and flow will be rerouted from this manhole through a new gravity main. The existing electrical service will also need to be relocated.

The lift station was initially designed and permitted as part of the Tierra Verde Sanitary Sewer Improvements Project, however, increased construction costs and the conflicting FDOT improvements along Madonna Blvd. will require the lift station to be redesigned and value-engineered. The lift station was previously permitted with FDEP and will only require deviations from the original design to be described in the permit close out process.

Scope of Services

TASK 1 – REDESIGN

Kimley-Horn will redesign the proposed lift station improvements based on the value engineering completed as part of the Tierra Verde Sanitary Sewer Improvements Project. The proposed changes to the lift station design plans and specifications include the following:

- Shifting the proposed lift station to the Northwest to reduce sheeting, bypassing, MOT and support of the existing wet well to prevent undermining during construction
- Modifying gravity pipe design for new lift station location
- Evaluating the wet well installation method based on the geotechnical results to reduce wet well size from 8-ft to 6-ft, and removing the tremie plug design if possible
- Developing Landscaping plan required for Pinellas County ROW Permit
- Updated front end specifications, construction schedule, bid form, and opinion of probable construction cost

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It is assumed that the lift station will be constructed following the completion of the 2019 FDOT Pinellas Bayway Improvement Projects, and that the proposed lift station plan will be based on the proposed changes to Madonna Blvd. Additional geotechnical investigations will also be required for the wet well placement and design. Geotechnical services for two (2) 40-foot SPT bores are included as part of Task 1 of our services.

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

- Standard Cover sheet
- General Notes and Legend
- Lift Station Site Plan and Demolition Plan
- Lift Station Mechanical and Structural Plan
- Lift Station Landscaping Plan
- Lift Station Electrical Plan
- Typical details

Plans will be delivered to the Client electronically for review and comment following the redesign. Kimley-Horn will revise the plans up to three (3) times to address comments and will resubmit to the Client. Kimley-Horn will prepare quantity take-offs and an opinion of probable construction cost and inform Client during the design process of cost changes caused by significant design changes that increase the project construction cost.

TASK 2 – BIDDING AND SERVICES DURING CONSTRUCTION

Kimley-Horn will coordinate with a minimum of five (5) 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 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 four (4) 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

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not, during such visits or as a result of such observations of Contractor's work in progress, shall not 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, will 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 a fifth, final site visit 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, nor 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:

- Survey
- Environmental
- 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

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Fee and Expenses

Kimley-Horn will perform the services in Tasks 1 - 2 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1 Design (Includes Geotechnical Services - $3,500.00)	$15,000.00
Task 2 Bidding and Construction Phase Service	$15,000.00
Total Lump Sum Fee	$30,000.00

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

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Closure

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

_X_ 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

W. Wade Wood III, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By: _____, President/Vice President

8/9/2019
(Date)

PATRICK C. FLYNN, V.P.
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: 36-2850768
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

TIERRA VERDE LIFT STATION				1 TLC Diversified, Inc 2719 17th Street Ease Palmetto, FL 34221		2 McKenzie Contracting LLC 7712 E. Broadway Ave Tampa, FL 33619		3 K&R 5219 Cone Road Tampa, FL 33610		4 EESI 601 N East Coast Avenue Lantana, FL 33462		5 Westra 1263 12th Ave E Palmetto, FL 34221	
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**	**BID PRICE PER UNIT**	**TOTAL BID PRICE**	**BID PRICE PER UNIT**	**TOTAL BID PRICE**
1	Mobilization(10%)	1	LS	$ 81,000.00	$ 81,000.00	$ 158,100.00	$ 158,100.00	-	-	-	-	-	-
2	As-Builts	1	LS	$ 2,385.00	$ 2,385.00	$ 35,000.00	$ 35,000.00	-	-	-	-	-	-
3	Erosion and Sediment Control	1	LS	$ 4,100.00	$ 4,100.00	$ 25,000.00	$ 25,000.00	-	-	-	-	-	-
4	Demolish Valve Vault, Concrete Slab, Electrical Equipment, Control Panel, Antenna and Pump Station Piping System including Pumps, Valves and Associated Appurtenances	1	LS	$ 14,800.00	$ 14,800.00	$ 63,000.00	$ 63,000.00	-	-	-	-	-	-
5	Demolition and Disposal - 18" Sanitary Sewer	62	LF	$ 65.00	$ 4,030.00	$ 225.00	$ 13,950.00	-	-	-	-	-	-
6	Demolition and Disposal - 8" Force Main	25	LF	$ 70.00	$ 1,750.00	$ 150.00	$ 3,750.00	-	-	-	-	-	-
7	CIPP Lining, Including Cleaning, Lining, Chemical Sealing, and Liner Testing of 18" Gravity Sewer	105	LF	$ 425.00	$ 44,625.00	$ 525.00	$ 55,125.00	-	-	-	-	-	-
8	Clean and Line Existing Wet Well	1	LS	$ 30,500.00	$ 30,500.00	$ 30,000.00	$ 30,000.00	-	-	-	-	-	-
9	Connection to Proposed Wet Well	2	EA	$ 650.00	$ 1,300.00	$ 7,500.00	$ 15,000.00	-	-	-	-	-	-
10	By-Pass Pumping	3	EA MONTH	$ 16,100.00	$ 48,300.00	$ 17,500.00	$ 52,500.00	-	-	-	-	-	-
11	Wet Well Structural Concrete	1	LS	$ 291,000.00	$ 291,000.00	$ 425,000.00	$ 425,000.00	-	-	-	-	-	-
12	18" PVC SDR26 (Direct Bury) Including Excavation, Restraints, Fittings, Dewatering	65	LF	$ 670.00	$ 43,550.00	$ 275.00	$ 17,875.00	-	-	-	-	-	-
13	Valve Vault	1	LS	$ 13,500.00	$ 13,500.00	$ 15,000.00	$ 15,000.00	-	-	-	-	-	-
14	Force Main Connection and Lift Station Shutdown	1	LS	$ 1,500.00	$ 1,500.00	$ 15,000.00	$ 15,000.00	-	-	-	-	-	-
15	Precast Concrete Doghouse Manhole	1	EA	$ 72,250.00	$ 72,250.00	$ 20,000.00	$ 20,000.00	-	-	-	-	-	-
16	Grout and Fill 8" Force Main	2	CY	$ 1,550.00	$ 3,100.00	$ 900.00	$ 1,800.00	-	-	-	-	-	-
17	Metered Reclaim Water Line Service and Hose Bib	1	LS	$ 2,500.00	$ 2,500.00	$ 5,500.00	$ 5,500.00	-	-	-	-	-	-
18	2" Above Ground Air Release Valve Assembly	1	EA	$ 9,250.00	$ 9,250.00	$ 7,500.00	$ 7,500.00	-	-	-	-	-	-
19	Flood Tight Wet Well Hatch and Valve Vault Hatches, Submersible Pumps and Controls including Pressure Transducer Guide Rails, Brackets, and Floats	1	LS	$ 69,000.00	$ 69,000.00	$ 350,000.00	$ 350,000.00	-	-	-	-	-	-
20	Mechanical Piping and Improvements Including all Fittings, Valves, and Supports, Camlock, and Pressure Gauge	1	LS	$ 38,000.00	$ 38,000.00	$ 250,000.00	$ 250,000.00	-	-	-	-	-	-
21	Electrical I&C	1	LS	$ 32,000.00	$ 32,000.00	$ 125,200.00	$ 125,200.00	-	-	-	-	-	-
22	Tree/Landscaping Support and Restoration	1	LS	$ 20,000.00	$ 20,000.00	$ 65,000.00	$ 65,000.00	-	-	-	-	-	-
		BID TOTAL			**$ 828,440.00**		**$ 1,749,300.00**		**NO BID**		**NO BID**		**NO BID**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-35) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	20200xx
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	2/4/2020
Project Name:	BV Well Improvements		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	252106 **ORANGEWOOD W**		
		BU Type:	WP
Project Owner:	Patrick Flynn		
		Budget Owner / RP:	Gary Rudkin
Project Manager:	Michael Wilson / Lee Neal		
		Region:	Florida 4
Start Date:	1/1/2020 Q1 2020		
		State:	FL
Estimated End Date:	7/31/2020 Q3 2020		
Primarily Like-For-Like Asset Replacment?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**73,568**	**73,568**
Still to be Requested:			0
Total Project Budget:	**0**	**73,568**	**73,568**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☑ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will consist of the following elements:

1. Buena Vista Well 3: Replace the 3,600-gal hydro tank with a new ASTM code 3,600-gal hydro tank. The tank will be factory coated with epoxy based paint system.
2. Buena Vista Well 3: Replace existing 6" valves and ductile iron piping with new epoxy lined ductile iron piping as needed to reconnect the well pump to the system. Make minor repairs to the well house.
3. Buena Vista Well 2: Remove and replace submersible well pump and motor with new submersible pump and motor.
4. Buena Vista Well 2: Flow test, clean and inspect existing well casing, borehole and production zone.
5. Site restoration including replacement of landscaping and fencing as needed at both locations.

Timeline Considerations:

It is critical to restore this well to service to reestablsh the well production necessary to meet peak demand in the Orangewood water system in the second quarter.

Inter-dependant Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Buena Vista Well #2's submersible pump and motor were found to be worn substantially after 30+ years of service as indicated by a drop in pump output. The well pump was designed to produce about 200 gpm but the output was <50 gpm.
A Gould's or similar submersible pump with Certa-lock piping will be installed. Surge suppression equipment will be replaced to protect the submersible pump from lightning strikes.

Buena Vista Well 3's existing 3,600-gallon hydro tank was installed in 1996 (prior to the acqusition of the system) and is not an ASME-code tank. The 2014 tank inspection report recommended internal sandblasting and coating prior to the next inspection. The cost of blasting and coating (approximately $15,000) on a non-ASME code tank is not prudent given the age of the tank and the utility's policy to replace non-ASME code tanks with code tanks as non-code tanks reach the end of their useful life.

Risk Evaluation

Sandblasting and coating a non-ASME code tank will not reestablish the tank's structural integrity to original conditions. Since this is a pressure vessel, it would be imprudent to risk damaging the tank walls through the sandblasting process and then return the tank to service.

Alternatives Considered:

BV well 3: Sandblast and internally coat non ASME tank and return to service with the possibility of failure.

Technical Review Summary:

Discussion internally with VP of operations.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
119926	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Captime	Captime	2410-330010 State of FL Cost Center	06/17/2020		
174957	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Captime	Captime	2410-330010 State of FL Cost Center	07/23/2020		475.00
64161	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	05/31/2020	126.01	
152004	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	0.79	
152005	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	126.01	
195154	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	3.57	
195155	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	126.01	
258092	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	3.57	
258103	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	126.17	
258120	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	262.33	
357055	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	09/30/2020	3.57	
357029	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	09/30/2020	126.17	
357028	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	09/30/2020	262.33	
391116	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	10/31/2020	3.57	
391123	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	10/31/2020	126.17	
391124	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	10/31/2020	262.33	
488105	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	11/30/2020	3.57	
488104	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	11/30/2020	126.17	
488111	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	11/30/2020	262.33	1,950.67
55031	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Material	Material	2410-330145 Orangewood W	04/30/2020	16,745.00	
202277	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Material	Material	2410-330145 Orangewood W	07/23/2020	9.36	
248126	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Material	Material	2410-330145 Orangewood W	07/30/2020	13.00	
230024	Florida-BV W2 PUP & W3 HYDRO TANK R&R	Tank/Cost of	Tank/Cost of	2410-330145 Orangewood W	08/27/2020	34,860.85	51,628.21
							54,053.88

ENVIRONMENTAL EQUIPMENT SALES, INC.

Site Development/Water & Wastewater Systems/Underground Utilities/Industrial Construction

Post Office Box 2459
Riverview, FL 33568
State Certified General Contractor CGC061731 (813) 677-6877 Phone
State Certified General Contractor EC13004251 (813) 677-2605 Fax

Page No. 1 of 1 Pages

PROPOSAL #1546

PROPOSAL SUBMITTED TO:	PHONE: 407-468-3268	DATE: November 28, 2018
NAME: UTILITIES INC OF FLORIDA	JOB NAME: Orangewood BTVP Well #3 – Hydropneumatic Tank Replacement	
STREET: 200 Weathersfield Avenue	STREET: Behind Speedway – Holiday Drive	
CITY/STATE/ZIP: Altamonte Springs, FL 32714	CITY: Holiday	STATE: FL 34691
CONTACT NAME: Mike Wilson, Regional Manager	EMAIL: mawilson@uiwater.com	

We propose to provide all necessary labor, material, and equipment to replace the existing 3,628 gallon hydropneumatic tank.

Work to Proceed as Follows:

1) Provide submittal data/shop drawings for tank, equipment and materials.
2) Remove existing Hydropneumatic tank and dispose of off-site.
3) Install new 3,628 gallon Hydropneumatic tank 72" diameter x 16' Shell Length designed and constructed from carbon steel to ASME code stamped for a 100psi working pressure. Tank with one 14"x18" elliptical manway, two lifting lugs, two 4" 150# RFSO nozzles, two 2" 3000# couplings, one 1" 3000# coupling, and two ¾" 3000# couplings. Interior of the tank to be complete with Interline Interseal 670HS NSF61epoxy lining. The Exterior is to be painted with Epoxy Primer and White Polyurethane finish coat. Modify concrete supports/saddles.
4) Repair corner of building damaged during last tank installation.
5) Install new pressure gauge with shut off.
6) Install new relief valve.
7) Install new 48" sight glass with needle valve, and guard rods.
8) Install new pressure switch with enclosure.
9) Install two 8" Flanged Gate Valves for tank inlet and outlet, one 6" Flanged Gate Valve for tank drain, and all necessary DI piping to connect new tank to existing water piping. Any flow meter, telemetry or programming to be supplied by UI.

QUOTE – Work to be completed in accordance with the above specifications for the sum of Forty-Nine Thousand Nine Hundred Seventy-Three Dollars and 00/100 cents ($49,973.00) with Terms: Net 15 Days.

NOTES:

1) Chlorination and bacteriological sampling by Owner.
2) Does not include any permits or permit fees. To be provided and paid by owner.
3) This proposal is based on all onsite cut material being useable for structural/pavement areas and trench backfill.
4) Any adjustments/removal or location/relocation of existing utilities, which may conflict with proposed work not included.

All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above and estimate. All agreements are contingent upon strikes, accidents or delays at beyond our control. This proposal subject to acceptance within 15 days and is void thereafter at the option of the undersigned. Delinquency charges of 1½% per month will apply for all delinquent invoices. Collection fees for delinquent accounts, including attorney/collection agency fees and expenses incurred by Environmental Equipment Sales, Inc. are the responsibility of the customer.

ACCEPTANCE OF PROPOSAL

The above prices, specifications, and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

ACCEPTED

Date: 3/28/19

Signature: [signature]

MICHAEL WILSON, RM VI
Print Name & Title

Date: _____

Signature: _____
Brian K. Spicher, President
Environmental Equipment Sales Inc.

Invoice

Green Well Drilling, LLC

3610 W. Bella Vista St.
Lakeland, FL 33810
(863)859-5769
(813)293-5989

Utilities Inc. of Florida - Buena Vista
Job Location: Buena Vista

Date: 01/31/2020
Invoice No.: 20034
Custom Field: Well Repair

Qty	Description	Unit Price	Total
1	Pump Pull 6" Submersible	$2,195.00	$2,195.00
1	Brush Well Casing and Chlorinate Well, Air Compressor, Brush Well a Second Time	$3,400.00	$3,400.00
1	10 Hp Submersible Pump Berkley Liquid End	$3,495.00	$3,495.00
1	10 HP Submersible Motor 230 Volt 3 Phase	$3,295.00	$3,295.00
1	40' Submersible Wire #8	$280.00	$280.00
1	40' Certa-lok with Cupplings	$980.00	$980.00
2	Certa-lok Adapters	$370.00	$740.00
1	Stainless Safty Cable for 10 HP Submersible	$195.00	$195.00
1	Set 15 HP Pump for Pump Test, Pump Raw for 1 Hour @ 300 GPM with a 10' Draw Down from Static Water Level 17' Pump Test with Pump Set	$2,975.00	$2,975.00
1	6 x 3 Well Seal	$165.00	$165.00
1	Electrical Piping Wire Labor	$375.00	$375.00
1	Mobilization and Fuel Fees for Pumping of Well	$2,500.00	$2,500.00

Total $20,595.00

Balance Due $20,595.00

Thank you for your business.

Invoice

Green Well Drilling, LLC

3610 W. Bella Vista St.
Lakeland, FL 33810
(863)859-5769
(813)293-5989

Utilities Inc of Florida - Well #3
Holiday

Date: 04/21/2020
Invoice No.: 20131
Custom Field:

Qty	Description	Unit Price	Total
1	Pump Pull and Set with Crane Truck	$2,495.00	$2,495.00
1	20 HP Franklin Motor 230 Volt 3 PH	$5,495.00	$5,495.00
1	20 HP Wet End Cast Pump	$4,850.00	$4,850.00
1	47' Flat Subcable #4	$470.00	$470.00
1	40' Cetra-Lok	$1,140.00	$1,140.00
1	(2) Certa-Lok Adapters	$645.00	$645.00
1	Mobilization and Fuel Fees	$950.00	$950.00
1	Labor	$665.00	$665.00
1	Flange Bolts	$35.00	$35.00

Total $16,745.00

Balance Due $16,745.00

Thank you for your business.

Invoice

Green Well Drilling, LLC

3610 W. Bella Vista St.
Lakeland, FL 33810
(863)859-5769
(813)293-5989

Utilities Inc. of Florida - Buena Vista
Job Location: Buena Vista

Date: 01/31/2020
Invoice No.: 20034
Custom Field: Well Repair

Qty	Description	Unit Price	Total
1	Pump Pull 6" Submersible	$2,195.00	$2,195.00
1	Brush Well Casing and Chlorinate Well, Air Compressor, Brush Well a Second Time	$3,400.00	$3,400.00
1	10 Hp Submersible Pump Berkley Liquid End	$3,495.00	$3,495.00
1	10 HP Submersible Motor 230 Volt 3 Phase	$3,295.00	$3,295.00
1	40' Submersible Wire #8	$280.00	$280.00
1	40' Certa-lok with Cupplings	$980.00	$980.00
2	Certa-lok Adapters	$370.00	$740.00
1	Stainless Safty Cable for 10 HP Submersible	$195.00	$195.00
1	Set 15 HP Pump for Pump Test, Pump Raw for 1 Hour @ 300 GPM with a 10' Draw Down from Static Water Level 17' Pump Test with Pump Set	$2,975.00	$2,975.00
1	6 x 3 Well Seal	$165.00	$165.00
1	Electrical Piping Wire Labor	$375.00	$375.00
1	Mobilization and Fuel Fees for Pumping of Well	$2,500.00	$2,500.00

Total $20,595.00

Balance Due $20,595.00

Thank you for your business.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-36) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020004
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	1/9/2020
Project Name:	OW Well 1 Hydrotank/Genset/Well Pump		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	252106 **ORANGEWOOD W**		
		BU Type:	WP
Project Owner:	Patrick Flynn		
		Budget Owner / RP:	John Hoy
Project Manager:	Michael Wilson		
		Region:	Florida 4
Start Date:	11/1/2019 Q4 2019		
		State:	FL
Estimated End Date:	7/31/2020 Q3 2020		
Primarily Like-For-Like Asset Replacment?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**9,000**	**145,572**	**154,572**
Still to be Requested:			0
Total Project Budget:	**9,000**	**145,572**	**154,572**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☑ Replacement
- ☑ Upgrade
- ☑ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

This project will consist of the following elements:

1. Replace the 5,000 gal hydrotank with a new ASTM code 5,000 gal hydrotank. The tank will be factory coated with epoxy system.
2. Replace existing 6" valves, ductile iron piping and valves with new epoxy lined ductile iron piping as needed to reconnect the pump.
3. Remove and replace vertical turbine well pump and motor with submersible pump and motor.
4. Flow test, clean and inspect existing well casing, borehole and production zone.
5. Replace existing 50Kw Onan propane generator & ATS with 50 Kw Blue Star diesel generator, subbase fuel tank and ATS.
6. Engineering evaluation of alternatives.
7. Site restoration including replacement of landscaping or fencing as needed.

Timeline Considerations:

It is critical to restore this well to service to reestablsh the well production necessary to meet peak demand in the Orangewood water system in the second quarter.

Inter-dependant Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Orangewood Well #1 was taken offline in November 2019 for hydro tank cleaning, blasting, and coating (internal and external). During the sandblasting process, a hole appeared in the hydro tank's shell making the pressure tank unusable. The well pump and motor (vertical turbine type) were also found to be worn substantially after 30+ years of service as indicated by a drop in pump output. The well pump was designed to produce about 250 gpm but the output was <200 gpm. This is the largest of seven production wells in Orangewood.

The existing 5,000-gallon ASME-code hydro tank was installed in 1998. The 2014 inspection report recommended internal sandblasting and coating prior to the next inspection. During the blasting operation associated with prepping the interior for a fresh coat of aquatapoxy, a hole appeared in the tank wall. This failure required the immediate removal of the tank from service and scheduling of its replacement with a new tank meeting ASME specifications.

After an estimated 30+ years of service, the well pump's output had decreased significantly and the condition of the pump head had degraded. After pulling and inspecting the well pump column and components, it was evident that the pump assembly, including the head, had completely worn and were in need of replacement. A Goulds or similar submersible pump with Certa-lock piping will be installed at lesser cost than a like for like replacement of the vertical turbine. Surge suppression equipment will be replaced to protect the submersible pump from lightning strikes.

The existing Onan propane generator was installed in 1989 and is at the end of its useful life. Delivery of propane gas immediately after storm events is problematic. The fuel consumption rate is greater for a propane generator compared to a diesel unit of the same output. A diesel storage tank sized for three days of continuous generator runtime is more compact and integral to the generator unit. The existing leased propane storage tank will be emptied and removed.

Risk Evaluation

The hydro tank developed a hole in the steel shell making the pressure tank unusable. Attempting to weld a plate over the hole will void the ASME rating on the tank. It is likely that other portions of the shell are in danger of failure thus making it necessary to replace the tank before catastrophic failure occurs.

Alternatives Considered:

Engineering analysis was completed to determine if installation of a replacement hydro tank could be eliminated and O&M reduced by constructing a raw water main connecting Well 1 to Well 2, a relatively short distance away. The engineer identified the cost to connect the two wells would exceed any projected O&M savings over the life of a tank.

Technical Review Summary:

Engineering analysis of an alternative was completed and will be attached to this BCF for review.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
51460	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/15/2020	100.00	
51182	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/29/2020	45.18	
51183	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/29/2020	45.18	
51184	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/29/2020	45.18	
51185	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/29/2020	45.18	
51186	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	02/29/2020	90.36	
48777	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	22.59	
48784	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	45.18	
48766	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	67.77	
48778	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	22.59	
48779	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	45.18	
48780	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	45.18	
48781	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	22.59	
48783	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	45.18	
48782	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/15/2020	22.59	
52793	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48658	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48659	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48660	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48661	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48662	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
48663	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
52830	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
52831	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
52791	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
52792	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	03/31/2020	45.18	
54676	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	04/15/2020	45.18	
54677	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	04/15/2020	45.18	
54656	Florida-SANLANDO GST DEFICIENCY CORREC	Captime	Captime	2410-330320 Sanlando Utilities Corp W	04/15/2020	45.18	1,342.45
51430	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	02/29/2020	2.79	
53393	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	03/31/2020	9.08	
54808	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	04/30/2020	593.26	
64702	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	05/31/2020	593.26	
152024	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	06/30/2020	10.10	
152025	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	06/30/2020	583.16	
195174	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	07/31/2020	10.10	
195175	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	07/31/2020	583.16	
258099	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	08/31/2020	10.10	
258095	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	08/31/2020	583.16	
357030	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	09/30/2020	10.10	
357021	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	09/30/2020	583.16	
391128	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	10/31/2020	10.10	
391136	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	10/31/2020	583.16	
488145	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	10.10	
488110	Florida-SANLANDO GST DEFICIENCY CORREC	Interest During Construction	Interest During Construction	2410-330320 Sanlando Utilities Corp W	11/30/2020	583.16	4,757.95
55126	Florida-SANLANDO GST DEFICIENCY CORREC	Material	Material	2410-330320 Sanlando Utilities Corp W	04/01/2020	77,496.00	77,496.00
							83,596.40

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
48760	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	03/15/2020	361.44	
53044	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	03/31/2020	102.00	
54137	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	04/30/2020	361.44	
54138	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	04/30/2020	361.44	
54313	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	04/30/2020	90.36	
54314	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	04/30/2020	100.00	
54315	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	04/30/2020	100.00	
65578	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	05/15/2020	50.00	
65429	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330145 Orangewood W	05/31/2020	369.92	
106257	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330010 State of FL Cost Center	06/02/2020		
166241	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330010 State of FL Cost Center	07/10/2020		
161710	Florida-OW WELL 1 HYDROTANK GENSET WEL	Captime	Captime	2410-330010 State of FL Cost Center	07/10/2020		1,896.60
51447	Florida-OW WELL 1 HYDROTANK GENSET WEL	Engineering	Engineering	2410-330145 Orangewood W	02/29/2020	4,500.00	
51446	Florida-OW WELL 1 HYDROTANK GENSET WEL	Engineering	Engineering	2410-330145 Orangewood W	02/29/2020	4,500.00	
51206	Florida-OW WELL 1 HYDROTANK GENSET WEL	Equipment	Equipment	2410-330145 Orangewood W	02/03/2020	21,750.00	
54972	Florida-OW WELL 1 HYDROTANK GENSET WEL	Equipment	Equipment	2410-330145 Orangewood W	04/15/2020	1,522.50	
264046	Florida-OW WELL 1 HYDROTANK GENSET WEL	Equipment	Equipment	2410-330145 Orangewood W	09/09/2020	22,571.08	
49375	Florida-OW WELL 1 HYDROTANK GENSET WEL	Tank/Pneumatic	Tank/Pneumatic	2410-330145 Orangewood W	01/31/2020	12,225.00	
51448	Florida-OW WELL 1 HYDROTANK GENSET WEL	Tank/Pneumatic	Tank/Pneumatic	2410-330145 Orangewood W	02/29/2020	44,700.00	111,768.58
49376	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	01/31/2020	91.99	
51445	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	02/29/2020	255.66	
53378	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	03/31/2020	662.47	
54759	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	04/30/2020	682.32	
63361	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	05/26/2020	9.41	
63365	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	05/26/2020	8.02	
64457	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	05/31/2020	685.61	
152001	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	15.06	
152020	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	67.72	
152021	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	175.13	
152000	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	0.13	
152019	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	06/30/2020	428.36	
195151	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	18.64	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
195170	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	67.72	
195171	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	175.13	
195150	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	0.13	
195169	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	07/31/2020	428.36	
258104	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	18.64	
258111	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	67.72	
258123	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	175.13	
258079	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	0.13	
258086	Florida-OW WELL 1 HYDROTANK GENSET WEL	Interest During Construction	Interest During Construction	2410-330145 Orangewood W	08/31/2020	428.36	4,461.84
							118,127.02

Kimley»Horn

September 30, 2019

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

Re: Professional Services Agreement for Orangewood Hydropneumatic Tank Technical Memorandum
Utilities Inc. of Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("UIF" of "Client") for preparing a Technical Memorandum for the evaluation of the current wells and tanks at their Orangewood Water Distribution System.

Project Understanding

The existing hydropneumatic tank at the Well #1 site of the Orangewood Water Distribution System is no longer operational and is in need of replacement. UIF is interested in evaluating replacement alternatives for the tank at Well #1 while considering how it integrates with the tank at the Well #2 site. Kimley-Horn will evaluate the existing record information, design alternatives for replacement and configuration, and will make recommendations as described in the scope of services below.

Scope of Services

1. Kimley-Horn will prepare a Technical Memorandum and submit digitally via email for UIF to review. The Technical Memorandum will include:
    - A summary of the existing record information provided by UIF and publicly accessible data from the Florida Department of Environmental Protection (FDEP) database.
    - A maximum of three (3) design alternatives for the modifications, repair, and/or replacement of the Well #1 hydropneumatic tank and the associated Orangewood Water Distribution System shown in exhibits included in the technical memorandum.
    - Preliminary hydraulic calculations to verify the efficacy of the design alternatives.
    - A preliminary opinion of probable cost for each design alternative.
        - The Client acknowledges that Kimley-Horn 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 Kimley-Horn at this time and represent only the Kimley-Horn's judgment as a design professional familiar with the construction industry. Kimley-Horn cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.
    - Recommendation of one (1) design alternative.
2. Kimley-Horn will make one (1) revision to the Technical Memorandum following UIF's review.

Kimley»Horn

Services Not Included

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

- Preparation of Plans and Specifications
- Permitting Services
- Construction Observation Services
- Survey
- Geotechnical
- Electrical
- Structural
- Environmental
- 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
- Operating Information

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 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Total Lump Sum Fee **$9,000.00**

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

Kimley»Horn

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:

_X_ 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

Jordan Walker, P.E.
Associate

Kimley»Horn

Utilities Inc. of Florida
A Corporation

By: Patrick C. Flynn, VP, President/Vice President

9/30/2019
(Date)

PATRICK C. FLYNN
(Print or Type Name)

pcflynn@uiwater.com
(Email Address)

Attest:

_____, Secretary/Assistant Secretary

_____
(Print or Type Name)

Client's Federal Tax ID: _____
Client's Business License No.: _____
Client's Street Address: 200 Weathersfield Avenue
Altamonte Springs, FL 32714

Attachment – Request for Information
Attachment – Standard Provisions
Request for Information

Please return this information with your signed contract

Client Identification

Full, Legal Name of Client	Utilities Inc. of Florida					
Mailing Address for Invoices	200 Weathersfield Avenue Altamonte Springs, FL 32714					
Contact for Billing Inquiries	Mike Wilson					
Contact's Phone and e-mail	(407) 468-3268 mawilson@uiwater.com					
Client is (check one)	Owner	X	Agent for Owner		Unrelated to Owner	

Green Well Drilling, LLC
3610 W. Bella Vista St.
Lakeland, FL 33810
(863)859-5769
greenwelldrilling.com

Quote

Date: 08/19/2019
Quote No.: 19276

Utilities Inc. of Florida
Job Location: Well Number1 Orange Wood

Utilities Inc. of Florida

Qty	Description	Unit Price	Total
1	Run Wxisting Well Pump to Measure Water Level and Pump Level, Pull Existing Turbine from Well with Crane Truck and Labor	$1,895.00	$1,895.00
1	Video Log Well Before Brushing and After Brushing	$710.00	$710.00
1	Brush Well Casing and Chlorinate Well with Labor and Air Compressor Service	$2,800.00	$2,800.00
1	15 HP Submersible Motor 230 Volt 3 Phase	$3,740.00	$3,740.00
1	15 HP Submersible Pump Goulds 225 Series	$4,098.00	$4,098.00
1	40' Certa-Lok with Cuplings	$940.00	$940.00
2	4" Certa-Lok Adapter	$345.00	$690.00
1	50' Submersible Wire #8	$225.00	$225.00
1	Stainless Safety Cable for 15 HP Submersible	$195.00	$195.00
1	Epoxy Coated Steel Discharge Head 4" with Raw Tap, Electrical Port with Gate Valve under Tap	$2,895.00	$2,895.00
1	15 HP Submersible Pump Set with Crane Truck and Labor	$1,995.00	$1,995.00
1	Stainless Studs with Concrete for Header Discharge	$275.00	$275.00
1	Moblization and Fuel Fees for Pump Exchange with Header Pipe in Pump Room	$2,500.00	$2,500.00
1	5000 Gallon ASME Tank	$48,700.00	$48,700.00
1	Crane for Tank Removal and Placement	$2,190.00	$2,190.00
1	4" 8 Bolt Flange 45 Degree	$165.00	$165.00
6	4" 8 Bolt Flange Valve Gate	$865.00	$5,190.00
1	4" Tee 8 Bolt Flange	$335.00	$335.00
1	4" Cross 8 Bolt Flange	$510.00	$510.00
2	4" 8 Bolt Flange 90 Degree	$190.00	$380.00
3	8 1/2" x 4" Nipple with 8 Bolt Flange	$345.00	$1,035.00
1	22" x 4" Nipple 8 Bolt Flange	$375.00	$375.00
1	25 1/4" by 4" Nipple 8 Bolt Flange	$410.00	$410.00
1	5 3/4" x 4" Nipple 8 Bolt Flange	$310.00	$310.00
1	4" Dresser Coupling	$195.00	$195.00
1	4" Check valve Watt Ductile Iron	$595.00	$595.00
1	Galvanized Piping for Air Line from Tank	$175.00	$175.00
1	Site Glass for Tank	$95.00	$95.00
2	1" Valves for Sight Glass	$65.00	$130.00
1	Disposal of Old ASME Tank	$1,600.00	$1,600.00
1	Labor for Install on Tank and Fittings	$4,800.00	$4,800.00
1	Gasket Seal and Bolts	$795.00	$795.00
		Total	**$90,943.00**

All 4" piping is Ductile Iron with inner coating. Extra 4" Valve and 90 are for drain in new ASME tank.

GWD quotes are withdrawn if not accepted within 60 days. When quote is accepted, please sign, date, and return to us prior to being placed on the well list. This quote does not include water testing.

Please contact us with any additonal questions or concerns. Thank you for your business.

PARAMOUNT POWER

TOTAL SOLUTIONS FOR EMERGENCY POWER SYSTEMS

January 31, 2020

Mr. Lee Neal
Utilities Inc – Orangewood Well #1
4730 Darlington Rd.
Holiday, FL 34690

Dear Mr. Neal,

Per your request, please find below a quotation for a new **50kw Diesel** generator and 104 AMP ATS for Orangewood Well #1:

Quantity	Description
1	Blue Star PD50-01, 50kw Diesel, Tier 3, UL 2200, CSA Approved
1	240/120 Volt, Three Phase, 60 Hz, 0.8 PF
1	Perkins Engine, 1800 RPM Governor- Mechanical
1	Marathon PM300 Automatic Voltage Regulator with PMG Excitation
1	Deep Sea Controller DSE7310
1	100AMP, 3 Pole, 240v Breaker Mounted & Wired in a NEMA 1 enclosure
1	Level 3 Sound Attenuated enclosure, Powder Coated .090 Aluminum
1	200 MPH Wind Rated Enclosure, Sound Attenuation Installed in Exhaust Hood
1	ASCO 300 G Series, Non-Service Entrance, 104 AMP,240V,3 Pole with Solid Neutral NEMA 3-R, 23GB, 11BE, 1UP
1	**Warranty Two (2) Year / 2000 Hour Limited**

Total Investment: $43,500.00 Plus Applicable Tax

Mr. Neal, the above price includes : equipment, freight, New concrete pad, trenching and backfill, permits and drawings, offloading, installation by Commercial Electric and start up. Price does not include: fencing or landscaping. Delivery is approximately 12-14 weeks from date of order. Terms are 50% ($21,750.00) upon acceptance with 50% ($21,750.00) due upon delivery and start up. Should you have questions please call us.

Respectfully submitted,

Carlos Salcido
Power System Sales

Patrick C. Dlyon 2/1/2020
Customer Acceptance **Date**

Generator Bids

Site	Model/Size/Fuel	Vendor	Proposed Cost	Selected
Mid County Wilshire LS 7	Generac / 60Kw 480V 3Ph / Diesel	Ellis Automated	$55,960.65	No
Mid County Macaroni LS 4	Generac / 50Kw 240V 3Ph / Diesel	Ellis Automated	$57,597.72	No
Orangewood Well 1	Generac / 50Kw 240V 3Ph / Diesel	Ellis Automated	$57,597.72	No
Mid County Wilshire LS 7	Kohler / 42Kw 480V 3Ph / Diesel	EESI	$65,322.26	No
Mid County Macaroni LS 4	Kohler / 42Kw 240V 3Ph / Diesel	EESI	$65,671.00	No
Orangewood Well 1	Kohler/ 49Kw 240V 3Ph / Diesel	EESI	$47,900.00	No
Mid County Wilshire LS 7	Bluestar / 60Kw 480V 3Ph / Diesel	Paramount Power	$52,000.00	Yes
Mid County Macaroni LS 4	Bluestar / 40Kw 240V 3Ph / Diesel	Paramount Power	$53,530.00	Yes
Orangewood Well 1	Bluestar / 50 Kw 240V 3Ph / Diesel	Paramount Power	$42,848.43	Yes

Note: All Generators include installation, fuel cells, sound enclosures and ATS (Turn Key).

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-37) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	3/29/2019
Project Name:	UIF Seminole LS RTUs		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	855100 **STATE OF FL COST CENTER**		
		BU Type:	OH
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	John Hoy
Project Manager:	Bryan K. Gongre		
		Region:	Florida 4
Start Date:	4/8/2019 Q2 2019		
		State:	FL
Estimated End Date:	9/30/2019 Q3 2019		
Primarily Like-For-Like Asset Replacment?	No		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**94,476**	**94,476**
Still to be Requested:			0
Total Project Budget:	**0**	**94,476**	**94,476**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Procure and install an Allen Bradley RTU at each lift station within the UIF Seminole service areas for a total of 10 sites.

Timeline Considerations:

As a component of the 2019 CP the project is scheduled to be sequenced and completed with two other like projects in the Pennbrooke and Longwood systems.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number		(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Currently there are 10 sanitary lift stations monitored by C & A Alarm Systems in the UIF Seminole service areas, specifically Weathersfield and Ravenna Park/Lincoln Heights BU's. In 2016, SCADA was implemented in the Central Florida area. Since we began monitoring alarms through the SCADA system, the Utility has reduced the lag time between an alarm event and notification by 5 to 10 minutes and Operators can monitor lift station activity remotely through the use of a lap top computer or tablet at all times. The reduction in alarm notification time is critical when addressing lift station issues that can lead to SSOs and potential back ups in the system impacting customers' homes. The ability to pull reports for lift stations at the beginning of a work day will allow the Technician to prioritize work activities and address a problem station early in the day whereas under the current condition a problem might not be realized and readily addressed simply by failure to visit each station every day. Events such as pulling a pump, replacing a pump or floats and electrical issues can be logged in the SCADA system for tracking purposes making that knowledge available to all Technicians that rotate on call duties or substitute for vacation or an unscheduled absence.

Risk Evaluation

This project will improve response times for alarm events and further reduce SSO's.

Alternatives Considered:

Use of a controller that uses texting as a notification method but would require a parallel VT SCADA package doubling maintenance costs and injecting a new technology that is not widely used and demonstrated.

Technical Review Summary:

Project was reviewed by the CPRT on 4/4/19 with no revisions required.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
24659	UIF SEMINOLE LS RTUS	Captime	Captime	2410-330010 State of FL Cost Center	05/31/2019	100.00	100.00
35857	UIF SEMINOLE LS RTUS	Equipment	Equipment	2410-330010 State of FL Cost Center	08/01/2019	52,479.19	
49063	UIF SEMINOLE LS RTUS	Equipment	Equipment	2410-330010 State of FL Cost Center	01/09/2020	41,396.61	93,875.80
24658	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	05/31/2019	0.75	
28312	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	06/30/2019	0.75	
31210	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	07/31/2019	0.75	
35856	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	08/31/2019	395.66	
38738	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	09/30/2019	395.66	
42738	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	10/31/2019	395.66	
96039	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	11/30/2019	-395.66	
94542	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	11/30/2019	395.66	
45256	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	11/30/2019	395.66	
48063	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	12/31/2019	395.66	
49061	UIF SEMINOLE LS RTUS	Interest During Construction	Interest During Construction	2410-330010 State of FL Cost Center	01/31/2020	707.17	2,687.72
							96,663.52

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

SCOPE OF SUPPLY

Date: February 15, 2019

Project: Utilities Inc. LS RTU - UIF

Attention: Bryan Gongre

In accordance with the attached Terms and Conditions, Sanders Company is pleased to offer the following materials/services for the above referenced project.

PRICE, DELIVERY AND TERMS OF OFFERING

Prices submitted are for equipment/services specifically listed within this Scope of Supply which constitute our complete offering. Sanders Company has not provided a CTU panel to communicate with this RTU.

10 each RTU 120 Vac, 1 phase
Nema type 4X SS, 20"x 20" x 8" wall mount enclosure with back panel
Incoming power main circuit breaker, 120 Vac, 1 phase
Incoming power lightning arrestor, 120 Vac, 1 phase
PLC, Allen Bradley Micrologix 1400
Cellular modem, Calamp Vanguard 4G
Cellular modem antennas (2)
Battery Backup circuit
(1) 24 Vdc power supply
(AR) Fuses, relays and terminals
UL 508A listed

Price Each $ 6,493 **Total for 10 RTU $64,930**

Option # 1 install of RTU $2,500 each **Total of 10 units $25,000**
SCI's price includes:
Engineering
Programming
Submittals, Operation & Maintenance Manuals
1-Year Warranty
Factory Check Out

SCI's price does not include:
Taxes

PRICE: SEE ABOVE PLUS TAX if applicable. FOB factory with freight allowed to jobsite, shipped via standard commercial carrier.

SANDERS COMPANY, INC.
2816 Southeast Monroe Street
Stuart, Florida 34997
772.220.2900

DELIVERY: 8 to 10 weeks after complete and acceptable approval is received in the Stuart offices of Sanders Company, Inc.

TERMS OF PAYMENT
Based on initial and continuing credit approval by Sanders Company, Inc., the following payment terms apply: Net 30

- NO HOLDBACK (RETAINAGE) provision is offered or allowed

SCI form 575 Terms and Conditions, which is attached, is an integral part of this offering.

Note payment via credit card on orders over $10,000 will incur a 3% adder.

Thank you for the opportunity to offer this Scope of Supply.
Please contact me with any questions and/or comments regarding this offering.

Ron Robinette
Sales
Cell 321-229-7643 Stuart office 800-247-0880
Ron@Mrsewage.com

Invoice

SANDERS COMPANY, INC.
2816 SOUTHEAST MONROE STREET
STUART, FLORIDA 34997
(772) 220-2900 (800) 247-0880
FAX (772) 220-3088

DATE	INVOICE #
12/31/2019	46669

300 3361
PO 312740
Req# 346496

SOLD TO:

UTILITIES INC.
500 W. MONROE STREET
CHICAGO, IL 60661-3779

SHIP TO:

UTILITIES INC.
200 WEATHERSFIELD AVENUE
ALTAMONTE SPRINGS, FL 32714
TAG: UIF SEM 10 UNIT

P.O. NUMBER	SALESPERSON	SHIP VIA	TERMS	ORDER DATE
UIF-SEMIN...	RR	BEST WAY	Net 30	05-15-2019

QTY ORD...	QTY SHI...	QTY B/O	DESCRIPTION	PRICE EACH	AMOUNT
4.5	4.5	0	RTU CONTROL PANEL, WALL MOUNTED WITH BACK PANEL	6,493.00	29,218.50T
4.5	4.5	0	INSTALLATION OF RTU	2,500.00	11,250.00
1	1	0	CREDIT FOR TAX ON PREVIOUS INVOICE	-825.00	-825.00
			PROJECT COMPLETE - FINAL INVOICE		
			Sales Tax	6.00%	1,753.11

Total $41,396.61

WE ACCEPT VISA, MASTERCARD, AND AMEX

Terms - NET 30 Days: Service Charge of 1 1/2% per month (18%per Annum) will be charged on past due accounts or the highest amount allowed by law. No material may be returned without permission. Material returned will be subject to a handling charge. Labor Guaranteed for 30 Days relative to noted equipment serviced.

Invoice

SANDERS COMPANY, INC.
2816 SOUTHEAST MONROE STREET
STUART, FLORIDA 34997
(772) 220-2900 (800) 247-0880
FAX (772) 220-3088

3003361
~~3003t~~
PO 312740
Rcpt. 332167

DATE	INVOICE #
7/25/2019	46281

SOLD TO:

UTILITIES INC.
500 W. MONROE STREET
CHICAGO, IL 60661-3779

SHIP TO:

UTILITIES INC.
200 WEATHERSFIELD AVENUE
ALTAMONTE SPRINGS, FL 32714
TAG: UIF SEM 10 UNIT

P.O. NUMBER	SALESPERSON	SHIP VIA	TERMS	ORDER DATE
UIF-SEMIN...	RR	BEST WAY	Net 30	05-15-2019

QTY ORDERED	QTY SHIPPED	%	DESCRIPTION
5.5	5.5	55.00%	RTU CONTROL PANEL, WALL MOUNTED WITH BACK PANEL
5.5	5.5	55.00%	INSTALLATION OF RTU
	1		SALES TAX

Subtotal	$49,511.50
Sales Tax (6.0%)	$2,967.69
Total	**$52,479.19**

WE ACCEPT VISA, MASTERCARD, AND AMEX
Terms - NET 30 Days: Service Charge of 1 1/2% per month (18%per Annum) will be charged on past due accounts or the highest amount allowed by law. No material may be returned without permission. Material returned will be subject to a handling charge. Labor Guaranteed for 30 Days relative to noted equipment serviced.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-38) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019174
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	8/20/2020
Project Name:	Summertree Chlorine Dioxide Pilot Study		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	252125 **SUMMERTREE W**		
Project Owner:	Patrick Flynn	**BU Type:**	WP
Project Manager:	Michael Wilson	**Budget Owner / RP:**	John Hoy
Start Date:	12/1/2019 Q4 2019	**Region:**	Florida 4
Estimated End Date:	6/20/2021 Q2 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	No		
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:	52,000		52,000
This Request:		**40,000**	**40,000**
Still to be Requested:			0
Total Project Budget:	**52,000**	**40,000**	**92,000**

Project Type: *(check all that apply)*

- ☐ Growth
- ☑ Maintenance
- ☐ Replacement
- ☑ Upgrade
- ☑ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

The change to this BCF of $40,000 reflect the equipment, start up, training, tax, freight and monitoring assistance for a new Chlorine Dioxide blending and injection system for the Summertree distribution system. The equipment and details can be reviewed on the proposal from Applied Oxidation. Due to the small size of this project and the equipment requirements vendors do not have this small equipment on hand to lease, and the lease costs over a 180 day test/pilot cycle would be a large portion of the actual purchase costs. Vendors solicited were not interested in providing equipment in a pilot type project.

The intent of this project is to install a pilot chlorine dioxide (CL02) system to provide chlorine dioxide as a secondary disinfectant to help maintain residuals throughout the Summertree water system and reduce overall flushing. A description of the engineering tasks as part of this BCF are listed below. (All tasks listed below can be reviewed in their entirety in the K-H proposal)

Task 1 – Pilot Testing Design and Vendor Coordination

Task 2 – FDEP Permitting

Task 3 – Conducting a 6- month pilot test including weekly monitoring of chlorite, chlorine, and DBP's, monthly review of data and provision of engineering support services throughout the pilot test.

Task 4 – Summary Technical Memorandum including estimated capital and O&M costs to implement ClO2 on a permanent basis and recommendations to guide FDEP in authorizing its use as a secondary disinfectant.

Timeline Considerations:

Currently this system requires flushing in excess of the Southwest Florida Water Management District's (SWFWMD) maximum 10% annual water loss limit. This triggers the need to propose a plan to reduce annual flushing as part of the Public Supply Annual Report (PSAR) document.

Inter-dependent Project Project Number: _____ Project Name _____ (If applicable)

Have engineering evaluations been performed? _____ Engineering project number _____ (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The water delivered to the Summertree customers is purchased from Pasco County Utilities at a bulk rate. By the time the water enters the ST system, the water age is typically 4 days, but much longer during low demand periods throughout the year. The disinfection method is chloramination, which produces a combined chlorine residual that varies significantly at the point of entry into the system and which decreases over time, especially at the farthest points in the system due to water age and water chemistry. To maintain a minimum total chlorine residual of 0.6 mg/L, the utility adjusts its flushing activity at remote locations to reduce water age.

The objective of this pilot program would be to identify the efficacy of using chlorine dioxide as a secondary disinfectant to stabilize chlorine residual throughout the distribution system by negating the presence of ammonia nitrogen and thus producing a free chlorine residual. If successful, flushing activity would be significantly reduced meaning less water would need to be purchased from Pasco Utilities at the bulk rate. This would result in reduced O&M. Additional potential savings would accrue by eliminating the cost of completing a chlorine burn semi-annually, which includes having to notice all customers before and after the burn event. Reducing the flushing volume will also bring this system into compliance with SWFWMD's requirement of less than 10% system water loss on an annual basis.

Additionally, the application of chlorine dioxide may improve taste and color of the water at the customer's tap. Water quality complaints would be reduced if this occurs.

Risk Evaluation

Failure to meet SWFWMD's requirement of less than 10% water loss in the system on an annual basis could trigger enforcement action by the District.

Alternatives Considered:

This pilot will determine an alternative to the existing method of sustaining an adequate chlorine residual by reducing water age through a daily flushing regimen. It is believed that this alternative will provide an overall reduction in O&M costs. Current semi-annual burn costs, including chemical, electrical, water loss and manpower demand, would be eliminated.

Maintaining the current operating strategy will result in increased O&M costs.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
54136	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330240 Summertree W	04/30/2020	361.44	
106258	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	06/01/2020		
175782	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	07/17/2020		
238986	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	08/14/2020		
238991	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	08/18/2020		
308938	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
366559	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	10/15/2020		
425055	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	11/02/2020		
471185	Florida-ENG - ST CHLORINE DIOXIDE PILO	Captime	Captime	2410-330010 State of FL Cost Center	11/19/2020		1,411.45
332010	Florida-ENG - ST CHLORINE DIOXIDE PILO	Construction	Construction	2410-330240 Summertree W	10/08/2020	11.92	
338027	Florida-ENG - ST CHLORINE DIOXIDE PILO	Construction	Construction	2410-330240 Summertree W	10/22/2020	34,101.00	
54779	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	04/08/2020	15,000.00	
158387	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	07/15/2020	12,000.00	
260013	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	09/10/2020	3,000.00	
332031	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	10/16/2020	1,200.00	
428003	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	11/10/2020	9,800.00	
500029	Florida-ENG - ST CHLORINE DIOXIDE PILO	Engineering	Engineering	2410-330240 Summertree W	12/09/2020	600.00	75,712.92
54753	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	04/30/2020	115.59	
64415	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	05/31/2020	115.59	
152016	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	06/30/2020	112.88	
152015	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	06/30/2020	3.51	
195166	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	07/31/2020	203.18	
195165	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	07/31/2020	4.30	
258108	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	08/31/2020	203.18	
258081	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	08/31/2020	7.46	
357054	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	09/30/2020	225.75	
357044	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	09/30/2020	8.25	
391134	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	10/31/2020	256.70	
391133	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	10/31/2020	234.78	
391144	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	10/31/2020	9.04	
488132	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	11/30/2020	256.70	
488114	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	11/30/2020	234.78	
488134	Florida-ENG - ST CHLORINE DIOXIDE PILO	Interest During Construction	Interest During Construction	2410-330240 Summertree W	11/30/2020	10.62	2,002.31
							79,126.68

Kimley»Horn

September 10, 2019

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

Re: Summertree Water System – Chlorine Dioxide Pilot Program and Improvements
Pasco County, Florida

Dear Mr. Wilson:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc. of Florida ("Client" of "UIF") for providing the design, permitting, and construction oversight services for the Summertree Water System Disinfection Improvements.

Project Understanding

UIF decommissioned the existing water treatment plants by interconnecting with Pasco County to provide potable water. As a result of these modifications, the Summertree Water Distribution System requires excess flushing to maintain chlorine residuals at the perimeter of the service area, wasting large volumes of potable water. The Florida Department of Environmental Protection (FDEP) requires by Rule, that disinfectant residuals are maintained above 0.6 mg/L. Based on discussions with the Utility, the chlorine residual at the point of connection (POC) has been inconsistent, creating concerns with meeting minimum residual at remote points in the system. The intent of this project is to provide chlorine dioxide as a secondary disinfectant to help maintain residuals throughout the Summertree system and reduce overall flushing.

UIF purchases water from Pasco County at a rate of $3.69 per 1,000 gallons. From January 2018 to January 2019, the estimated volume of potable water lost to flushing was 17,132,394 gallons, costing UIF approximately $63,218.00.

Scope of Services

Task 1 – Pilot Testing Design and Vendor Coordination

A. The Consultant will design improvements required to conduct a pilot test using chlorine dioxide as a secondary disinfectant at the POC to the Summertree Water Distribution System. The proposed improvements will be shown on an 11"x17" plan exhibit. The anticipated improvements include:
    - (1) 500-gallon mixing tank
    - Injection pumps and associated instrumentation and control panel
    - Residual analyzer
B. The assumptions for equipment sizing is included below:
    - Average Daily Demand: 80,000 GPD (Per 2016 Billing Data)
    - Maximum Daily Demand: 192,000 GPD (Per 2016 Billing Data)
    - Approximate Chlorine Dioxide Dosing Range: 0.3 ppm – 1.0 ppm
    - 500-Gal Mixing Tank Storage Retention Time:
        - 1.0 ppm dosing rate would provide storage for 2.5 days with 500-gal tank

- 0.3 ppm dosing rate would provide storage for 9 days with 500-gal tank

C. The Consultant will coordinate with the equipment and chemical providers prior to and during the pilot study. Consultant will coordinate the preliminary chlorine dioxide testing if necessary. It is anticipated that demand testing will be required prior to regulatory approval. The consultant will procure and coordinate the chlorine dioxide to be utilized for testing to confirm dosage and laboratory analysis.

Task 2 – FDEP Approval Request

A. The Consultant shall prepare and submit a request for approval to implement a pilot testing program for the use of chlorine dioxide as a secondary disinfectant at the POC to the Summertree Water Distribution System. The request for approval will include a pilot protocol, disinfection calculations, field and laboratory sampling plan, sampling logs to be used during the pilot testing, National Sanitation Foundation Certification documents for chemicals and equipment to be used, Material Safety Data Sheets, emergency safety procedures, reference to historical successes with chlorine dioxide, prior testing data, and a draft public notice for UIF to issue to all drinking water customers.

B. Following the preparation of the regulatory approval package, the Consultant will coordinate and attend one meeting with FDEP and UIF to review project approach and the anticipated results. This task includes response to (1) one round of comments issued by FDEP.

Task 3 – Testing Administration and Field Work

A. The pilot testing will occur over a 6-month period to verify treatment impacts to the distribution system. The Consultant will provide administrative services and engineering data review during this period. Anticipated administrative efforts include: monthly review of operating data collected, weekly support and troubleshooting calls for operations staff, laboratory sampling coordination for DBP and chlorite samples, coordination for DBP and chlorite testing, sample collection, and results review, and regulatory agency updates. All samples will be collected by UIF staff and delivered to laboratory for analysis.

Task 4 – Summary Technical Memorandum

A. A draft technical memorandum will be prepared and submitted to UIF for review. The technical memorandum will evaluate the following:
   - Observed DBP and disinfection results
   - Operational expense analysis for full scale implementation
   - Flushing reduction and estimated cost savings
   - Capital expenditures for permanent installation
   - Recommendations for future integration and regulatory requirements

B. Consultant will address up to one round of comments from UIF and will submit a final technical memorandum as the final deliverable.

Services Not Included

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

- Survey
- Environmental

- Geotechnical
- Structural
- Public Involvement

Opinion of Probable Cost Disclaimer

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

Information Provided By Client

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

- Service Area information
- Record Drawings
- Water Quality Data

Responsibilities of Client

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

- Access to the Site
- Sample and provide water quality data

Fee and Expenses

Kimley-Horn will perform the services described in Task 1-4 for the total lump sum fee shown below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the Consultant.

Task 1	Pilot Testing Design and Vendor Coordination	$15,000.00
Task 2	FDEP Approval Request	$15,000.00
Task 3	Testing Administration and Field Work	$12,000.00
Task 4	Summary Technical Memorandum	$10,000.00
Total Lump Sum Fee		**$52,000.00**

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

Closure

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

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

_X_ 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

W. Wade Wood III, P.E.
Associate

Utilities Inc. of Florida
A Corporation

By:

_____, President/Vice President

November 18, 2019
(Date)

Patrick C. Flynn, VP of Operations
(Print or Type Name)

patrick.flynn@uiwater.com
(Email Address)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-39) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020XXX
Requested by:	Michael Wilson *Project Manager / Area Manager*	**Date:**	6/22/2020
Project Name:	Summertree I&I Investigation		
Company:	**UTILITIES, INC. OF FLORIDA**	**Oracle GL:**	2410.330245.15
Business Unit:	252126 **SUMMERTREE S**	**CO #:**	252
Project Owner:	Patrick Flynn	**BU Type:**	SP
Project Manager:	Mike Wilson / Lee Neal	**Budget Owner / RP:**	Gary Rudkin
Start Date:	7/1/2020 Q3 2020	**Region:**	Florida 04
Estimated End Date:	11/1/2020 Q4 2020	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes	Project Type: *(Select one-->)*	Maintenance 002
Will project replace/retire any assets:	No		

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**28,620**	**28,620**
Still to be Requested:			0
Total Project Budget:	**0**	**28,620**	**28,620**

Description:

The project's scope includes the following.
Phase 1:
1) Clean, video inspect and smoke test 9,400 LF of 8" gravity main located in Pointe West Condominium collection system.
2) Generate a report that identifies pipe or manhole deficiencies that will require repairs. Use the report to solicit bids to correct those deficiencies.

Future Phase 2:
Solicit bids from qualified contractors to correct the deficiencies found.

Timeline Considerations:

Phase 1 of this project is being executed as a proforma project in the 2020 rate case.

Inter-dependent Project Project Number: Project Name (If applicable)

Have engineering evaluations been performed? Engineering project number (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Summertree Pointe West Condos, comprised of 418 small duplex units, were built in the late 1970's. The collection system consists of VCP piping. In the 1980's, hundreds of hammer taps were made in the VCP, which protrude into the flow way of the pipe, to connect newly added sunrooms containing washing machines to the sewer mains on the back lot lines. These hammer taps are likely sources of groundwater infiltration.

The Summertree is a bulk sewer system with Pasco County Utilities providing treatment and disposal. The investigation will allow us to identify the location, extent, and scale of pipe deficiencies with a goal, in a separate future construction project, of reducing the volume of groundwater infiltration and surface runoff.

Subsequently in Phase 2, the Utility will solicit bids from qualified contractors to address those deficiencies using various technologies such as CIPP, open cut pipe replacement, MH lining and/or other methods.

Risk Evaluation

This evaluation will identify deficiencies in gravity sewer mains and/or manholes that are allowing excess infiltration and inflow to enter the system. By identifying the number and location of hammer taps, a separate construction project can be developed to remove pipes protruding into the gravity mains that may otherwise increased solids deposition and increase the risk of backups.

Alternatives Considered:

Reduce the length of pipe to be evaluated to decrease the project cost. However, this may result in delaying the discovery of significant pipe deficiencies or locations where runoff or groundwater is entering the collection system.

Technical Review Summary:

This project has been reviewed by field staff and management.

Altair Environmental Group

710 S Milwee Street, Longwood, FL 32750
Tel : 407-339-7134 Fax : 407-339-6618

Proposal / Quotation

Date	8/15/19	Reference	19165

Altair Environmental Group, LLC (Altair) is pleased to confirm the following proposal / quotation wholly subject to their **Standard Terms & Conditions of Business** as attached :

Client:	**Utilities, Inc/Mid-County Services** **Mr. Lee Neal** **200 Weathersfield Ave.** **407-948-9865** **Altamonte Springs, Fl. 32714** **wlneal@uiwater.com**
Project:	**Mid-County Services Area Cleaning Internal Television Inspection and Smoke Testing of Sanitary Sewer Pipelines; Point West/Summertree; Florida**
Services:	**Cleaning, Internal Television Inspection and Smoke Testing of Sanitary Sewer Pipelines**
Price:	**Mobilization.....$1500.00** **Clean/Televise 9400' lf(approx.) x $2.50 per lf.....$23,500.00** **Smoke Test 9400' lf(approx.) x $0.30 per lf.....$2,820.00** **Dump Fee's.....$800.00** **Project Estimate $28,620.00**

The above price is based on the minimum stated quantities of ___ LF of ☐ Sanitary Sewer ☐ Stormwater Pipelines. Any additional LF over and above the stated minimum will be charged at $_____per LF.

Special Conditions	**Pricing includes Report of Findings and Video DVD's**

Client Responsibilities (at no cost to Altair):

- ☐ Local facilities or dumpsite for disposal of removed debris / waste material.
- ☒ Water supply from nearest fire hydrant.
- ☐ Site area for storage of equipment.
- ☒ Traffic control beyond traffic cones and permits where applicable.
- ☐ Exposure of all manholes and access to all work areas without delay.

Payment terms are to be within 15 days of invoice date, invoices will be submitted upon work completion or minimum monthly.

Submitted by: Don Layton/Estimator
(Title)

Don Layton
Signature on behalf of
Altair Environmental Group, LLC

Accepted by: Patrick Flynn, VP of Operations
Print Name / Title

Patrick C. Flynn
Signature on behalf of Client

ALTAIR EVIRONMENTAL GROUP, LLC

STANDARD TERMS & CONDITIONS OF BUSINESS

COMPANY: Altair Environmental Group, LLC, a Florida Limited Liability Company, whose address is 710 S Milwee Street, Longwood, Florida 32750 (hereinafter referred to as **"ALTAIR"**)

CLIENT: Any corporation, company, organization, agent or individual entering into a written agreement with ALTAIR for the provision of services or materials or any other business dealing, for which payment is agreed with or becomes due and payable to ALTAIR. (hereinafter referred to as "Client")

PROPOSALS & QUOTATIONS: All proposals or quotations provided by ALTAIR must be in writing and signed by an authorized representative of the company to be valid and any such proposal or quotation is valid for acceptance within 30 days of the respective submission date, unless agreed otherwise in writing.

PAYMENT TERMS: Payment of all invoices is due within 15 days from the invoice date, unless terms are agreed otherwise, in writing from ALTAIR. Invoices will be raised weekly based on completed work and at ALTAIR'S discretion. Any dispute or query regarding the invoiced amount must be communicated in writing within 10 days (objection period) from the invoice date and Client will be deemed to have accepted the invoice as delivered and all services / work standards relating thereto, unless objected to in writing within the objection period.

REMEDIES FOR NON PAYMENT: All sums not paid when due will bear interest at the rate of 1.5% per month from due date until paid or the maximum legal rate permitted by law, whichever is less. In the event of legal action being deemed necessary to enforce payment, ALTAIR shall be entitled to all costs of collection, including a reasonable attorney's fee. In addition, if the Client fails to make payment to ALTAIR as herein provided, then ALTAIR may stop work without prejudice to any other remedy it may have. The parties further agree that in the event of any controversy arising between them, then in such event, the State Courts of Seminole County, Florida, shall be the forum in which the parties agree to try and have heard any matters of litigation arising out of such controversies.

WARRANTIES: All workmanship and materials are guaranteed against defects in workmanship for a period of one year from the date of substantial completion of the project. This warranty is in lieu of all other warranties, expressed or implied, including any warranties of merchantability or fitness for a particular purpose. ALTAIR will not be responsible for damage to its work by other parties or normal wear and tear. Any repair work necessitated by caused damage will be considered as an order for extra work.

INDEPENDENT CONTRACTOR: Both ALTAIR and the Client agree that ALTAIR will act as an independent contractor in the performance of its duties under this contract. Accordingly, ALTAIR shall be responsible for payment of all taxes, including Federal, State, and local taxes arising out of ALTAIR'S activities, including by way of illustration but not limitation, Federal and State income tax, Social Security tax, Unemployment Insurance taxes, and any other taxes.

UNFORESEEN OCCURENCES: In the event that any unforeseen occurrences or conditions are encountered after the work has commenced and which ALTAIR judge, at their sole discretion, to significantly effect or may effect the services, the risk involved in providing the services or there being a material change to the proposed or quoted scope of services, ALTAIR may a) immediately cease work without liability to the client, or b) renegotiate with client to change the scope of work with price adjustment or change order, or c) Apply downtime / hourly or day rates until occurrence or condition is resolved to the satisfaction of ALTAIR.

DOWNTIME/STOPPAGES/ADDITIONAL WORK: In the event that ALTAIR is unable to work or encounter stoppages due to circumstances beyond their control or unforeseen circumstances or occurrences, particularly any underground structure problems causing delay or stoppage of work or in the event of any work being required beyond the quoted scope of work, then an hourly or daily rate will be charged, subject to prior client notification in writing from ALTAIR.

PROJECT ESTIMATES: ALTAIR may from time to time provide written estimates of projected timescale or hours for a particular project at client's request, however, this in no way binds ALTAIR to a final timescale for the services to be provided. The actual hours will be determined by specific site requirements and operational demands, which cannot be wholly determined due to the nature of the services provided by ALTAIR.

CLIENT SERVICE ORDERS: In the event that the Client chooses to issue a service order, whether verbal or in writing, such service order shall be governed by ALTAIR'S Standard Terms & Conditions of Business as detailed herein and any such client agreement cannot change the Payment Terms under any circumstances unless specifically agreed to in writing from ALTAIR and such agreement being authorized and signed by the owner or director of ALTAIR. In the event of any inconsistency between the ALTAIR terms and conditions as detailed herein and the terms of a service order, the ALTAIR terms and conditions shall prevail. In any event, settlement of all ALTAIR correctly submitted invoices must be made within 30 days from invoice date, irrespective of client having received payment from their respective client.

CONTRACT ACCEPTANCE: In the event that the Client fails to sign acceptance of an ALTAIR proposal or quotation, due to oversight by either or both parties or any other reason and the services are commenced or completed on the Clients written or verbal instruction due to emergency, urgency or some other reason, then these terms and conditions will be deemed to have been accepted by the Client as if such proposal or quotation had been signed.

CLIENT RESPONSIBILITIES: The Client will normally provide the following services, at no cost to ALTAIR for the duration of the project, unless

agreed otherwise in writing by ALTAIR, a) Approved dumpsite and disposal for all materials to be removed from site of work, b) Access to site of work for ALTAIR personnel and equipment, without delay, c) All temporary site facilities including suitable storage space for equipment, d) Any special permits and/or licenses, without delay, e) Supply and access to all water required for the project from the nearest fire Hydrant, f) Work areas prepared and accessible, without delay, to enable the services to be provided, g) Authorized representative of the Client at the site of work, at all times services are being performed and with authority to accept the services as completed and / or hours worked and h) Location and exposure of all manholes in the project area.

Insituform Technologies, LLC is a subsidiary of Aegion Corporation

Insituform Technologies, LLC

17988 Edison Avenue
Chesterfield, MO 63005
www.insituform.com

Kenny Boeh
Business Development Manager

Phone: (412) 310-8826
Fax: (813) 627-0006
Email: kboeh@aegion.com

5/18/2020 **AAJA-YWXTQW**

Utilities, Inc. of Florida

Email: wlneal@uiwater.com
Office: 800-272-1919

Re: New Port Richey, FL Summertree Sanitary Sewer Rehabilitation Project

Dear Lee,

Insituform Technologies, LLC, ("ITLLC") is pleased to provide the following proposal to **Utilities, Inc.**, hereinafter referred to as "Customer", for the scope of work detailed below for the above-referenced Project.

INSITUFORM SCOPE OF WORK / RESPONSIBILITIES

ITLLC will provide the following:

1. Mobilization and demobilization of personnel, equipment, and materials to and from the Project site. The price presented is based upon one (1) instance of mobilization and demobilization.
2. Install **polyester** resin impregnated CIPP liner in accordance with ASTM F1216 or F1743 using either water or air/pull-in/steam, at the discretion of ITLLC. We have not included any costs associated with the disposal of inversion water.
3. Manhole Rehabilitation using Raven 405 including patch/repair all minor voids, and/or areas of seepage, as necessary with Raven approved repair mortars up to 1/2" thick. Topcoat with Raven 405 Ultra High Build Epoxy at 125 mil thickness. The monolithic epoxy coating of entire structure to be inspected with high voltage Holiday detection equipment.
4. Clean and CCTV inspection of 70 laterals for Lateral CIPP Lining Top Hat / Full Wrap- up to 36" on 4" Lateral Connection.
5. Clean and CCTV inspection of the pipe before the lining process with CCTV inspection after lining is complete as a deliverable.
6. Standard ITLLC one-year warranty from date of installation, excluding any required warranty TV inspection and/or testing.
7. Standard insurance coverage with the following limits:
   General Liability: $2,000,000 per occurrence/$4,000,000 aggregate
   Auto: $2,000,000 Combined Single Limit
   Workers Compensation: Statutory with $1,000,000 Employer's Liability
   The above insurance shall not include Primary and Non-Contributory Coverage and ITLLC shall not provide a Waiver of Subrogation endorsement.

NOTE: Modifications to the Scope of Work/Responsibilities of ITLLC may result in a change in price and/or duration.

ASSUMPTIONS AND QUALIFICATIONS

ITLLC's Proposal Pricing is based upon the following assumptions and clarifications:

1. ITLLC assumes the work will be completed during dry weather conditions.
2. Quantities are estimated. Customer shall be invoiced for actual quantities at the stated unit price. Any changes or reductions to this scope post bid will be subject to a change in price.
3. ITLLC is an open-shop company and shall not be subject to any union requirements or agreements and will not enter into any Project Labor Agreement or any such similar agreement for this Project. Where required by the Contract Documents, ITLLC will pay the Prevailing Wages then in effect for the Project and will submit Certified Payroll Reports in a timely manner.

PROPOSAL PRICING

ITLLC proposes the following pricing for the scope of services described herein:

Item	Description	Unit	Qty	Unit Price	Total Price
1	Mobilization	LS	1	$3,000.00	$3,000.00
2	Clean/CCTV Inspect 6" - 10" Diameter	LF	3496	$2.80	$9,788.80
3	CIPP 6"	LF	543	$27.00	$14,661.00
4	CIPP 8"	LF	1838	$23.00	$42,274.00
5	CIPP 10"	LF	1115	$25.00	$27,875.00
6	Service Reinstatement	EA	76	$100.00	$7,600.00
7	Lateral CIPP Lining Tophat/Full Wrap up to 36" - 4" Lateral	EA	70	$2,100.00	$147,000.00
8	Root Removal 6"-10" Diameter	LF	1400	$4.80	$6,720.00
9	Protruding Tap Removal	EA	33	$421.80	$13,919.40
10	Mobilization for Manhole Rehabilitation	LS	1	$2,410.00	$2,410.00
11	MH-1 Golf Round 48" Diameter manhole 26" deep	EA	1	$2,410.00	$2,410.00
12	MH-2 12014 Boynton 48" Diameter manhole 20" deep	EA	1	$2,410.00	$2,410.00
13	MH-3 Intersection of Boyton x Carissa 48" Diameter manhole 23" deep	EA	1	$3,012.60	$3,012.60
14	MH 4 11910 Boynton 48" Diameter manhole 35" deep	EA	1	$3,856.10	$3,856.10
15	MH 4A 11832 Boynton 48" Diameter manhole 48" deep	EA	1	$4,458.60	$4,458.60
16	MH 6 11718 Carissa 48" Diameter manhole 62" deep	EA	1	$3,012.60	$3,012.60
17	MH-6A 48" Diameter manhole 38" deep	EA	1	$3,313.80	$3,313.80
18	MH-6B 11820 Carisa 48" Diameter manhole 40" deep	EA	1	$2,410.00	$2,410.00
19	MH-11 48" Diameter manhole 27" deep	EA	1	$3,856.10	$3,856.10
20	MH-11 rear 11836 48" Diameter manhole 48" deep	EA	1	$3,012.60	$3,012.60
21	MH 11A rear 11926 48" Diameter manhole 32" deep	EA	1	$3,012.60	$3,012.60
22	MH 11B Rear 12012 Bayonet 48" Diameter manhole 33" deep	EA	1	$2,410.00	$2,410.00
23	MH 12 11617 48" Diameter manhole 24" deep	EA	1	$2,651.10	$2,651.10
24	MH 12 Near 11835 48" Diameter manhole 27" deep	EA	1	$2,892.10	$2,892.10
25	MH 13 11923 48" diameter manhole 28" deep	EA	1	$2,892.10	$2,892.10
				Total	**$320,858.50**

*Note: Pricing based on the information provided at time of proposal.

EXCLUSIONS :

The following items are excluded from ITLLC's above Pricing and Scope of Services / Responsibilities stated in this Proposal. These items, if necessary, applicable or otherwise required, shall be furnished by Customer, at Customer's direction and at no cost to ITLLC or may, upon mutual agreement in writing between ITLLC and Customer, be provided by ITLLC at an additional cost:

1. Any and all Permits, licenses and construction easements.
2. Manual operation of any pumping and/or metering stations.
3. Environmental/erosion controls (i.e., hay bales, silt fence, turbidity barriers, cofferdams, dikes etc.) that may be required adjacent to manholes, access points and/or water supply hose.
4. Any costs associated with obtaining effluent water from treatment plant.
5. Removal of failed materials in manholes.
6. MACP Inspection of Manholes prior to Manhole Rehabilitation.
7. Any costs associated from disposal of debris from Cleaning and CCTV inspection of sewer mains.
8. Burial and/or ramping of discharge or bypass hose/pipe.
9. Maintenance of traffic.
10. Any voids, missing bricks, major leaks in manhole structures for MH Rehabilitation.
11. Obstruction removal (calcium, concrete, mineral deposits, roots, etc.) and/or protruding tap removal.
12. Point repairs of any kind.
13. Any additional charges associated with the disposal of cure water.
14. Repair of pipe damaged during any industry standard high-pressure jet cleaning operations, preparation or lining and any subsequent cleaning necessary to remove debris that has fallen into the pipe as a result of any such collapse or repair.
15. Locations of and access (of ITLLC equipment and/or personnel) to all catch MH's/ catch basins associated with the project and as required by ITLLC's work plan.
16. Equivalent pipe diameter access from the invert to the street level at each installation site.
17. Payment and Performance bonds. If payment and performance bonds are required, add 2.5% to the total Project cost.
18. Removal and disposal of any hazardous or toxic materials encountered during the Project.
19. Holiday work, rush delivery or adverse weather work (as defined by ITLLC).
20. Complete independent testing of liner samples from each installation. Will be provided if required per specifications.
21. Certified Professional Engineer stamped designs. Will be provided if required in specifications.
22. State and local sales and/or use taxes.
23. Additional premiums for special insurance coverage(s) specific to this project.

GENERAL TERMS AND CONDITIONS:

1. ITLLC's Proposal is conditioned upon Customer's acceptance of the terms and conditions set forth herein. Customer's ordering of material or services by purchase order or otherwise, shall be treated as Customer's acceptance of such terms and conditions. All terms and conditions in Customer's purchase order or in any other communication to ITLLC, whether submitted previously or subsequently to this Proposal, which are additional to or inconsistent with the terms and conditions of this Proposal are not binding upon ITLLC and shall not be applicable to this Proposal, except to the extent accepted in writing by ITLLC. Any change or amendment to this Proposal, to be binding upon ITLLC, must be accepted in writing by ITLLC.
2. ITLLC has based its Proposal on a nominal wall thickness for the Insitutube as shown in the price. This is based on the best available information at the time of this Proposal. Existing pipe deterioration in excess of the conditions assumed, ground water loads in excess of those assumed, or other loads or conditions may increase the recommended thickness for all or portions of the work. Final recommendations may be submitted to you following the completion of the preliminary TV phase of the project. Stated prices are subject to adjustment if design changes are agreed upon.
3. Specific service connections will be reconnected only when written directions are received from the Customer. The Customer will indemnify and hold ITLLC harmless from all claims arising from backups and other effects of such actions or inaction's from services not opened at the owner's request. In the

event that Insituform is unable to locate or reconnect a service lateral internally, the Customer will externally reconnect the service at no cost to ITLLC.

4. This Proposal is valid for 30 days, unless otherwise extended by ITLLC.
5. PAYMENT: Payment is due in full, without exception or retention, within 30 days of the date of the invoice. Monthly partial progress payments may be requested for the value of work in progress or completed, including materials delivered to the Project site. Payments due and unpaid shall bear interest at the rate of 1½ % per month from the date payment is due. Should ITLLC incur costs or expenses to collect monies claimed due hereunder from Customer, Customer shall pay to ITLLC, in addition to all other sums due to ITLLC, attorneys' fees, consultants' costs, and other expenses and costs, including but not limited to litigation and/or arbitration expenses and arbitrator compensation, in connection therewith.
6. ITLLC is not a union shop and shall not be subject to any union requirements or agreements or project labor agreements. On public projects where required, ITLLC will pay prevailing wages as identified by Customer prior to submission of this Proposal.
7. Should ITLLC learn of any information that causes ITLLC concern about Customer's ability to pay and/or perform any of its obligations owing to ITLLC under Proposal, ITLLC has the right to request Customer to provide ITLLC adequate assurance of due performance on such terms as are deemed reasonable by ITLLC when acting in good faith, including the right to await full or partial payment from Customer as required by ITLLC. In such an instance, ITLLC may suspend its performance pending ITLLC's receipt of adequate assurance of due payment and/or performance in a manner found acceptable by ITLLC.
8. ITLLC shall not be responsible for any inability to perform under this Proposal or for any loss or damage due to delays or disruptions resulting directly or indirectly from, or contributed to by, any act of God, action or omission of Customer, act of civil or military authorities, fire, strike or other labor dispute, accident, flood, adverse weather, war, riot, terrorism, transportation delay, inability to obtain material or fuel supplies, or any other circumstances beyond ITLLC's reasonable control, whether similar or dissimilar to any of the foregoing. If ITLLC crews are delayed on site for reasons beyond the control of ITLLC, then ITLLC's standby time will be invoiced to Customer at an hourly rate of **$1,000** per hour.
9. Claims for Changed, Concealed or Unknown Conditions: If conditions are encountered at the site which are (1) materially changed; (2) subsurface or otherwise concealed physical conditions which differ materially from the information upon which this Proposal is based or (3) unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for herein, then the Proposal Price and Time shall be equitably adjusted to address the conditions, where prior written notification and approval of claims exist.
10. LIMITED WARRANTY: ITLLC WARRANTS TO CORRECT ANY DEFECT IN THE MATERIALS OR SERVICES PROVIDED BY ITLLC WHICH ARE BROUGHT TO THE ATTENTION OF ITLLC IN WRITING WITHIN ONE YEAR FOLLOWING COMPLETION OF ITLLC'S WORK, PROVIDED CUSTOMER AFFORDS ITLLC SUITABLE ACCESS AND WORKING CONDITIONS TO ACCOMPLISH SUCH CORRECTION.
11. Except for the express warranty forming a part of this Proposal, ITLLC DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY. ITLLC'S LIABILITY TO CUSTOMER, WHETHER IN CONTRACT, WARRANTY, TORT OR OTHERWISE, IS LIMITED TO THAT PERMITTED UNDER THIS PROPOSAL, ITLLC Shall NOT BE LIABLE TO CUSTOMER FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE, LOST TIME, DELAY, DISRUPTION, INTERFERENCE, LOSS OF PRODUCTIVITY, INCONVENIENCE, LOST INCOME, OR LOST PROFITS.
12. This agreement may be terminated by either party upon seven (7) days written notice should the other party fail substantially to perform in accordance herewith through no fault of the party initiating the termination.
13. The terms and conditions of this Proposal form the entire agreement between the parties. All other terms, proposals, negotiations, representations, recommendations, statements or agreements, whether made or issued contemporaneously or previously, are excluded from and are not a part of this Proposal, and have no binding or enforceable effect. This Proposal, if accepted, shall be binding on the parties and their respective successors and assigns.

The information contained in this letter is proprietary to Insituform Technologies, LLC. and shall be retained by the recipient in confidence and shall not be published or otherwise disclosed to third parties without the express written consent of Insituform Technologies, LLC. The foregoing shall not preclude the use of any data which (i) was in its possession without restriction as to use prior to receipt as proprietary of the same or similar data from Insituform Technologies, LLC., (ii) is or becomes available from a public source on or after such receipt from Insituform Technologies, LLC. or (iii) is obtained by the recipient from a third party not under obligation of confidentiality or other restriction with respect to use.

Please do not hesitate to contact me with any further questions.

Very truly yours,
Insituform Technologies, LLC.



Kenny Boeh
Business Development Manager

Accepted By: Patrick C. Flynn (signed) Date: August 26, 2020

Patrick C. Flynn (print name) Title: Vice President of Operations

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-40) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020XXX
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	4/10/2020
Project Name:	Golden Hills Galvanized Water Main Replacement			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	252129	**GOLDEN HILLS W**		
			BU Type:	WP
Project Owner:	Patrick Flynn			
			Budget Owner / RP:	Gary Rudkin
Project Manager:	Bryan K. Gongre			
			Region:	Florida 4
Start Date:	4/20/2020	Q2 2020		
			State:	FL
Estimated End Date:	8/1/2020	Q3 2020		
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**75,160**	**75,160**
Still to be Requested:			0
Total Project Budget:	**0**	**75,160**	**75,160**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Replace approximately 1,990 LF of 2" galvanized water main with 2" PE pipe in three cul-de-sacs.
Install (3) 2" VB-2000 blow offs.
Install (6) 2" RWGV gate valves.
Reconnect (18) service lines.
Remove and replace (2) standard 3-way fire hydrant assemblies.

Cul-de-sacs:
NW 76th Court
NW 78th Court
NW 80th Ave. Road

Timeline Considerations:

This is a proforma project included in the Utility's 2020 rate filing that must be completed by 12/31/21 to qualify as a proforma.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		No	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The existing 2" galvanized water mains and fire hydrants were originally installed in the 1960's. Over the years, the water mains have become tuberculated resulting in diminished carrying capacity, ongoing water quality issues and most recently began springing leaks that have been repeatedly patched with the use of full circle clamps. The new 2" PE water mains will restore the carrying capacity to design conditions, improve water quality and decrease expenses related to repair parts and labor costs.

The two existing fire hydrants are dated 1964 and both have valve seats that are damaged and leaking. Repair parts are not available. The two new hydrants will be fully functional and provide for many years of service life.

Risk Evaluation

The new materials being installed will restore the level of service to original conditions, avoid water loss and improve water quality.

Alternatives Considered:

Replace one segment of 2" galvanized at a time meaning parse the project out. This approach would mean ongoing repair activity over time until all of the water main was evenutally replaced.

Technical Review Summary:

Project was reviewed and approved by the CPRT on 5/21/2020 without the need for correction or revsion.

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
284933	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/02/2020		
318081	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/03/2020		
284983	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/03/2020		
284984	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/03/2020		
284985	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/03/2020		
318080	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/04/2020		
284929	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/04/2020		
284930	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/04/2020		
307209	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
310292	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
311806	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/09/2020		
307211	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
311843	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
307208	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/17/2020		
346814	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/22/2020		
346764	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/23/2020		
344978	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
346762	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/29/2020		
346820	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/30/2020		
344976	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	09/30/2020		
346817	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/01/2020		
344974	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/02/2020		
380289	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/21/2020		
380288	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/23/2020		
380285	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	10/29/2020		
470164	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/17/2020		
470159	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/18/2020		
470160	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/19/2020		
470161	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/20/2020		
470163	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/23/2020		
470162	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330010 State of FL Cost Center	11/24/2020		4,425.00
488117	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Captime	Captime	2410-330260 Golden Hills W	11/30/2020	33.06	
271020	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Construction	Construction	2410-330260 Golden Hills W	09/11/2020	4,800.00	
271019	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Construction	Construction	2410-330260 Golden Hills W	09/11/2020	4,800.00	
334015	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Construction	Construction	2410-330260 Golden Hills W	10/20/2020	26,730.00	
450023	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	Construction	Construction	2410-330260 Golden Hills W	11/25/2020	19,250.00	55,580.00
488100	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	IDC	IDC	2410-330260 Golden Hills W	11/30/2020	418.24	
492006	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	84.42	
492008	Florida-GOLDEN HILL GALVANIZED WATER MAIN REPLACEMENT	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	298.09	800.75
							60,805.75

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone #352-793-5060

PO 341216

Estimate

Date	Estimate #
1/27/2020	ECO-3255

Name / Address
Utilities, Inc. of Florida 500 W Monroe St STE 3600 Chicago, IL 60661-3779

Account #
UC101

Description	Qty	Rate	Total
Golden Hills, N.W. 76 Court Ocala, Florida Construct Typical Cul-De-Sac Layout and Blow-Off according to Utilities, Inc. detail. Machine Excavate 600 feet of 2" Blue Poly Pipe w/ Locate wire. Bore Under Road and Driveways 6 - new water services and connect to residents 1- New Model VB 2000, 2" Flushing Fire Hydrant assembly in a large meter box 2 - 2" Gate Valves Restore area back to original state and sod Utilities Inc will furnish water meters and meter boxes		19,580.00	19,580.00
		Total	$19,580.00

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone #352-793-5060

Estimate

Date	Estimate #
2/28/2020	ECO-3298

Name / Address
Utilities, Inc. of Florida 2335 Sanders Road Northbrook, IL 60062

Account #
UC101

Description	Qty	Rate	Total
Golden Hills, N.W. 78th Court Ocala, Florida Construct Typical Cul-De-Sac Layout and Blow-Off according to Utilities, Inc. detail. Machine Excavate 810 feet of 2" Blue Poly Pipe w/ Locate wire. Bore Under Road and Driveways 6 - new water services and connect to residents 1- New Model VB 2000, 2" Flushing Fire Hydrant assembly in a large meter box 2 - 2" Gate Valves Restore area back to original state and sod Utilities Inc will furnish water meters and meter boxes		26,730.00	26,730.00
		Total	$26,730.00

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone #352-793-5060

Estimate

Date	Estimate #
2/28/2020	ECO-3297

Name / Address
Utilities, Inc. of Florida 2335 Sanders Road Northbrook, IL 60062

Account #
UC101

Description	Qty	Rate	Total
Golden Hills, N.W. 80th Ave Rd Ocala, Florida Construct Typical Cul-De-Sac Layout and Blow-Off according to Utilities, Inc. detail. Machine Excavate 580 feet of 2" Blue Poly Pipe w/ Locate wire. Bore Under Road and Driveways 6 - new water services and connect to residents 1- New Model VB 2000, 2" Flushing Fire Hydrant assembly in a large meter box 2 - 2" Gate Valves Restore area back to original state and sod Utilities Inc will furnish water meters and meter boxes		19,250.00	19,250.00
		Total	$19,250.00

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone #352-793-5060

Estimate

Date	Estimate #
2/27/2020	ECO-3296

Name / Address
Utilities, Inc. of Florida Attn: Nancy Luppino, Accounts Payable 2335 Sanders Road Northbrook, IL 60062

Account #
UC101

Description	Qty	Rate	Total
5891 NW 80th Ave Golden Hills Ocala, Florida Date 2/27/2020 Extremely Hard Digging Locate existing utilities and machine excavate down to the water main to remove the dysfunctional fire hydrant. Inspect fire hydrant valve and pipe before installing new fire hydrant assembly. Test for normal operation and replace sod.		4,800.00	4,800.00

Total $4,800.00

ECO-2000, Inc.
P.O. Box 2275
Bushnell, FL 33513
Phone #352-793-5060

Estimate

Date	Estimate #
2/27/2020	ECO-3295

Name / Address
Utilities, Inc. of Florida Attn: Nancy Luppino, Accounts Payable 2335 Sanders Road Northbrook, IL 60062

Account #
UC101

Description	Qty	Rate	Total
7671 NW 46th PL Golden Hills Ocala, Florida Date 2/27/2020 Extremely Hard Digging Locate existing utilities and machine excavate down to the water main to remove the dysfunctional fire hydrant. Inspect fire hydrant valve and pipe before installing new fire hydrant assembly. Test for normal operation and replace sod.		4,800.00	4,800.00

Total $4,800.00

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-41) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2019146
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	9/18/2019
Project Name:	Golden Hills WM Relocation		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	252129 **GOLDEN HILLS W**		
		BU Type:	WP
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	John Hoy
Project Manager:	Bryan K. Gongre		
		Region:	Florida 4
Start Date:	9/18/2019 Q3 2019		
		State:	FL
Estimated End Date:	10/31/2019 Q4 2019		
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**2,000**	**141,914**	**143,914**
Still to be Requested:			0
Total Project Budget:	**2,000**	**141,914**	**143,914**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☑ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Remove and relocate approximately 1,350 LF of 6" AC water main, install (5) 6" GVs and relocate one fire hydrant that are in conflict with Marion County's design plans to construct storm water improvements on NW 78th Avenue.

Timeline Considerations:

The original facilities must be relocated prior to the County's contractor constructing the stormwater improvements. The county's project has been let with clearing and grubbing underway.

Inter-dependent Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Our facilities are located within the Marion County right-of-way and as such must be relocated under the terms and conditions of the existing right-of-way permit. The existing water main is AC and will be grout filled eliminating the need for pipe removal.

Risk Evaluation

The existing water main is within the Marion County right-of-way and subject to the conditions of the County's permit conditions. Refusal to relocate and remove the pipe would mean receiving a notice issued by the County to vacate the right-of-way.

Alternatives Considered:

This project will be performed using the directional drill method as opposed to open cut. Open cut was considered but there are numerous conflicts with other utilities and would require paving that would drive up costs.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
39308	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	09/30/2019	100.00	
39309	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	09/30/2019	45.18	
39310	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	09/30/2019	45.18	
33929	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	316.26	
44690	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	180.72	
44691	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	316.26	
44693	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	316.26	
44694	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	180.72	
44695	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	316.26	
44692	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	316.26	
33928	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/08/2019	90.36	
44236	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/15/2019	271.08	
44235	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/15/2019	361.44	
44009	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/22/2019	271.08	
44010	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/22/2019	271.08	
44011	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/22/2019	225.90	
44048	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	10/22/2019	225.90	
45588	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/05/2019	135.54	
45204	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/05/2019	225.90	
45205	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/05/2019	225.90	
45206	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/05/2019	180.72	
45207	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/05/2019	180.72	
45546	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/15/2019	90.36	
45547	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/15/2019	180.72	
45417	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/19/2019	180.72	
45268	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/19/2019	135.54	
45269	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/19/2019	180.72	
45965	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/30/2019	45.18	
45966	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	11/30/2019	135.54	
47025	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/03/2019	90.36	
47007	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/03/2019	225.90	
47026	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/03/2019	180.72	
47027	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	180.72	
47028	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	45.18	
47030	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	271.08	
47031	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	45.18	
47029	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	90.36	
44888	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	67.77	
44889	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	45.18	
44890	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/15/2019	100.00	
44891	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44893	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	271.08	
44894	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	135.54	
44895	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44898	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44899	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	225.90	
44918	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44897	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	225.90	
44892	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44896	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	180.72	
44919	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/17/2019	271.08	

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
44920	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/31/2019	180.72	
44922	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/31/2019	180.72	
44923	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/31/2019	180.72	
47446	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/31/2019	225.90	
44921	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	12/31/2019	180.72	
49834	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/14/2020	180.72	
49836	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/14/2020	180.72	
49837	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/14/2020	225.90	
49835	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/14/2020	135.54	
49853	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/15/2020	45.18	
49850	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/28/2020	180.72	
49851	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/28/2020	180.72	
49852	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/28/2020	180.72	
49854	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	01/31/2020	67.77	
50903	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	02/11/2020	180.72	
50902	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	02/11/2020	180.72	
50904	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	02/25/2020	474.39	
53279	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	03/31/2020	180.72	
53280	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	03/31/2020	90.36	
53281	GOLDEN HILLS WM RELOCATION NW	Captime	Captime	2410-330260 Golden Hills W	03/31/2020	180.72	12,918.17
39306	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	09/30/2019	1.43	
43037	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	10/31/2019	44.02	
96085	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	11/30/2019	-898.35	
94102	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	11/30/2019	898.35	
45306	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	11/30/2019	898.35	
47006	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	12/31/2019	932.25	
49829	GOLDEN HILLS WM RELOCATION NW	Interest During Construction	Interest During Construction	2410-330260 Golden Hills W	01/31/2020	1,251.61	3,127.66
39307	GOLDEN HILLS WM RELOCATION NW	Piping	Piping	2410-330260 Golden Hills W	09/30/2019	2,000.00	
45110	GOLDEN HILLS WM RELOCATION NW	Piping	Piping	2410-330260 Golden Hills W	11/22/2019	111,634.86	
49831	GOLDEN HILLS WM RELOCATION NW	Piping	Piping	2410-330260 Golden Hills W	01/09/2020	9,765.00	
49832	GOLDEN HILLS WM RELOCATION NW	Piping	Piping	2410-330260 Golden Hills W	01/29/2020	20,514.14	
49833	GOLDEN HILLS WM RELOCATION NW	Piping	Piping	2410-330260 Golden Hills W	01/29/2020	10,850.00	154,764.00
							170,809.83

TRAVERSE GROUP, INC.

PO BOX 121754
CLERMONT, FL 34712

Estimate

Date	Estimate #
8/20/2019	2019UI30

Name / Address
UTILITIES, INC. OF FLORIDA 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FL 32714

Project
GOLDEN HILLS

Description	Qty	Units	Rate	Total
GOLDEN HILLS 6" WATERMAIN RELOCATE				
Mobilization (4 EA)	1	LS	7,500.00	7,500.00
Jumper Assembly	1	EA	1,286.00	1,286.00
Stake and Layout	1	LS	2,500.00	2,500.00
Locates and Soft Digs	1	LS	10,890.23	10,890.23
Drafting & Survey	1	LS	9,750.00	9,750.00
Tie Ins	4	EA	1,500.00	6,000.00
6" HDPE Watermain	1,350	LF	46.75	63,112.50
Fittings	1	LS	7,975.00	7,975.00
6" Gate Valves	5	EA	1,500.00	7,500.00
Relocate Fire Hydrant	1	LS	1,950.00	1,950.00
Testing	1	LS	1,950.00	1,950.00
As Builts	1	LS	2,500.00	2,500.00
Final Dress	1	LS	2,750.00	2,750.00
Water Services	9	EA	1,150.00	10,350.00
Grout and Abandon Existing 6" Watermain	1	LS	5,900.00	5,900.00

Total $141,913.73

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-42) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2019110
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	6/10/2019
Project Name:	Little Wekiva WTP Generator			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	252114	**LITTLE WEKIVA**		
Project Owner:	Patrick Flynn		**BU Type:**	WP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy
Start Date:	7/1/2019	Q3 2019	**Region:**	Florida 4
Estimated End Date:	6/30/2020	Q2 2020	**State:**	FL
Primarily Like-For-Like Asset Replacment?	No			
Will project replace/retire any assets:	No			

	Engineering	Construction	Total
Previously Requested:			0
This Request:	**7,600**	**86,837**	**94,437**
Still to be Requested:			0
Total Project Budget:	**7,600**	**86,837**	**94,437**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Engineering design, permitting and construction to install a 40 kW generator and ATS. CEI services are included.

Timeline Considerations:

This project is a component of the Utility's 2019 Cap Plan. Need to have the project complete in preparation for next year's hurricane season.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Little Wekiva system has a stand alone WTP meaning that the system is not interconnected with any other water supply source. This is a small public water system with 61 connections. Historically when a commercial power outage occured, staff would be notified of a power fail/low pressure alarm through a third party vendor, arrive on site and evaluate the situation. If auxiliary power was needed, staff would travel to the nearest location to obtain a generator and return to the site to re-energize the plant. In practically every instance, the system pressure would fall below the FDEP minimum required 20 PSI creating the need to distribute PBWAs via door hanger, take bacteriological samples and report the outage to FDEP. As an interim step, the Utility has placed a portable 150kW generator on site and removed the need to mobilize a generator. However, the transfer of power still requires an on site visit to manually start the portable generator and transfer the load. The new properly sized generator and automatic transfer switch is adequately sized to start and run the treatment plant thus providing a reliable alternate power source that will curtail the issuance of a PBWA under the aforementioned circumstances. The new generator will be outfitted with a weatherproof, sound attenuated enclosue and a 250-gallon sub base diesel fuel tank capable of 72 hours of continuous run time under load.

Risk Evaluation

Falling below the FDEP required minimun 20 PSI in the distribution system creates the need to issue a PBWA to all connections. As this occurs more frequently, the level of service will erode and affect the customers' confidence in the Utility's ability to provide reliable service.

Alternatives Considered:

Keep the portable 150kW generator on site and add a new automatic transfer switch. While possible, the 150kW unit is much larger than what is practical to operate the facility and instead is to be used to power one of the Utility's larger lift stations with 47HP submersible pumps.

Negotiate an interconnect agreement with a nearby municipality - Water Management District Consumptive Use Permitting in the Central Florida area has become more challenging in the form of strict capacity allocations making any available capacity very valuable to the permittee. Utilities are retaining any excess capacity for their own future growth.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
38446	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	09/15/2019	67.77	
38447	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	09/30/2019	45.18	
33419	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	10/31/2019	45.18	
49339	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	01/28/2020	90.36	
49340	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	01/31/2020	45.18	
49341	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	01/31/2020	45.18	
49342	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	01/31/2020	45.18	
50699	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	45.18	
50697	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	67.77	
50645	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	90.36	
50642	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	45.18	
50643	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	67.77	
50644	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	135.54	
50698	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	90.36	
50700	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	67.77	
50701	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/11/2020	45.18	
50646	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	02/25/2020	180.72	
52383	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	03/10/2020	90.36	
52543	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	03/24/2020	90.36	
53260	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	03/24/2020	90.36	
53282	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	03/31/2020	45.18	
54258	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	04/21/2020	90.36	
54259	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	04/21/2020	90.36	
65305	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	05/19/2020	90.36	
65268	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	05/19/2020	46.24	
64335	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330185 Little Wekiva	05/31/2020	92.48	
103903	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/01/2020		
103900	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/02/2020		
103852	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/04/2020		
116650	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/15/2020		
116600	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/23/2020		
116594	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/25/2020		
165124	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	06/30/2020		
165358	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	07/06/2020		
165122	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	07/07/2020		
173607	Florida-LITTLE WEKIVA WTP GENERATOR	Captime	Captime	2410-330010 State of FL Cost Center	07/23/2020		2,615.92
30492	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	07/31/2019	4,140.00	
30493	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	07/31/2019	460.00	
33548	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	10/07/2019	900.00	
47264	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	12/12/2019	900.00	
50696	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	02/24/2020	63,500.00	
50695	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	02/29/2020	960.00	
65729	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	05/01/2020	900.00	
65295	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	05/18/2020	23,337.00	
65441	Florida-LITTLE WEKIVA WTP GENERATOR	Equipment	Equipment	2410-330185 Little Wekiva	05/20/2020	300.00	95,397.00
30494	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	07/31/2019	34.62	
35645	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	08/31/2019	34.62	
38445	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	09/30/2019	35.46	
43026	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	10/31/2019	42.58	
47263	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	12/31/2019	49.35	
49338	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	01/31/2020	50.03	
50694	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	02/29/2020	535.18	
53299	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	03/31/2020	544.44	
54986	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	04/30/2020	546.14	
63933	Florida-LITTLE WEKIVA WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330185 Little Wekiva	05/31/2020	732.51	2,604.93
							100,617.85

Utilities Inc.
Bid Responses
May 24, 2019

Little Wekiva WTP Generator & ATS		
Contractor	**Proposed Fee**	**Time Bid Received**
Thompson Electric	$89,000 ($95,951 with access stairs/platform)	10:54 AM
North Lake Electric, Inc.	$86,837.00	10:51 AM

NOTICE TO PROCEED FORM

TO: **North Lake Electric**
300-1 Richey Road
Leesburg, FL 34748

DATE: July 16, 2019

PROJECT: **Little Wekiva WTP Generator**

You are hereby notified to commence WORK in accordance with the Agreement dated July 16, 2019. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 168 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is December 31, 2019. The date of Final completion is January 30, 2020.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre – Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by **North Lake Electric** this 18th day of July, 2019.

By

Ryan Strong VP
Printed Name and Title

END OF SECTION

SPECLIB052803

NOTICE OF AWARD FORM

TO: North Lake Electric, Inc.

NAME OF PROJECT: Little Wekiva WTP Generator

The OWNER has considered the BID submitted by you, dated May 24, 2019 for the above described WORK in response to the Invitation for Bids and Information for Bidders.

You are hereby notified that your BID has been accepted for BID items in the amount of **Eighty-six thousand, eight hundred thirty seven dollars and zero cents ($86,837.00).**

You are required by the Instructions to Bidder to execute the Agreement and furnish the required CONTRACTOR's certificates of insurance within fourteen (14) calendar days from the date of this Notice to you. If you fail to execute said Agreement and to furnish said insurance within fourteen (14) calendar days from receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 16th day of July, 2019.

OWNER: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre – Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE OF AWARD is hereby acknowledged by **North Lake Electric** this 18th day of July, 2019.

By

Ryan Strong Vice President
Printed Name and Title

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-43) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2019111
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	6/18/2019
Project Name:	Park Ridge WTP Generator			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	252115	**PARK RIDGE W**		
Project Owner:	Patrick Flynn		**BU Type:**	WP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	John Hoy
Start Date:	7/15/2019	Q3 2019	**Region:**	Florida 4
Estimated End Date:	11/30/2019	Q4 2019	**State:**	FL
Primarily Like-For-Like Asset Replacment?	No			
Will project replace/retire any assets:	No			

	Engineering	Construction	Total
Previously Requested:			0
This Request:		**99,137**	**99,137**
Still to be Requested:			0
Total Project Budget:	**0**	**99,137**	**99,137**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Engineering design, permitting and construction to install a 60 kW generator and ATS. CEI services are included.

Timeline Considerations:

This project is a component of the Utility's 2019 Cap Plan. Need to have the project complete in preparation for next year's hurricane season.

Inter-dependant Project	Project Number:	NA	Project Name	NA	(If applicable)
Have engineering evaluations been performed?		Yes	Engineering project number	NA	(If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

The Park Ridge system has a stand alone WTP meaning that the system is not interconnected with any other water supply source. This is a small public water system with 104 connections. When a commercial power outage occurs, staff is notified of a power fail/low pressure alarm through the SCADA system, arrive on site and evaluate the situation. If auxiliary power is needed, staff will travel to the nearest location to obtain a generator and return to the site to re-energize the plant. In practically every instance, the system pressure would fall below the FDEP minimum required 20 PSI creating the need to distribute PBWAs via door hanger, take bacteriological samples and report the outage to FDEP. The new properly sized generator and automatic transfer switch is adequately sized to start and run the treatment plant thus providing a reliable alternate power source that will curtail the issuance of a PBWA under the aforementioned circumstances. The new generator will be outfitted with a weatherproof, sound attenuated enclosue and a 400-gallon sub base diesel fuel tank capable of 72 hours of continuous run time under load.

Risk Evaluation

Falling below the FDEP required minimun 20 PSI in the distribution system creates the need to issue a PBWA to all connections. As this occurs more frequently, the level of service will erode and affect the customers' confidence in the Utility's ability to provide reliable service.

Alternatives Considered:

Negotiate an interconnect agreement with a nearby municipality - Water Management District Consumptive Use Permitting in the Central Florida area has become more challenging in the form of strict capacity allocations making any available capacity very valuable to the permittee. Utilities are retaining any excess capacity for their own future growth.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
30497	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	07/31/2019	67.77	
49380	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	01/28/2020	90.36	
50021	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	90.36	
50022	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	45.18	
50019	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	2.00	
50020	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	67.77	
50023	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	67.77	
50024	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	45.18	
50025	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	45.18	
50026	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/11/2020	67.77	
50017	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	02/29/2020	-2.00	
52382	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	03/10/2020	90.36	
52542	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	03/24/2020	90.36	
53261	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	03/24/2020	90.36	
52784	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	03/31/2020	45.18	
54682	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	04/07/2020	225.90	
54683	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	04/07/2020	90.36	
54684	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	04/07/2020	225.90	
54511	Florida-PARK RIDGE WTP GENERATOR	Captime	Captime	2410-330190 Park Ridge W	04/15/2020	45.18	1,490.94
30495	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	07/31/2019	4,140.00	
46139	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	11/07/2019	1,360.00	
47122	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	12/12/2019	900.00	
50018	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	02/24/2020	65,200.00	
54881	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	04/14/2020	26,337.00	
65730	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	05/01/2020	900.00	
65442	Florida-PARK RIDGE WTP GENERATOR	Equipment	Equipment	2410-330190 Park Ridge W	05/20/2020	300.00	99,137.00
30496	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	07/31/2019	31.66	
35646	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	08/31/2019	31.66	
38448	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	09/30/2019	31.66	
43027	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	10/31/2019	31.66	
96126	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	11/30/2019	-41.90	
94270	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	11/30/2019	41.90	
45623	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	11/30/2019	41.90	
47265	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	12/31/2019	48.67	
49379	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	01/31/2020	49.35	
50647	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	02/29/2020	543.22	
53300	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	03/31/2020	545.59	
54987	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	04/30/2020	748.20	
63934	Florida-PARK RIDGE WTP GENERATOR	Interest During Construction	Interest During Construction	2410-330190 Park Ridge W	05/31/2020	757.23	2,860.80
							103,488.74

Utilities Inc.
Bid Responses
May 24, 2019

Park Ridge WTP Generator & ATS		
Contractor	**Proposed Fee**	**Time Bid Received**
Thompson Electric	$79,615 ($86,566 with access stairs/platform)	10:54 AM
North Lake Electric, Inc.	$91,537.00	10:51 AM

NOTICE TO PROCEED FORM

TO: **North Lake Electric**
300-1 Richey Road
Leesburg, FL 34748

DATE: July 16, 2019

PROJECT: **Park Ridge WTP Generator**

You are hereby notified to commence WORK in accordance with the Agreement dated July 16, 2019. This Notice authorizes the CONTRACTOR to commence construction, and, in accordance with the Agreement, all work shall be substantially complete within 168 calendar days of the date of this Notice to Proceed. Therefore, the date of substantial completion is December 31, 2019. The date of Final completion is January 30, 2020.

ISSUED BY: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre – Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE TO PROCEED is hereby acknowledged by **North Lake Electric** this 18th day of July, 2019.

By

Ryan Strong Vice President
Printed Name and Title

END OF SECTION

NOTICE OF AWARD FORM

TO: **North Lake Electric, Inc.**

NAME OF PROJECT: **Park Ridge WTP Generator**

The OWNER has considered the BID submitted by you, dated May 24, 2019 for the above described WORK in response to the Invitation for Bids and Information for Bidders.

You are hereby notified that your BID has been accepted for BID items in the amount of **Ninety-one thousand, five hundred thirty seven dollars and zero cents ($91,537.00)**.

You are required by the Instructions to Bidder to execute the Agreement and furnish the required CONTRACTOR's certificates of insurance within fourteen (14) calendar days from the date of this Notice to you. If you fail to execute said Agreement and to furnish said insurance within fourteen (14) calendar days from receipt of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER's acceptance of your BID as abandoned. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this 16th day of July, 2019.

OWNER: Utilities Inc. of Florida
(Name of OWNER)

Bryan K. Gongre
By (Signature)

Bryan K. Gongre – Regional Manager
(Printed Name and Title)

ACCEPTANCE OF NOTICE

Receipt and acceptance of the above NOTICE OF AWARD is hereby acknowledged by **North Lake Electric** this 18th day of July, 2019.

By

Ryan Strong Vice President
Printed Name and Title

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-44) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project	**Assigned Project #**	2020135
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*	**Date:**	5/15/2020
Project Name:	Ravenna Park II Deficiency Corrections		
Company:	252 UTILITIES, INC. OF FLORIDA		
Business Unit:	252119 **RAVENNA PARK S**		
		BU Type:	SP
Project Owner:	Patrick C. Flynn		
		Budget Owner / RP:	Gary Rudkin
Project Manager:	Bryan K. Gongre		
		Region:	Florida 4
Start Date:	6/1/2020 Q2 2020		
		State:	FL
Estimated End Date:	10/30/2020 Q4 2020		
Primarily Like-For-Like Asset Replacement?	Yes		
Will project replace/retire any assets:	Yes		

	Engineering	Construction	Total
Previously Requested:		839,318	839,318
This Request:		**13,992**	**13,992**
Still to be Requested:			0
Total Project Budget:	**0**	**853,310**	**853,310**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☑ EH&S Compliance
- ☐ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

1. CIPP lining of 6,442LF of 8" VCP GSM pipe
2. Install 12LF of sectional CIPP liners
3. Reinstate 87 - 6" service laterals
4. Remove roots and treat within 385LF of GSM
5. Excavate, repair and restore sections of GSM in 5 locations within the collection basin

Change Order #01 -
Traverse Group - 1.) Install (2) 8" clean out cannons - One at reference MH 4 onTangelo Drive and another at reference MH 14 on Harding Avenue.
Traverse Group - 2.) Replace 10 LF of 6" PVC at invert to MH 17 on Temple Drive and Repair two laterals, one at 75' from MH 17 and the other at 231' from MH 17.
Traverse Group - 3.) Excavate and repair pipe break at 121' from MH C-4 on Tammy Drive.

Change Order #02 -
Traverse Group - Replace collapsed sewer lateral wye and two services at 409-411 Tangelo Drive.

Timeline Considerations:

This project is a proforma included in the Utility's 2020 rate filing that must be completed by December 31, 2021.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? No Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

A majority of the Ravenna Park/Lincoln Heights gravity collection system was constructed in the 1970's or earlier and consists of vetrified clay pipe (VCP). The WW flows are received and treated by the City of Sanford through a metered connection under the terms of a wholesale sewer agreement. As a result of collection system deficiencies and high groundwater tables, the amount of metered wastewater delivered to the City significantly exceeds the standard loading rate of 280 gallons per connection. The excess flow and the need to maintain service to the customers are the drivers for the evaluation of the collection system to determine where excess inflow/infiltration exists and to complete improvements to those deficiencies. Making these improvements will reduce operating expense and extend the service life of the collection system by restoring the integrity of the gravity main. The benefit in the reduction of operating expense is not calculable at this time as the quantity of infiltration is not readily measurable and is based upon seasonal groundwater tables that vary according to weather patterns.

Change Order #1 - The additional work performed by Traverse Group between MH 17 to MH 18 on Temple Drive allowed for the segment to be lined as planned with a standard 8" liner and we were also able to address infiltration at one hammer tap and repair a second lateral that was offset by 50% with soil visible. The (2) clean out cannons were necessary to allow for full length liners to be installed in two separate MH to MH segments. The pipe repairs at 121' from MH C-4 on Tammy Drive are necessary to allow for lining of that segment. This pipe failure had become more siginificant in size since first being televised.

Change Order #2 - Clay sewer service laterals at the wye had to be reapired/replaced. Area was dewatered, excavated to make repairs and restored thereafter.

Risk Evaluation

This project will repair damaged gravity sewer mains that if not addressed, would conitnue to be sources of significant I&I that elevate wholesale costs risking the recovery of these expenses. As well, the majority of the collection system is located under paved areas where a catastrophic failure of a gravity main could lead to the collapse of a paved roadway potentially leading to significant damage associated with such an event.

Alternatives Considered:

Recovery of this investment is timely not only from a rate making perspective but also due to the condition of the aging infrastructure and the need to address the many failures throughout the collection system thereby reducing O&M and extending the life of the assets. The longer these conditions exist the worse they will become eventually leading to collapse and complete failure. There are two components to this project. CIPP lining/root removal and excavate/repair activity. The lining and excavation were bid out separately. Three vendors bid the lining/rehab portion and three vendors bid the excavation/replacement work. This was necessary as most lining/rehab companies do not perfom excavation services and those that do would skew the lining costs provided by the vendors that do not perform excavation services. The manhole segments were evaluated by degree of severity using a scale of high to low priority. A high priority was given those segments with visual signs of infiltration, multiple fractures, voids, etc. A lesser ranking of low was given to segments with multiple hair line cracks and no obvious signs of infiltration staining. To take advantage of economies of scale all segments that either ranked high, medium or low were included under this project. Also, although not yet evaluated, is the possibility of a cost reduction by lining an entire segment as oppposed to the cost to install a short liner. Short liner costs are significantly higher as compared to LF cost to line an entire segment. This will be fleshed out prior to going to contract with the selected vendor.

Technical Review Summary:

Project was presented to and approved by the CPRT on 6/11/20 without the need for revisions.

Transaction Number	Errors Exist	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Detail Data
210693		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	07/31/2020		
210685		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/07/2020		
236837		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/10/2020		
237578		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/11/2020		
237628		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/17/2020		
238740		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/20/2020		
237629		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/20/2020		
287060		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/24/2020		
287008		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/25/2020		
287002		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	08/31/2020		
287011		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/03/2020		
310268		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/08/2020		
309278		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/09/2020		
313183		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
310219		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/10/2020		
313179		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
310216		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/14/2020		
309276		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/15/2020		
310271		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/16/2020		
313175		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/18/2020		
310213		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/18/2020		
345985		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/21/2020		
347468		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/21/2020		
347512		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/22/2020		
347460		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/23/2020		
345937		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
347567		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	09/28/2020		
347514		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/02/2020		
365226		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/05/2020		
365222		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/06/2020		
365264		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/07/2020		
365217		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/08/2020		
380117		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/19/2020		
379310		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/21/2020		
376433		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
381654		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
376432		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/26/2020		
380070		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/27/2020		
380124		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	10/28/2020		
422599		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	11/03/2020		
425107		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		
474002		Florida-RAVENNA PARK II DEFICIENCY CORR	Captime	Captime	2410-330010 State of FL Cost Center	11/20/2020		4,857.00
314629		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	10/01/2020	97,081.76	
390051		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	10/29/2020	486,521.55	
371008		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	10/31/2020	2,641.00	
371006		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	10/31/2020	35,562.71	
371007		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	10/31/2020	4,035.00	
450025		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	11/25/2020	30,636.90	
450026		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	11/25/2020	110,365.75	
488141		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	11/30/2020	5,825.54	
492011		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	11/30/2020	4,799.38	
231034		Florida-RAVENNA PARK II DEFICIENCY CORR	Construction	Construction	2410-330210 Ravenna Park S	12/31/2020	7,312.90	784,782.49
488102		Florida-RAVENNA PARK II DEFICIENCY CORR	IDC	IDC	2410-330210 Ravenna Park S	11/30/2020	36.55	
492014		Florida-RAVENNA PARK II DEFICIENCY CORR	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	59.38	
492012		Florida-RAVENNA PARK II DEFICIENCY CORR	IDC	IDC	2410-330010 State of FL Cost Center	11/30/2020	72.60	168.53
								789,808.02

SECTION 00950
CHANGE ORDER FORM

Change Order No.	3
Project Title	Ravenna Park I&I Deficiency Corrections
Bid No.	
Owner:	Utilities Inc. of Florida
Contractor:	Traverse Group, Inc
Agreement Date:	7/20/2020

This Change Order is necessary to cover changes in the work to be performed under this Agreement. The GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, and STANDARD SPECIFICATIONS apply to and govern all work under this Change Order.

THE FOLLOWING CHANGES ARE MADE TO THE CONTRACT DOCUMENTS:

(1)	Original Contract Price	$ 409,137.30
(2)	Current Contract Price (Adjusted by Previous Change Orders)	$ 596,877.30
(3)	Total Proposed Change in Contract Price	$ 13,991.30
(4)	New Contract Price (Item 2 + Item 3)	$ 610,878.60
(5)	Original Contract Time	160 Days
(6)	Current Contract Time (Adjusted by Previous Change Orders)	160 Days
(7)	Total Proposed Change in Contract Time	0 Days
(8)	New Contract Time (Item 6 + Item 7)	160 Days
(9)	Original Contract Substantial Completion Date	12/27/2020
(10)	New Contract Substantial Completion Date	12/27/2020

CHANGES ORDERED

ITEM 1

Description of Change: 409-411 Tangelo Drive

Reason for Change: Sewer Service Repair

Change in Contract Price: $13,991.30

Change in Contract Time: NA

ITEM 2

Description of Change:

Reason for Change:

Change in Contract Price:

Change in Contract Time:

ITEM 3

Description of Change:

Reason for Change:

Change in Contract Price:

Change in Contract Time:

ITEM 4

Description of Change:

Reason for Change:

Change in Contract Price:

Change in Contract Time:

Utilities Inc. of Florida
Ravenna Park I&I Deficiency Corrections ***00950-3***

ITEM 5

Description of Change:

Reason for Change:

Change in Contract Price:

Change in Contract Time:

CHANGE ORDER SUMMARY			
No.	**Description**	**Change in Contract Price**	**Change in Contract Time**
1	409-41 Tangelo Drive	$13,991.30	NA
2			NA
3			NA
4		0	NA
5			
TOTAL		**$** 13,991.30	0 **Days**

WAIVER This Change Order constitutes full and mutual accord and satisfaction for the adjustment of the Contract Price and Contract Time as a result of increases or decreases in cost and time of performance caused directly and indirectly from the change. Acceptance of this Waiver constitutes an agreement between OWNER and CONTRACTOR that the Change Order represents an equitable adjustment to the Agreement and that CONTRACTOR shall waive all rights to file a Contract Claim or claim of any nature on this Change Order. Execution of this Change Order shall constitute CONTRACTOR's complete acceptance and satisfaction that it is entitled to no more costs or time (direct, indirect, impact, etc.) pursuant to this Change Order.

APPROVAL AND CHANGE ORDER AUTHORIZATION

ACKNOWLEDGMENTS

The aforementioned change, and work affected thereby, is subject to all provisions of the original Agreement and specifically changed by this Change Order; and

Utilities Inc. of Florida
Ravenna Park I&I Deficiency Corrections ***00950-4***

It is expressly understood and agreed that the approval of the Change Order shall have no effect on the original Agreement other than matters expressly provided herein.

ATTEST:	Traverse Group, Inc. Contractor
(Secretary)	Alicia Roehn - Corporate Secretary Printed Name and Title of Officer
Date	By (Signature)
(Corporate Seal)	11/19/2020 Date
ATTEST:	Utilities Inc. of Florida Owner
(Signature)	Bryan K. Gongre, Regional Manager Printed Name and Title
Date	Bryan K. Gongre By (Signature)
(Seal)	11/19/2020 Date

END OF SECTION

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-45) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

BUSINESS CASE FORM

New Project or Budget Change?	New Project		**Assigned Project #**	2020103
Requested by:	Bryan K. Gongre *Project Manager / Area Manager*		**Date:**	4/15/2020
Project Name:	Northwestern Bridge Water Main Relocation			
Company:	252	UTILITIES, INC. OF FLORIDA		
Business Unit:	252110	**WEATHERSFIELD W**		
Project Owner:	Patrick C. Flynn		**BU Type:**	WP
Project Manager:	Bryan K. Gongre		**Budget Owner / RP:**	Gary Rudkin
Start Date:	8/1/2020	Q3 2020	**Region:**	Florida 4
Estimated End Date:	8/30/2021	Q3 2021	**State:**	FL
Primarily Like-For-Like Asset Replacement?	Yes			
Will project replace/retire any assets:	Yes			

	Engineering	Construction	Total
Previously Requested:	7,100		7,100
This Request:	**6,000**	**127,101**	**133,101**
Still to be Requested:			0
Total Project Budget:	**13,100**	**127,101**	**140,201**

Project Type: *(check all that apply)*

- ☐ Growth
- ☐ Maintenance
- ☐ Replacement
- ☐ Upgrade
- ☐ Cost Reduction
- ☐ EH&S Compliance
- ☑ Other
- ☐ Developer Agreement
- ☐ Divestment
- ☐ Acquisition
- ☐ Rate Case
- ☐ Deferred Maintenance

Description:

Design and permit an interconnect assembly.

Remove approximately 100LF of existing 8" DIP water main from the Northwestern Avenue bridge and temporarily restrain/cap opposite ends of existing pipes until bridge work is complete, then install new 8" DIP water main across the bridge and connect to the system.

Change Order #1 -
Design and permit a temporary water main crossing the Wekiva River.

Construct an 8" temporary HDPE potable water main across the Wekiva River to provide interim service to customers south of the Northwestern Avenue bridge.

Timeline Considerations:

Project is a pro forma in the 2020 rate case.

Inter-dependent Project Project Number: NA Project Name NA (If applicable)

Have engineering evaluations been performed? Yes Engineering project number NA (If applicable)

JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

Seminole County has developed plans to replace the existing Northwestern Avenue bridge in the Weathersfield service area. The Utility has an 8" DIP water main that crosses the bridge and supplies water to approximately 30% of the Weathersfield service area. There is no alternate water supply to these customers and the system is not looped. In order for the bridge construction to take place the Utility must secure an alternate water source to supply the customers while the existing 8" water main is removed from the bridge. The Utility has been working with a neighboring utility, Altamonte Springs, that has a water main nearby that can be used to provide service through an interconnect assembly. A draft agreement has been sent to the City for review.

Change Order #1 -
The Couny has decided to begin construction of the bridge replacement effective January 2021 and the Utility must be disconnected from the bridge by January 22nd, 2020. This schedule will not provide enough time to secure an interconnect agreement with the City of Altamone Springs who have not responded to repeated requests to authorize an interconnection. Therefore an alternative method to provide temporary water service to the customer base has been developed. This entails installing 150 LF of temporary 8" HDPE water main that will be supported by a steel I-beam spanning the Wekiva River. This change order includes the design, permitting and construction of the temporary bypass as well as the installation of the permanent 8" DIP line attached to the new bridge.

Risk Evaluation

The interconnect will allow for the provision of potable service to the existing customers without interruption of service.

Alternatives Considered:

Looping the sytem was considered but there were no feasible routes.

Considered installing a water main under the river but there were considerable constructability issues. There was insufficient room to directionally drill approximately 20 feet below road surface due to conflicts with buildings and rights-of-way limits.

Technical Review Summary:

Transaction Number	Project Name	Task Name	Expenditure Type	Expenditure Organization	Expenditure Item Date	Burdened Cost in Provider Ledger Currency	Subtotal
214284	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	07/29/2020		
376434	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	10/22/2020		
425106	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		
420520	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	11/09/2020		
420516	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	11/10/2020		
420467	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	11/12/2020		
474043	Florida-NORTHWESTERN BRIDGE WATER MAIN	Captime	Captime	2410-330010 State of FL Cost Center	11/20/2020		487.50
63720	Florida-NORTHWESTERN BRIDGE WATER MAIN	Engineering	Engineering	2410-330165 Weathersfield W	05/31/2020	2,119.50	
63721	Florida-NORTHWESTERN BRIDGE WATER MAIN	Engineering	Engineering	2410-330165 Weathersfield W	05/31/2020	2,119.50	
63722	Florida-NORTHWESTERN BRIDGE WATER MAIN	Engineering	Engineering	2410-330165 Weathersfield W	05/31/2020	1,059.75	
63723	Florida-NORTHWESTERN BRIDGE WATER MAIN	Engineering	Engineering	2410-330165 Weathersfield W	05/31/2020	706.50	6,005.25
64488	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	05/31/2020	45.19	
152002	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	06/30/2020	45.19	
195152	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	07/31/2020	45.19	
258087	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	08/31/2020	0.79	
258115	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	08/31/2020	45.19	
357046	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	09/30/2020	0.79	
357031	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	09/30/2020	45.19	
391115	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	10/31/2020	1.31	
391113	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	10/31/2020	45.19	
488103	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	11/30/2020	3.67	
488124	Florida-NORTHWESTERN BRIDGE WATER MAIN	Interest During Construction	Interest During Construction	2410-330165 Weathersfield W	11/30/2020	45.19	322.89
							6,815.64

TRAVERSE GROUP, INC.

CLERMONT, FL 34712

Estimate

Date	Estimate #
11/11/2020	2020UI69A

Name / Address
Utilities Inc. of Florida 500 W. Monroe, Ste 3600 Chicago, IL 60661

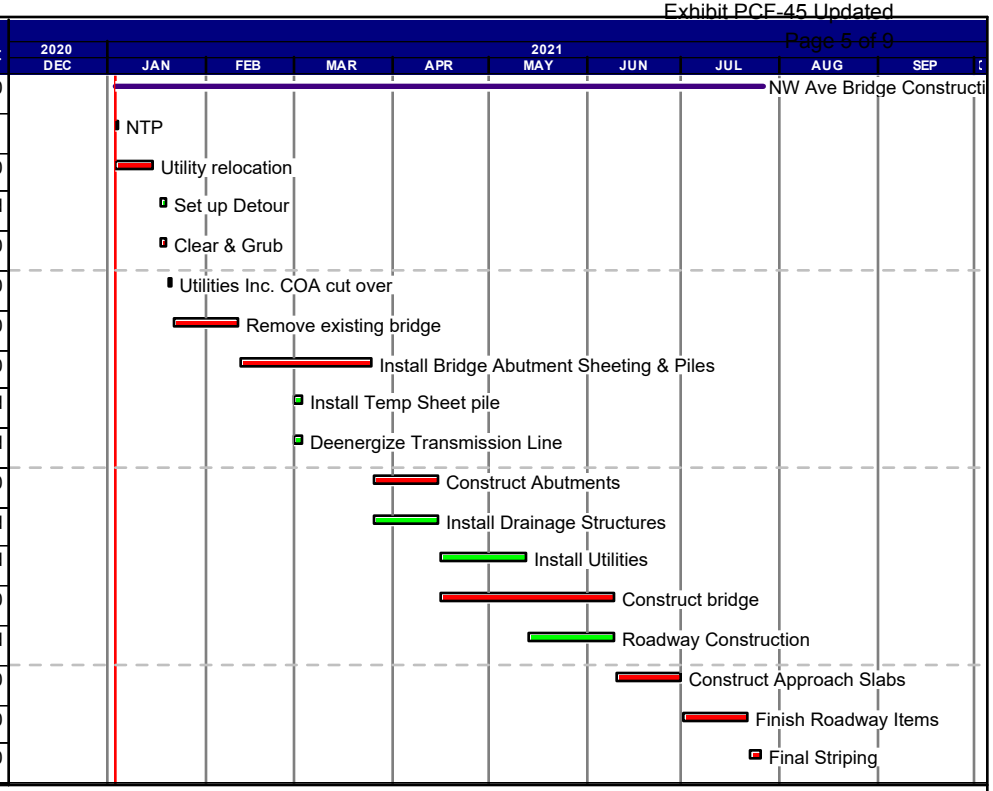
Project
WEATHERSFIELD-ALTAMON...

Description	Qty	Units	Rate	Total
NORTHWESTERN BRIDGE BYPASS				
Mobilization	1	LS	9,500.00	9,500.00
MOT	1	LS	3,500.00	3,500.00
8" DIP Directional Bore	90	LF	85.00	7,650.00
8" HDPE Watermain	120	LF	50.00	6,000.00
12" H Pile Temp Pipe Bridge	1	LS	3,950.00	3,950.00
8x8 Wet Tap	2	EA	6,500.00	13,000.00
8x8 Insert Valve	2	EA	10,950.00	21,900.00
Fittings	1	LS	3,500.00	3,500.00
Open Cut Roadway	2	EA	5,500.00	11,000.00
8" Caps	2	EA	250.00	500.00
Testing	1	LS	1,500.00	1,500.00
Jumper	1	LS	2,500.00	2,500.00
Permitting	1	LS	1,500.00	1,500.00
As Builts	1	LS	4,000.00	4,000.00
SUBTOTAL: $90,000				
NORTHWESTERN BRIDGE RECONNECTION				
Mobilization	1	LS	6,600.00	6,600.00
MOT	1	LS	4,500.70	4,500.70
8" AC to DIP Coupling	2	EA	950.00	1,900.00
8" DIP	120	LF	70.00	8,400.00
8" 45 Bend	4	EA	300.00	1,200.00
Testing	1	LS	1,500.00	1,500.00
Jumper	1	LS	1,500.00	1,500.00
Road Repair (Overlay by Others)	2	EA	3,500.00	7,000.00
Misc Connectors and Fittings	1	LS	4,500.00	4,500.00
SUBTOTAL: $37,100				

Bryan K. Gongre UIF Regional Manager 11/11/2020

Total $127,100.70

Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	Total Float
900	NW Ave Bridge Construction	146 *	146	04JAN21	26JUL21	0
1000	NTP	1	0	04JAN21	04JAN21	
1005	Utility relocation	10	10	04JAN21	15JAN21	0
1010	Set up Detour	2	2	18JAN21	19JAN21	134d
1015	Clear & Grub	2	2	18JAN21	19JAN21	0
1020	Utilities Inc. COA cut over	2	2	20JAN21	21JAN21	0
1025	Remove existing bridge	15	15	22JAN21	11FEB21	0
1065	Install Bridge Abutment Sheeting & Piles	30	30	12FEB21	25MAR21	0
1045	Install Temp Sheet pile	3	3	01MAR21	03MAR21	103d
1055	Deenergize Transmission Line	3	3	01MAR21	03MAR21	103d
1075	Construct Abutments	15	15	26MAR21	15APR21	0
1085	Install Drainage Structures	15	15	26MAR21	15APR21	72d
1095	Install Utilities	20	20	16APR21	13MAY21	32d
1115	Construct bridge	40	40	16APR21	10JUN21	0
1105	Roadway Construction	20	20	14MAY21	10JUN21	32d
1125	Construct Approach Slabs	15	15	11JUN21	01JUL21	0
1135	Finish Roadway Items	15	15	02JUL21	22JUL21	0
1145	Final Striping	2	2	23JUL21	26JUL21	0



Start date	04JAN21
Finish date	26JUL21
Data date	04JAN21
Run date	13APR20
Page number	1A

© Primavera Systems, Inc.

CONSOR
Northwestern Ave. Bridge Replacement

Early bar
Target bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone poi

Kimley»Horn

February 12, 2018

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

Re: Weathersfield – Altamonte Interconnect
Weathersfield Service Area

Dear Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the water main interconnect with the City of Altamonte Springs.

Project Understanding

An interconnect between Utilities Inc. and the City of Altamonte Springs is necessary due to the replacement of the bridge on Northwestern Avenue, which will temporarily disconnect the southern portion of the water system from service. The interconnect will be temporary and is preliminarily planned to be constructed at the intersection of Northwestern Avenue and Oaklando Drive.

Scope of Services

Kimley-Horn will provide a design of the proposed temporary water main interconnection in accordance with the City of Altamonte Springs standard details. Design drawings will be prepared for private bidding to Utilities Inc. of Florida preselected contractors. A design sketch will be prepared to obtain an FDEP permit. Construction services will be provided on an 'as-needed' basis for coordination and to provide construction completion certification.

Services Not Included

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

- Surveying
- Geotechnical
- Environmental

Schedule

We will provide our services as expeditiously as practicable with the goal of completing the design within 30 days and proceeding to permitting and construction coordination.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $7,065. The FDEP permit fee is included in the scope but all other permitting, application, and similar project fees will be paid directly by the Client.

Kimley»Horn

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.

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

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

Steve Romano, PE
Associate

Jon Martin, PE
Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bryan L. Gay

Date: 2/14/2018

Kimley»Horn

November 20, 2020

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

Re: Northwestern Bridge amendment
Weathersfield Service Area

Bryan:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement (the "Agreement") to Utilities Inc., of Florida ("Client") for providing services related to the water main replacement associated with the County's work on the Northwestern Avenue bridge.

Project Understanding

An interconnect between Utilities Inc. and the City of Altamonte Springs was thought to be necessary due to the replacement of the bridge on Northwestern Avenue, which will temporarily disconnect the southern portion of the water system from service. Negotiations with the City could never be finalized and a temporary pipe spanning the Little Wekiva River will be installed instead.

Scope of Services

Kimley-Horn will provide a design of the proposed temporary water main crossing of the Little Wekiva River. Design drawings will be prepared to obtain an FDEP permit. Kimley-Horn will coordinate with the Owner's contractor to facilitate construction and permitting with Seminole County. Construction services will be provided on an 'as-needed' basis for coordination and to provide construction completion certification.

Services Not Included

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

- Surveying
- Geotechnical
- Environmental

Schedule

We will provide our services as expeditiously as practicable with the goal of completing the design within 30 days and proceeding to permitting and construction coordination.

Fee and Expenses

Kimley-Horn will perform these services for the total lump sum fee of $6,000. The FDEP permit fee is included in the scope but all other permitting, application, and similar project fees will be paid directly by the Client.

Kimley»Horn

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.

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

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

Steve Romano, PE
Associate

Jay Jackson, PE
Principal/Sr. Vice President

ACCEPTED BY:
UTILITIES, INC. OF FLORIDA

Bryan D.

Date: 11/20/2020

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Charlotte, Highlands, Lake, Lee, Marion, Orange, Pasco, Pinellas, Polk, and Seminole Counties by Utilities, Inc. of Florida.	)	Docket No. 20200139-WS

EXHIBIT (PCF-47) ____Updated

OF

PATRICK C. FLYNN

on behalf of

Utilities, Inc. of Florida

Utilities, Inc. of Florida
Docket No. 2020139
Test Year Ended December 31, 2019
Exhibit PCF-47, Flynn Rebuttal Testimony

Proforma Project Roster

CP#	Project Name	System	Exhibit#	W, S or Both	Project Start	PIS Date (Closed)	Projected PIS Date	Projected IDC	Projected Captime	Projected Cost	Projected Total	IDC to Date	Captime to Date	Cost to Date	Total to Date	# of Bids	Primary Contractor
2020098	CL I&I Investigation	Cypress Lakes	1	S	5/1/2020	**12/31/2020**		28	-	51,000	51,028	-	-	42,500	42,500	1	Specialized Plumbing Tech.
2020129	ER LS 3 & 8 Remediation	Eagle Ridge	2	S	6/15/2020	**9/30/2020**		49	35	82,192	82,276	49	2,220	77,890	80,159	3	Innovative Contractors
2019024	ER/CC SCADA & RTUs	Eagle Ridge	3	S	3/1/2019	**8/31/2020**		16,966	1,591	210,602	229,159	16,966	1,801	210,601	229,369	3	Sanders Company
2019125	Eng ER Site Improvements	Eagle Ridge	4	S	10/1/2018	**7/1/2020**		10,485	1,880	151,118	163,483	10,485	2,669	151,129	164,284	2	Kimley-Horn & Assoc.
2019175	ER Site Improvements	Eagle Ridge	5	S	11/29/2019	**8/31/2020**		34,563	10,611	658,624	703,798	34,563	11,086	667,174	712,823	6	Wholesale Vinyl Fence
2020156	LB WWTP Master Plan	Labrador	6	S	8/1/2019		1/31/2021	-	-	44,736	44,736	-	-	44,736	44,736	1	Kimley-Horn & Assoc.
2019078	Longwood LS RTUs	Longwood	7	S	4/8/2019	**1/31/2020**		3,488	136	122,024	125,647	3,488	136	122,024	125,647	1	Sanders Company
2020028	Eng - Crescent Bay Raw WM	LUSI	8	W	2/3/2020		4/30/2021	3,742	1,500	70,000	75,242	3,204	452	65,000	68,656	1	Kimley-Horn & Assoc.
2020152	LUSI Crescent Bay Raw WM	LUSI	9	W	6/30/2020		4/30/2021	9,331	7,186	486,514	503,031	-	1,032	-	1,032	3	Tri-Sure Corp
2020029	LG Sulfuric Acid Equipment Replace	LUSI	10	W	2/3/2020	**4/1/2020**		6	787	54,303	55,096	415	787	54,303	55,504	1	Odyssey Manufacturing
None	LG Hydrochloric Acid Storage Tank	LUSI	11	W	2/22/2020	**3/31/2020**		-	-	29,992	29,992	-	-	29,992	29,992	2	Odyssey Manufacturing
None	LG RAS Pumps	LUSI	12	S	8/25/2020		12/31/2020	-	-	42,558	42,558	-	-	32,798	32,798	1	Danus Utilities
2020106	Barrington WWTP Improvements	LUSI	13	S	5/25/2020		5/31/2021	9,122	3,824	380,000	392,946	1,921		40,900	42,821	2	Danus Utilities
2019145	MC Master Lift Station	Mid-County	14	S	5/15/2020		3/31/2021	73,696	38,866	2,103,578	2,216,140	19,615	6,200	256,202	282,018	3	Kamminga & Roodvoets
2019154	MC LS 4 & LS 7 Generators	Mid-County	15	S	10/14/2019		12/31/2020	1,582	4,422	130,159	136,163	569	4,436	119,699	124,704	6	Paramount Power
2020127	MC Curlew Creek I&I Remediation	Mid-County	16	S	7/1/2020		1/31/2021	7,772	11,250	700,027	719,049	2,420	1,815	230,671	234,906	4	Insituform Technologies
2020080	MC Headworks	Mid-County	17	S	3/20/2020		11/30/2021	104,026	53,875	2,424,782	2,582,684	3,296	3,644	151,494	158,434	2	TLC Diversified
2020128	MC Eng LS 10 FM Relocation	Mid-County	18	S	7/1/2020		12/31/2021	1,281	420	55,750	57,451	859	105	31,640	32,604	1	Kimley-Horn & Assoc.
None	PB Diffuser Replacement	Pennbrooke	19	S	3/15/2020	**4/1/2020**		-	-	34,000	34,000	-	-	34,000	34,000	2	ECO-2000
2020091	SH SCADA RTUs	Sandalhaven	20	S	6/1/2020		3/31/2021	3,456	1,950	130,000	135,406	-	-	-	-	1	Barney's Pumps
None	SH I&I Investigation	Sandalhaven	21	S	1/30/2021		4/30/2021	862	1,755	56,500	59,117	-	-	-	-	2	Specialized Plumbing Tech.
2018109	Eng-Wekiva WWTP Improvements	Sanlando	22	S	8/6/2018	**10/1/2020**		36,604	4,989	278,820	320,412	36,604	4,989	278,820	320,412	2	Kimley-Horn & Assoc.
2019109	Wekiva WWTP improvements	Sanlando	22	S	7/8/2019		12/31/2020	317,136	86,172	6,205,827	6,609,136	269,831	55,886	5,028,790	5,354,507	2	Florida Env. Construction
2020182	Sanlando Wekiva Headworks	Sanlando	23	S	2/1/2020		9/30/2021	106,865	11,250	2,580,912	2,699,027	-	-	-	-	3	Florida Env. Construction
2020031	Sanlando Wekiva Headworks Eng	Sanlando	23	S	2/1/2020		9/30/2021	18,048	4,876	186,715	209,640	8,212	4,876	175,372	188,461	1	Kimley-Horn & Assoc.
2020111	Sanlando Well Panel Replace	Sanlando	24	W	5/29/2020		12/31/2020	1,725	2,312	74,500	78,537	1,725	2,312	74,500	78,537	1	North Lake Electric
2018098	SUC 16" FM & WM Replacement	Sanlando	25	W	8/1/2018		5/31/2021	68,815	13,381	1,791,990	1,874,187	14,903	6,174	793,706	814,783	3	Tri-Sure Corp
2018098	SUC 16" FM & WM Replacement	Sanlando	25	S	8/1/2018		5/31/2021	72,940	14,183	1,899,410	1,986,534	15,512	6,544	826,103	848,158	3	Tri-Sure Corp
2020113	SUC Eng F5/C1/L2 FM Replace	Sanlando	26	S	4/30/2020		12/31/2021	17,059	407	185,500	202,966	1,036	407	137,640	139,083	3	Kimley-Horn & Assoc.
2020107	Sanlando I&I Remediation Ph. 4	Sanlando	27	S	6/1/2020		3/31/2021	74,464	30,000	2,223,560	2,328,024	14,609	1,955	1,314,817	1,331,381	6	Atlantic Pipe Services
2020136	EE Williamson Utility Relocates	Sanlando	28	W	6/30/2020		12/31/2021	2,962	1,665	111,007	115,634	-	110	-	110	3	Central Florida Tapping
2020136	EE Williamson Utility Relocates	Sanlando	28	S	6/30/2020		12/31/2021	8,886	4,995	333,020	346,901	-	329	-	329	3	Central Florida Tapping
2020137	Sanlando LS Mechanical Rehabs	Sanlando	29	S	7/6/2020		12/30/2020	6,381	6,856	530,040	543,277	2,920	6,856	304,209	313,985	3	Central Florida Lift Stations
2019088	SUC CIP Analysis & FM Modeling	Sanlando	30	W	5/24/2019	**6/30/2020**		1,118	1,195	18,114	20,427	1,118	1,195	18,114	20,427	2	Kimley-Horn & Assoc.
2019088	SUC CIP Analysis & FM Modeling	Sanlando	30	S	5/24/2019	**6/30/2020**		4,035	4,271	65,386	73,692	4,035	4,271	65,386	73,692	2	Kimley-Horn & Assoc.
2020030	Sanlando GST deficiencies	Sanlando	31	W	2/24/2020		3/31/2021	8,744	4,259	181,000	194,003	4,758	1,342	77,496	83,596	2	Precon Corp.
2018116	TV I&I Redzone Inspection	Tierra Verde	32	S	8/31/2018		12/31/2020	4,394	13,512	201,654	219,560	5,886	11,428	173,612	190,926	3	Redzone
2019087	TV LS 4 FM & GSM Relocations	Tierra Verde	33	S	6/1/2019		2/28/2021	33,652	8,450	551,267	593,368	21,793	8,257	499,767	529,816	1	McKenzie Contracting
2019173	TV LS 4 Replacement	Tierra Verde	34	S	11/30/2019		9/30/2021	30,052	12,527	828,922	871,501	2,008	310	99,036	101,354	2	TLC Diversified
2020041	BV W2 Pump & W3 Hydro tank	Orangewood	35	W	1/1/2020		11/30/2020	2,535	475	77,223	80,233	1,951	475	72,246	74,671	2	EESI
2020004	OW W1 tank and generator	Orangewood	36	W	11/1/2019	**9/30/2020**		4,444	2,477	177,751	184,672	4,444	2,477	177,751	184,672	5	Green Well Drilling
2019076	UIF Seminole RTUs	UIF-Seminole Cty'	37	S	4/8/2019	**1/31/2020**		2,688	100	93,876	96,664	2,688	100	93,876	96,664	1	Sanders Company
2019174	ST Chlorine Dioxide Pilot Study	Summertree	38	W	1/31/2020		3/31/2021	4,625	1,411	92,000	98,036	2,002	1,411	75,713	79,127	2	Kimley-Horn & Assoc.
2020190	Summertree I&I Investigation Pointe West	Summertree	39	S	7/1/2020		3/31/2021	6,248	7,500	364,479	378,227	207	-	202	409	3	Insituform Technologies
2020112	Golden Hills GIP Replacement	Golden Hills	40	W	4/20/2020		11/30/2020	451	4,393	75,160	80,004	451	4,393	75,160	80,004	1	ECO-2000
2019146	GH WM Relocation	Golden Hills	41	W	9/18/2019	**1/31/2020**		3,128	12,918	154,764	170,810	3,128	12,918	154,764	170,810	1	Traverse Group
2019110	Little Wekiva WTP generator	Little Wekiva	42	W	7/1/2019	**6/30/2020**		2,605	2,616	95,397	100,618	2,605	2,616	95,397	100,618	3	North Lake Electric
2019111	Park Ridge WTP generator	Park Ridge	43	W	7/15/2019	**6/30/2020**		2,861	1,491	99,137	103,489	2,861	1,491	99,137	103,489	3	North Lake Electric
2020135	Ravenna Park I&I Remediation	Ravenna Park	44	S	6/1/2020		12/31/2020	12,263	11,348	853,310	876,921	5,862	4,857	774,158	784,877	7	Traverse Group
2020103	Northwestern Bridge utility relocation	Weathersfield	45	W	2/14/2018		8/30/2021	5,713	1,140	140,201	147,054	323	487	6,005	6,816	1	Traverse Group
	TOTAL										30,042,556				14,568,698		

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by E-mail to the following parties this 14th day of December, 2020:

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/s/ Martin S. Friedman

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