



ADD-CHANGE FORM

New Project or Budget Change?

Assigned Project #

Requested by:
Project Manager / Area Manager

Date:

Project Name:

Company: Utilities Inc of Longwood

Business Unit: Utilities Inc of Longwood

BU Type:

Project Owner:

Budget Owner / RVP:

Project Manager:

Region:

Start Date:

State:

Estimated End Date:

Project Type:

Will project replace/retire any assets:

Previously Requested:

This Request:

Still to be Requested:

Total Project Budget:

Description:

Remove and relocate 1,885 LF of 6" force main and 415 LF of 4" force main on Church Avenue that is in conflict with the City of Longwood's stormwater improvements.

Change Order #1 - Add 485 LF of 6" HDPE, (1) 4" wet tap, remove additional 1,367 LF of 4" force main, upgrade LS LW-12 from 5 HP to 10 HP by changing the main and generator breakers from 60 amp to 100 amp, change the motor breakers from 30 amp to 60 amp, change the motor starters from size 1 to size 2 and purchase (2) 10 HP Flygt/Xylem submersible pumps.

Timeline Considerations:

Our facilities must be relocated prior to the City's contractor performing the stormwater improvements. The project is to be awarded by the City to its selected contractor soon, perhaps as early as the end of September 2016. The replacement pipe must be installed and in service before the city's contractor begins his work. The change order work must be completed in order to finish out the project.

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

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



JUSTIFICATION / ALTERNATIVES

Justification and Benefits:

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

Change Order #1 - There are two parallel force mains along Church Avenue. Initially, the engineering design work determined that only the existing 6" force main would need to be removed and the existing 4" force main would not be in conflict with the City's improvement plans. Through the course of the contractor beginning the relocation work, the existing 4" force main was physically located and counter to the design work the existing 4" force main was determined to also be in conflict with the City's project. In order to abandon and remove the existing 4" force main, the pipe must be relocated to the south side of Church Avenue and connected to the new force main being installed from lift station LW-8. Doing so results in an upsizing of 485 LF of the new 4" force main to 6" and increases the TDH requirements for the LW-12 lift station to pump the wastewater into the manifolded force main. To resolve the TDH issue, the LW-12 lift station must be upgraded from 5 HP pumps to 10 HP pumps including control panel upgrades of the breakers and motor starters. The existing electrical equipment and pumps will be repurposed at other lift stations in the system. Lastly, the pipe removals increase by 1,367 LF.

Risk Evaluation

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

Alternatives Considered:

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

Technical Review Summary:

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



Financial and Regulatory Implications

Capital Plan

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	253,524				
Project Spend in Current Plan	253,524				
Variance	-	-	-	-	-
CIAC Collected					
Net Rate Base	253,524	253,524	253,524	253,524	253,524

(if applicable)

O&M Cost Impact B/(W)

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Financial Justification

Estimated Revenue Impact per Customer:

Number of Customers Impacted:

Served	Rate Payers
(17.53)	(17.53)
1,726	1,726

Utility Financial Impact

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)	-	-	-	-	-
Depreciation Impact on EBIT B/(W)	(6,338)	(12,676)	(12,676)	(12,676)	(12,676)
Under-recovery on capital B/(W)	(4,635)	(17,588)	(16,638)	(15,687)	(14,736)
Net EBIT Impact B/(W)	(10,973)	(30,264)	(29,314)	(28,363)	(27,412)

Timing and Supporting Information on Rate Recovery

This is a pro forma project identified in the 2016 rate consolidation filing.

The total project cost prior to the change order was \$193,880.00. The change order request in the amount of \$59,644.00 increases the total project cost to \$253,524. This new project cost has been imputed above.

Regulatory Plan Implications

Assumptions



BID INFORMATION AND BUDGET BREAKDOWN

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company	Amount	Selected
1	Trisure Corporation	\$144,770	Yes
2	Traverse Group	\$168,505	No
3	CFT	\$169,450	No

Component:

Amount

Value Bid Elements	144,770.00	should match selected bid(s) above
Engineering		
Direct Purchase of Parts / Materials		
Landscaping / Site Restoration		
Other Components (specify):		
Cap Time		
Kimley Horn - Design/Permitting	24,000.00	
CFE - Pipe Removal	25,110.00	
Change Order #1	59,644.00	

Total Project Budget **253,524.00** should match Total Budget on General Information

Object Account(s) to which project will be closed:

1345

Sewer Force Main/Srvc Lines
 select from dropdown list
 select from dropdown list
 select from dropdown list
 select from dropdown list

[Go to Reference List](#)

General Comments:

Most of the 4" and all of the 6" FM was installed in 1972 by the developer of Longwood Groves s/d, formerly known as Lake Searcy Shores. Therefore, it is about 44 years old and developer contributed. The remaining 4" FM was also installed in 1972 by the developer of the Sandalwood subdivision.



Approvals

EAM Prime Review

Review Completed by Date:
Does project align with utility plan and meet technical requirements? Yes No

Comments

This project aligns well with the utility's asset management plan and meets all technical requirements.

Technical Peer Review

Review Sponsored by Date Held
Approval to proceed Yes No

Comments (note if feedback received in review incorporated)

No suggestions were received. Approve as reviewed.

FP&A Review

Review Completed by Date:
Does Project comply with current Utility Rate and Regulatory Plan? Yes No

Comments

Approvals

Applicable?

Regional Manager:	<input type="text" value="Bryan K. Gongre"/>	Date: <input type="text" value="8/19/2016"/>	<input checked="" type="checkbox"/>
VP Operations:	<input type="text" value="Patrick C. Flynn"/>	Date: <input type="text" value="8/24/2016"/>	<input checked="" type="checkbox"/>
President:	<input type="text" value="John P. Hoy"/>	Date: <input type="text" value="8/25/2016"/>	<input checked="" type="checkbox"/>

Approval or Re-Direction Comments

None.



**Xylem Water Solutions USA Inc. /
Flygt Products**

2152 Sprint Blvd. Apopka, Florida 32703
Phone: 407-880-2900 • Fax: 407-880-2962

To: Utility Inc./John Marinelli

Date: November 3, 2016

Subject: Flygt Replacement 10 HP
Quote Number:

We are pleased to offer the following equipment:

(1) 4"NP3127/487 Flygt pump 10 H.P., 3/230V with 50' motor cable, FLS Disabled

Price: \$ 6000.00 + 420.00 TAX X (2) ^B

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 not 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.xylem.com/en-us/Pages/terms-conditions-of-sale.aspx> 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 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: 

Print Name: Bryan K. Gange

Date: 11/3/2016



Scott Rachal

THOMPSON ELECTRIC, LLC

PO BOX 2531 INVERNESS, FL 34451

CELL: (407) 947-9499 ▲ PHONE: (352) 637-0702 ▲ FAX: (352) 637-0702

Email: bill.bahler@thompstonelecfl.com

PROPOSAL
No. P725-1016

October 27, 2016

Utilities Inc. of Longwood
200 Weathersfield Ave.
Altamonte Springs, FL 32714
Attn: Bryan Gongre

Re: Lift Station No.12, Flume Court, Longwood, FL, Control Panel Modifications for 10 Hp Pump Installation

Dear Bryan Gongre,

Thompson Electric, LLC is pleased to offer the following proposal for your review. Perform the following control panel modifications in order to increase the horsepower of the pumps from 5 hp (existing) to 10 hp (proposed).

Modifications to lift station pump Control Panel

1. Remove (1) 60 amp, 240V, 3 pole, existing **main** circuit breaker and replace with (1) new 100 amp, 240V, 3 pole, circuit breaker with multi-tap lugs on load side of circuit breaker.
2. Remove (1) 60 amp, 240V, 3 pole, existing **generator** circuit breaker and replace with (1) new 100 amp, 240V, 3 pole, circuit breaker with multi-tap lugs on load side of circuit breaker.
3. Remove (2) 30 amp, 240V, 3 pole, existing **motor** circuit breakers and replace with the (2) existing 60 amp circuit breakers that were removed in steps 1 and 2 above.
4. Remove (2) existing size 1 Square D pump starters and replace with (2) new size 2 Square D pump starters and (3) new overload heaters per each starter.
5. Install new power wiring between new and relocated circuit breakers and starters as required.
6. Disconnect one submersible pump at a time and replace (by others) with new 10 hp pump. Start up and test pump after installation before installing next pump.
7. Re-pour explosion proof seal-offs after installation and testing are complete.
8. Repair the curb side remote generator receptacle junction box support with new aluminum pipe, stainless steel channel and concrete foundation.

Notes:

- The new pumps will be furnished and installed by others.
- Bypassing appears to not be needed but if required is by others.

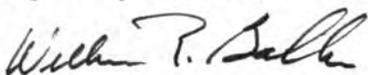
Material - \$4,925.00

Labor - \$2,841.00

TOTAL - \$7,766.00

This proposal may be withdrawn by us if not accepted within 30 days.

Respectfully submitted,



William P. Bahler
Project Manager

TRI SURE CORPORATION

**CHURCH AVENUE
FORCEMAIN RELOCATION - BASE BID
SCHEDULE OF VALUES**

ITEM	DESCRIPTION	QUANTITY		UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	1	LS	25,000.00	25,000.00
2	Preconstruction Video	1	LS	2,000.00	2,000.00
3	4" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	150	LF	25.50	3,825.00
4	6" DR-11 HDPE Pipe (Including Fittings, Restraints, Trenches, Excavation, and Restoration)	2,370	LF	47.50	112,575.00
5	4"x4" Tapping Sleeve and Valve	4	EA	4,000.00	16,000.00
6	Testing, Disinfection, and Startup	1	LS	1,500.00	1,500.00
7	Project Closeout/Record Drawings	1	LS	3,000.00	3,000.00
TOTAL LUMP SUM BASE BID					163,900.00

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

Bryan,

This revised bid form for the proposed change order includes the following;

Add 150 LF 4" HDPE Pipe @ 25.50/LF = \$3825.00
 Deduct 415 LF 4" HDPE Pipe @ 26.00/LF= (\$10,790.00)
 Add 2370 LF 6" HDPE Pipe @ 47.50/LF= \$112,575.00
 Deduct 1885 LF 6" HDPE pipe @ 48.00/LF= (\$90,480.00)
 Add 1EA 4"x 4" Tapping Sleeve and Valve @ 4,000/EA= \$ 4000.00

Total Change Order \$19,130.00