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## Memo: Summary of Additional Costs

**RE:** Rehabilitation of Pumps D-16 and D-18  
Town of Palm Beach - Direct Purchase of Mechanical & Electrical Equipment

**CMA Project No.:** 431.017  
**TPB Project No.:** Bid No. 2020-04

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### INTRODUCTION:

On January 10<sup>th</sup> the Town of Palm Beach received bids from Contractor's for Bid Number 2020-04: Rehabilitation of Pumps D-16 and D-18. This project entails the replacement of the pumps, pump canisters, discharge pipes, and related electrical equipment for the D-16 pump station (western end of Jungle Road) and D-18 pump station (western end of El Brillo Way). In addition, there are non-mechanical elements of the work including structural repairs and additions to concrete sea walls, placement of rock rip-rap to prevent erosion in the Lake Worth Lagoon and minor landscaping and paving site work. The work was advertised with the intention of selecting the lowest bid Contractor and issuing a Purchase Order by April 1<sup>st</sup> and beginning field work on May 1<sup>st</sup>. This schedule allowed for the Contractor to assume the responsibility of purchasing all equipment directly as part of their scope of services and bid pricing.

Subsequent to the review of the submitted bids, it was determined that a change in the project requirements would necessitate the design of the project be modified and re-advertised thereby restarting the bid and award process. The effect of this change meant that the selected Contractor would not be issued a Purchase Order early enough to order the mechanical and electrical items that are not in stock or readily available. Chen Moore recommends that to maintain the schedule for construction within the off-season, the Town should direct purchase "long lead" items such as the pumps, pump cans and electrical control equipment. This will allow for the manufacturers to construct, test and ship the long lead items on a parallel schedule with the Town's bid and award process. Considering this approach, the bid documents (contract, design plans and technical specifications) have been modified to clearly delineate the responsibilities of the Town and the Contractor with respect to purchasing the equipment (Town), accepting delivery of the equipment (Contractor), and installing the equipment (Contractor). The following items are recommended for direct purchase by the Town.

1. Flygt - PL7030/640 38HP Pumps (4)
2. Flygt - 316L Pump Tubes (4)
3. Flygt - 316L Wall Thimbles (4)
4. CC Control Corp – Duplex Pump Station Control Panels (2)
5. CC Control Corp – Wet Well Level Transducers (2)
6. CC Control Corp – Wet Well Floats (2)

The total cost of all long lead items recommended for direct purchase is \$489,382.78. The direct purchase price for all items listed includes the cost of submittal documentation, manufacturer's testing, warranties and other related services. See attached exhibits for a detailed breakdown of item pricing.



**Xylem Water Solutions USA Inc. /  
Flygt Products**  
15132 Park of Commerce Blvd. Suite 102  
Jupiter, Florida 33478  
Phone: 561-848-1200 • Fax: 561-848-1299

To: Town of Palm Beach  
Subject: D-16 & D-18 - Proposal  
Quote Number: 2018-WEP-0338

Date: February 3, 2020

We are pleased to offer the following equipment:

**D16**

Qty	Description
2	PL7030/640 38HP, 460V, 50' motor cable, FLS, includes Zinc Anodes, and Industrial Epoxy Coating
2	Factory Performance Test
2	316L pump tube, with side discharge, includes feet for mounting, aluminum anode plates, coated with PPG Amerlock II 16 mils on all surfaces.
	<b>Does not include: concrete anchors, or ARV</b>
2	Cable entry/management system

Startup service by Flygt representative

**D18**

Qty	Description
2	PL7030/640 38HP, 460V, 50' motor cable, FLS, includes Zinc Anodes, and Industrial Epoxy Coating
2	Factory Performance Test
2	316L pump tube, with side discharge, includes feet for mounting, aluminum anode plates, coated with PPG Amerlock II 16 mils on all surfaces.
	<b>Does not include: concrete anchors, or ARV</b>
2	Cable entry/management system

Startup service by Flygt representative

**Total Project Price \$ 286,466.08 (Pricing Per Orange County Contract)**

**Optional Adder: 316L Wall Thimbles: \$ 23,116.70 (4 spools) (Pricing Per Orange County Contract)**

**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.

**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:** 90% NET 60 DAYS AFTER SHIPMENT DATE 10% NET 120 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.



**Xylem Water Solutions USA Inc. /  
Flygt Products**  
15132 Park of Commerce Blvd. Suite 102  
Jupiter, Florida 33478  
Phone: 561-848-1200 • Fax: 561-848-1299

**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 Water Solutions USA, Inc.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Eric Johnson  
Sales Representative  
(561) 248-3712  
[eric.johnson@xyleminc.com](mailto:eric.johnson@xyleminc.com)

Accepted By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_



# C. C. CONTROL CORP.

5760 CORPORATE WAY, SUITE 100  
WEST PALM BEACH, FLORIDA 33407

PHONE: 561 293-3975  
FAX: 561 293-3976

**CUSTOMER:** THE TOWN OF PALM BEACH

**ATTN:**  
**PHONE:**

**PROJECT:** STORMWATER PUMP STATIONS D-16 AND D-18 REHABILITATION  
TOWN OF PALM BEACH

**DATE:** 02/04/20

DESCRIPTION	QUAN	TOTAL PAGES 6
C. C. CONTROL CORP. PROPOSES TO FURNISH THE FOLLOWING SECTIONS COMPLETE WITH EXCEPTIONS AS LISTED:		
1) SECTION 16681 VARIABLE FREQUENCY DRIVE		
2) SECTION 16900 CONTROL PANELS		
3) SECTION 16913 RTU AND SCADA PROGRAMMING		
ACKNOWLEDGED ADDENDUM NO.1		
EXCEPTIONS:		
A) QUOTE DOES NOT INCLUDE CONDUIT SYSTEM OR SEAL OFF'S.		
B) QUOTE DOES NOT INCLUDE ANY WIRE OR CABLES UNLESS NOTED.		
C) QUOTE DOES NOT INCLUDE ANY PANEL MOUNTING RACKS.		
D) QUOTE DOES NOT INCLUDE FPL METER OR METER CAN.		
E) QUOTE DOES NOT INCLUDE EXTERNAL 7.5KVA TRANSFORMER.		
F) QUOTE DOES NOT INCLUDE EXTERNAL PANELBOARD.		
G) PUMP MONITOR RELAYS PROVIDED BY PUMP SUPPLIER.		
<b>PUMP STATION D-16</b>		
ITEM NO.1		
<b><u>DUPLEX PUMP STATION CONTROL PANEL 480V 40 H.P.</u></b>		
SCHAEFER'S SPHCDSS6-608420-910T NEMA 12/3R 316 S.S. 2 DOOR FREESTANDING ENCLOSURE WITH THE FOLLOWING:	1	
<b>UPPER SECTIONS</b>		
A) SIZE: 60"H X 42"W X 20"D		
B) ALUMINUM DEADFRONTS	2	
C) SUBPANEL: SPP-6042 STEEL (RIGHT SIDE ONLY)	1	
D) REAR CUTOUT FOR VFD HEAT SINKS (LEFT SECTION)	2	
E) 3 POINT S.S. PADLOCKABLE DOOR HANDLES		
F) 3" FLANGED BOTTOM CUTOUT		
G) 316 S.S. DRIPSHIELD		
H) 316 S.S. SUNSHIELDS: TOP, FRONT, BACK, VFD'S, AND BOTH ENDS		
<b>LOWER BASE SECTION</b>		
SCHAEFER'S SPCHDSS6-24"H X 84"W X 20"D NEMA 12/3R 316 S.S. PEDESTAL BASE SECTION	1	
A) SIZE: 24"H X 84"W X 20"D		
B) 3" FLANGED TOP AND BOTTOM CUTOUT		
C) 316 S.S. SCREW FRONT COVER		
HOFFMAN AHCI10E CORROSION INHIBITOR	2	
CROUSE HINDS AR2042-S22-S4-M80 200A GENERATOR RECEPTACLE	1	
CROUSE HINDS AJ68 BACK BOX W/ ANGLE ADAPTER	1	
SQD JGL36200 600V 3 POLE 200A CIRCUIT BREAKERS	2	
SQD MECHANICAL INTERLOCK	1	
SQD CLASS 9080 LBA36521 3P POWER DISTRIBUTION BLOCK	1	
SQD CLASS 9080 LBA16110 1P POWER DISTRIBUTION BLOCK	1	
SQD HGL36100 600V 3 POLE 100A CIRCUIT BREAKERS	2	
SQD HGL36020 600V 3 POLE 20A CIRCUIT BREAKER (TO PM)	1	
SQD HGL36060 600V 3 POLE 60A CIRCUIT BREAKER (TO REUSE LS)	1	
SQD HGL26020 600V 2 POLE 20A CIRCUIT BREAKER (TO XFMR)	1	
SQD HGL26030 600V 2 POLE 30A CIRCUIT BREAKER (TO PANELBOARD)	1	

EATON/INNOVATIVE TECHNOLOGY PTX160-NN400 480V 3 PHASE TVSS	1
MACROMATIC PMPU-480VAC 480V 3 PHASE MONITOR	1
DELTA CA603R 3 PHASE SURGE CAPACITOR	1
BUSSMAN CHCC3DU 3 POLE FUSE BLOCK	1
BUSSMAN FNQ-R-15 15A 600V FUSES	2
BUSSMAN FNQ-R-30 30A 600V FUSES	1
SQD T3000D1 480/120V 3KVA CONTROL TRANSFORMER	1
SQD QOU115 120V 1P 15A CIRCUIT BREAKER	4
EDCO HSP-121A 15A 120V SURGE ARRESTER	1
MAX LITE LB3650 36" LED LIGHT FIXTURE	2
HUBBELL CS120I SINGLE 15A TOGGLE SWITCH	2
HUBBELL SS1 S.S.SINGLE TOGGLE SW. PLATE	2
HUBBELL GFR5352I GFI DUPLEX 20A RECEPTACLE	2
HUBBELL SS26 DUPLEX GFI RECPT. PLATE SS	2
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>VFD SECTION>>>>>>>>>>>>>>>>>>>>>>>>>	
TCI KDRF2L 5% LINE REACTOR	2
TCI V1K80A00 OUTPUT FILTER	2
CUTLER-HAMMER DG1 VARIABLE FREQUENCY DRIVE WITH THE FOLLOWING:	2
A) POWER: 480V	
B) HORSEPOWER: 50 HP.	
C) MAX. AMP: 72A	
D) REAR MOUNTED HEAT SINK W/GASKET	
CUTLER-HAMMER DG1 DXG-KEY-RMTKIT REMOTE KEYPAD MOUNTING KIT	2
CUTLER-HAMMER DG1 DXG-ACC-FR4N12FK FLANGE MOUNTING KIT	2
SQD 8502 SEO2V02S NEMA SIZE 3 CONTACTORS	4
SQD 8536 SEO1V02S NEMA SIZE 3 FVNR MOTOR STARTER	2
SQD CC*** OVERLOAD HEATERS	6
SQD 9066 RA1 RESET	2
SQD 9999 SX8 NO/NC STR. AUX	4
BENDER RCM420-D2 GROUND FAULT MONITOR	2
BENDER W1-S35 EXTERNAL CT'S	2
MARATHON 1453129 3P POWER SPLICER BLOCK	2
GRASSLIN FWZ72 120VAC ELAPSED HOUR METER	2
SQD 9001 SKS43B 3 POSITION SELECTOR SWITCH	2
SQD 9001 KA1 BLOCK	4
SQD 9001 SKS11B 2 POSITION SELECTOR SWITCH	2
SQD 9001 KA1 BLOCK	8
SQD 9001 SKT38LRR31 120V RED PUSH TO TEST LED PILOT LIGHT	21
SQD 9001 SKT38LYY31 120V YELLOW PUSH TO TEST PILOT LIGHT	11
FINDER 60.13.8.120.0050 3PDT 120VAC RELAYS	26
FINDER 90.03 11 PIN RELAY SOCKETS	26
DIVERSIFIED TBC-120-ABA ON DELAY TIMER 2PDT	6
DIVERSIFIED RB-08 8 PIN SOCKET	6
EDCO DRS-036 SIGNAL SIGNAL SURGE ARRESTER	2
FEDERAL SIGNAL FB2PST-120R RED STROBE ALARM LIGHT	1
T & B H075-TB 3/4" HUB	2
3/4" X 4" S.S. NIPPLE	1
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>24VDC>>>>>>>>>>>>>>>>>>>>>>>>>	
PULS ML70.100 3A 24VDC POWER SUPPLY	1
MOORE INDUSTRIES DDA/4-20/DH2H2/24DC CURRENT TRIP MODULES	4
MOORE INDUSTRIES ECT/4-20/4-20/117/AC/DIN SIGNAL ISOLATOR	1
EDCO PC642C-036-X DUAL SIGNAL SIGNAL SURGE ARRESTER W/PCB1B BASE	1
PRECISION DIGITALPD765-7X3-00 LOOP POWERED PANEL METER	1
FINDER 60.13.9.024.0070 3PDT 24VDC RELAYS	7
FINDER 90.03 11 PIN RELAY SOCKETS	7
SQD 9001 SKS11B 2 POSITION SELECTOR SWITCH	6
SQD 9001 KA1 BLOCK	6
SQD 9001 SKR1U PUSHBUTTON OPERATOR	2
SQD 9001 KA3 BLOCK	2
SQD 9001 SKT35LRR31 120V RED PUSH TO TEST LED PILOT LIGHT	6
SQD 9001 SKT35LYY31 120V YELLOW PUSH TO TEST LED PILOT LIGHT	1
SQD 9001 SKS73B 3 POSITION SELECTOR SWITCH W/ SPRING RET. RIGHT TO CENTER	1
SQD 9001 KA1 BLOCK	1
DIVERSIFIED ARA-120-ADA DUPLEX ALTERNATOR	1
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>12VDC>>>>>>>>>>>>>>>>>>>>>>>>>	
PULS ML50.102 4.2A 12VDC POWER SUPPLY	1
PHOENIX UK5-HESI 3004100 FUSIBLE TERMINAL BLOCK	4
BUSSMAN GMA FUSES	4

HOFFMAN L-SC252015 NEMA 12 SC ENCLOSURE	1
HOFFMAN L-P2520 SUB-PANEL	1
INGRAM ISR2-12V-100K 2 CHANNEL INTRINSIC SAFETY BARRIER RELAYS	6
PHOENIX CONTACT 3044102 UT4 TERMINAL BLOCK	100
PHOENIX CONTACT 3047028 D-UT TERMINAL BLOCK END COVER	6
PHOENIX CONTACT 0800886 END CLAMPS	4
PHOENIX CONTACT 1201442 E/UK END CLAMP	4
PANDUIT UGB-IN-SO STANDOFF KITS	2
PANDUIT UGB2/0-414-12 GROUND BAR KIT	2
GENERIC ARC FLASH WARNING LABEL	LOT
WIRE, DUCT & NAMEPLATES	LOT
U.L. 698A LABEL	LOT

CONTEGRA SLX 130-MIS-10-50-B SUBMERSIBLE LEVEL TRANSDUCER W/ 50FT. CABLE	1
CONTEGRA SLX-SP1 316 S.S. PIPE FOR CABLE HANGING	1

ANCHOR SCIENTIFIC GP40NONC MERCURY FREE, POLE MOUNT FLOATS WITH 40FT CORDS	4
TAGS: <b>LS-111, 112, 113, 123</b>	4

ENGINEERING	LOT
SUBMITTALS	LOT
OPERATIONAL ACCEPTANCE TESTING	LOT
FUNCTIONAL ACCEPTANCE TESTING	LOT
INSTRUMENT CALIBRATIONS	LOT
START UP	LOT
CUTLER-HAMMER VFD START UP AND TRAINING	LOT
CC CONTROL CORP. TRAINING	LOT
OPERATION AND MAINTENANCE MANUAL	LOT
STANDARD 1 YEAR WARRANTY	LOT
3 YEAR VFD WARRANTY	LOT

ENGINEER SERVICE CORP. RTU MODIFICATIONS	LOT
ENGINEER SERVICE CORP. SCADA MODIFICATIONS	LOT
ENGINEER SERVICE CORP. START UP AND TRAINING	LOT

SCHAEFER'S SPHCDSS6-608420-910T NEMA 12/3R 316 S.S. 2 DOOR FREESTANDING ENCLOSURE WITH THE FOLLOWING:

A) SIZE: 60"H X 42"W X 20"D	
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E) 3 POINT S.S. PADLOCKABLE DOOR HANDLES	
F) 3" FLANGED BOTTOM CUTOUT	
G) 316 S.S. DRIPSHIELD	
H) 316 S.S. SUNSHIELDS: TOP, FRONT, BACK, VFD'S, AND BOTH ENDS	

SCHAEFER'S SPCHDSS6-24"H X 84"W X 20"D NEMA 12/3R 316 S.S. PEDESTAL BASE SECTION 1

A) SIZE: 24"H X 84"W X 20"D

B) 3" FLANGED TOP AND BOTTOM CUTOUT

## PUMP STATIONS D-16 AND D-18 REHABILITATION





BUSSMAN GMA FUSES	12
SQD 9001 SKT38LRR31 120V RED PUSH TO TEST LED PILOT LIGHT	6
SQD 9001 SKT38LYY31 120V YELLOW PUSH TO TEST PILOT LIGHT	6
SQD 9001 SKT35LRR31 120V RED PUSH TO TEST LED PILOT LIGHT	6
SQD 9001 SKT35LYY31 120V YELLOW PUSH TO TEST LED PILOT LIGHT	6
EDCO DRS-036 SIGNAL SIGNAL SURGE ARRESTER	6
EDCO HSP-121A 15A 120V SURGE ARRESTER	6
EATON/INNOVATIVE TECHNOLOGY PTX160-NN400 480V 3 PHASE TVSS	6
DELTA CA603R 3 PHASE SURGE CAPACITOR	1
CONTEGRA SLX 130-MIS-10-50-B SUBMERSIBLE LEVEL TRANSDUCER W/ 50FT. CABLE	1

#### SUMMARY

ITEMS NO.1 THRU NO.4	D-16 BID ITEM NO.22	SELL
ITEM NO.5	D-16 BID ITEM NO.23	83300.00
ITEMS NO.6 THRU NO.9	D-18 BID ITEM NO.22	6500.00
ITEM NO.10	D-18 BID ITEM NO.23	83100.00
ITEM NO.11	INCLUDED	6900.00
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		<b>TOTAL</b> 179800.00

**TOTAL: \$179,800.00 PLUS TAX IF APPLICABLE**

**SUBMITTALS** 5-7 WEEKS  
AFTER RECEIPT OF PURCHASE ORDER

**FOB:** JOB SITE

**DEL:** 10-12 WEEKS

AFTER APPROVED DRAWINGS

**TERMS:** NET 30 DAYS

(SUBJECT TO CREDIT APPROVAL)

**WARRANTY:** CC CONTROL WARRANTY SHALL EXPIRE ONE (1) YEAR FROM DATE OF START-UP  
CUTLER-HAMMER VFD WARRANTY SHALL EXPIRE THREE (3) YEARS FROM DATE OF START-UP  
FROM SELLER TO BUYER UNLESS SPECIALLY INDICATED OTHERWISE AND  
WILL BE NULL AND VOID UNLESS MATERIALS ARE STORED UNDER PROPER  
CONDITIONS DETERMINED BY C.C. CONTROL CORP.

JOHN C. STOCK