

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: August 14, 2018                      Consent [X]                      Regular [ ]  
Public Hearing [ ]

Department: Water Utilities Department

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: Change Order No. 7 with R. J. Sullivan Corp., for the Water Treatment Plant (WTP) No. 8 Anion Exchange System Project (Project) in the amount of \$122,492 with a 60-day time extension to the final completion date.

**Summary:** On March 22, 2016, the Board of County Commissioners (BCC) approved the Contract for the WTP No. 8 Project (R2016-0372) with R.J. Sullivan Corp. Change Order No. 7 provides for additional water quality analyzers, an increase of \$122,492 and 60 calendar days for final completion of the Project. The Anion Exchange System at WTP No. 8 removes both color and organics and construction was substantially complete on January 11, 2018. The free chlorine disinfection process has been moved from pre-filtration to post anion exchange to reduce disinfection byproducts. The Palm Beach County Health Department required additional analyzers for the Water Utilities Department's (WUD) voluntary compliance with the EPA groundwater disinfection rule. The Small Business Enterprise (SBE) participation established by the SBE Ordinance is 15% overall. The Contract provides for SBE participation of 62.98%. Change Order No. 7 provides for 66% SBE participation. The cumulative SBE participation including Change Order No. 7 is 63%. R. J. Sullivan Corp., maintains an office in Boca Raton from which the majority of the work will be undertaken. This Project is included in the WUD FY 18 Budget. (WUD Project No. 13-022) District 2 (MJ)

**Background and Justification:** WUD is currently administering a construction project with R. J. Sullivan Corp., for the addition of a 14 vessel Anion Exchange System to WTP No. 8. On October 13, 2014, WTP No. 8 was approved for voluntary compliance of four-log virus removal during treatment of groundwater by the Palm Beach County Health Department. The disinfection process was relocated during the anion exchange project and required re-submittal of the 4-log virus disinfection compliance. The Health Department has required chlorine analyzers with a quicker response time, which are included in Change Order No. 7.

**Attachments:**

- 1. Location Map
- 2. Four (4) Original Change Order No. 7
- 3. ITS Summary of Certificates

Recommended By: Jim Stiles                      8-1-18  
Department Director                      Date

Approved By: [Signature]                      8/3/18  
Assistant County Administrator                      Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2018	2019	2020	2021	2022
Capital Expenditures	\$122,492	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	\$122,492	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0
Budget Account No.:	Fund 4011	Dept 721	Unit W001	Object 6541	

Is Item Included in Current Budget? Yes X No  
Does this item include the use of federal funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time capital expenditure from user fees with balances brought forward.

C. Department Fiscal Review: [Signature]

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

[Signature] 7/19/18 OFMB [Signature] 7/20/18 Contract Development and Control

B. Legal Sufficiency: [Signature] 8/3/18 Assistant County Attorney

C. Other Department Review: [Signature] Department Director

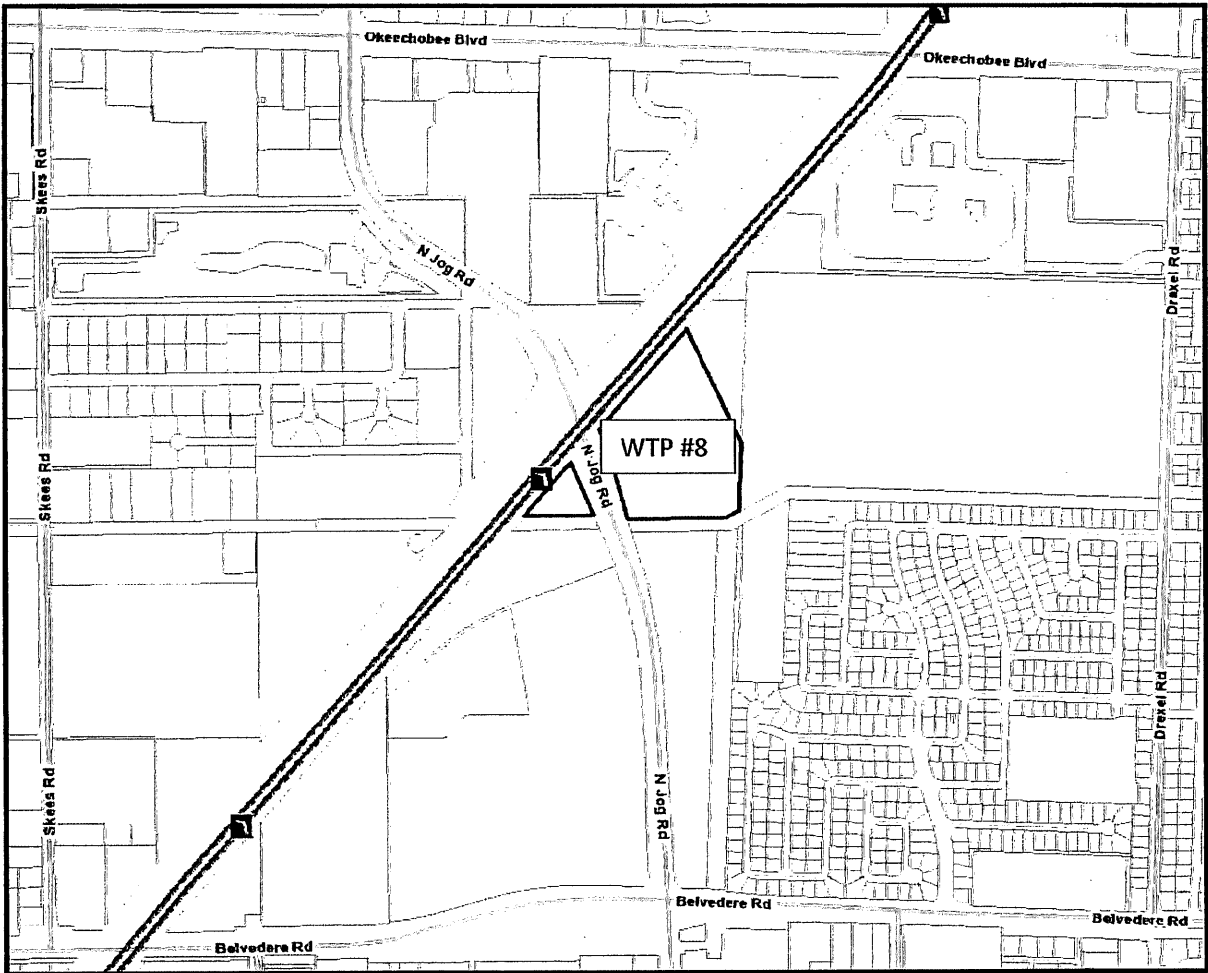
This summary is not to be used as a basis for payment.

**ATTACHMENT 1**

**Change Order No. 7  
Palm Beach County Water Utilities Department**

**WUD 13-022 Water Treatment Plant No. 8 Anion Exchange Project**

**LOCATION MAP**



1500 North Jog Road, West Palm Beach, FL 33417

CHANGE ORDER NO. 7  
Palm Beach County Water Utilities Department  
Resolution No. R2016-0372 Contract Dated March 22, 2016

Project Title: Water Treatment Plant No. 8 Anion Exchange System

WUD Project No. 13-022

Contractor: R. J. Sullivan Corp.

Address: 200 W. Camino Real, Suite M. Boca Raton, FL 33432

Budget Line Item No. 4011- 721 - W001 - 6541

District: 2

Notice to Proceed: April 13, 2016

**You are directed to make the following changes in this contract:**

Remove the existing CL 17 colormetric free chlorine analyzers. Furnish and install 4 (four) ProMinent DAC free chlorine residual analyzer/controllers on a new backboard along with all associated electrical and programming. The new ProMinent probe type free chlorine residual analyzers/controllers will provide instantaneous sampling that will meet the latest Palm Beach County Health Department requirement.

Total: \$122,492.00  
60 Days

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES THEIR AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

The Original Contract Sum was .....	<u>\$12,185,000.00</u>
Net Change by previous Change Orders .....	<u>\$709,070.64</u>
The Contract Sum prior to this Change Order was .....	<u>\$12,894,070.64</u>
The Contract Sum will be <b>increased/decreased</b> by this Change Order.....	<u>\$122,492.00</u>
The New Contract Sum indicating this Change Order will be.....	<u>\$13,016,562.64</u>
The Contract Time will be <b>increased</b> by Sixty <u>(60)</u> days (Final Completion Only)...	<b>60 Days</b>
The Date of Substantial Completion including this Change Order: .....	<b>January 11, 2018</b>
	Revised 4-12-18

CHANGE ORDER NO. 7  
Palm Beach County Water Utilities Department  
Resolution No. R2016-0372 Contract Dated March 22, 2016

Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes, in whole or part, a cardinal change to the contract.

R.J. Sullivan, Corp.

Globaltech, Inc.

Palm Beach County  
Board of County Commissioners  
**OWNER**

**CONTRACTOR**

**ENGINEER**

301 N. Olive Avenue

200 W. Camino Real,  
Suite. M  
Boca Raton, FL 33432

6001 Broken Sound Pkwy  
NW. Suite 610  
Boca Raton, FL 33487

West Palm Beach, FL 33401

**Address**

**Address**

**Address**

*W.G. Pulsford*

*Tony L. Lyle*

*JCS*

**Signature**

**Signature**

**Signature**

Title: **PROJECT MANAGER**

Title: **Project Manager**

**Melissa McKinlay, Mayor**

5/25/18

5/25/18

**Date**

**Date**

**Date**

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged  
before me this 25 day of MAY, 2018  
by W.G. PULSFORD as PM  
for R.J. SULLIVAN CORP.

(Signature of Notary Public - State of Florida)

*Sandra McDonald*

(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known ☒ OR Produced Identification ☐

Type of Identification Produced \_\_\_\_\_

Approved as to Form and Legal Sufficiency

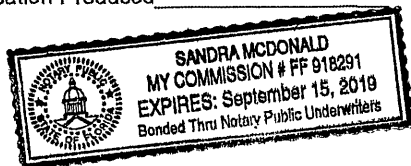
By: \_\_\_\_\_

County Attorney

Attest: Sharon R. Bock, Clerk and Comptroller

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

Deputy Clerk



Revised 4-12-18

**CHANGE ORDER NO. 7**  
**Palm Beach County Water Utilities Department**  
**Resolution No. R2016-0372 Contract Dated March 22, 2016**

**LIST OF ATTACHMENTS**

<b>ATTACHMENT</b>	<b>A</b>	Change Order Summary and Categorization
<b>ATTACHMENT</b>	<b>B</b>	Change Order Additions/Deletions Summary
<b>ATTACHMENT</b>	<b>C</b>	SBE Schedule 1 and Schedule 2
<b>ATTACHMENT</b>	<b>D</b>	Location Map
<b>ATTACHMENT</b>	<b>E</b>	Bond Rider (if applicable)
<b>ATTACHMENT</b>	<b>F</b>	Supporting Documentation

**ATTACHMENT A**  
**CHANGE ORDER NO. 7 SUMMARY AND CATEGORIZATION**

Project Title: Water Treatment Plant No. 8 Anion Exchange

WUD Project No. 13-022

Resolution No. R2016-0372

Item	C.O.	Scope of Work	Additions	(Deletions)	Net Change	Time
#	Code					
6.1	O	To Ensure Health Department 4-log requirements by adding analyzers	\$ 122,492.00	\$ -	\$ 122,492.00	60 Days to FC
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	
Total			\$ -	\$ -	\$ -	

CHANGE ORDER CATEGORIZATION CODE

- |   |                               |
|---|-------------------------------|
| O | OWNER INITIATED               |
| D | DIFFERING SITE CONDITIONS     |
| E | ERRORS and OMISSIONS          |
| Z | ZONING/CODE/ORDINANCE CHANGES |
| Q | QUANTITY OVERRUNS/UNDERRUNS   |
| R | REQUEST BY ANOTHER AGENCY     |

Revised 4-12-18

## ATTACHMENT B

### CHANGE ORDER ADDITIONS/DELETIONS SUMMARY

PROJECT:	Water Treatment Plant No. 8 Anion Exchange	APPROVAL LIMITS:
CONTRACTOR:	RJ. Sullivan Corp.	
PROJECT NO.:	WUD 13-022	
RESOLUTION NO.:	R2016-0372	
DATE APPROVED:	March 22, 2016	
CONTRACT AMOUNT:	\$12,185,000.00	

		DEPARTMENT HEAD	CONTRACT REVIEW COMMITTEE	DEPARTMENT HEAD PLUS CONTRACT REVIEW COMMITTEE
		(Amount) (Days)	(Amount) (Days)	(Amount) (Days)
INDIVIDUAL C.O.	\$50,000.00	30 Days	\$100,000.00	90 Days
CUMMULATIVE C.O.	\$100,000.00	30 Days	\$200,000.00	120 Days

C.O. #	DATE APPROVED	NET CHANGE	DEPARTMENT HEAD (ADDS PLUS DEDUCTS)		CONTRACT REVIEW COMMITTEE (ADDS PLUS DEDUCTS)		TOTAL DEPT. HEAD & CONTRACT REVIEW COMM. (ADDS PLUS DEDUCTS)		BOARD OF COUNTY COMMISSIONERS (ADDS PLUS DEDUCTS)		TOTALS
			AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	
01	3/4/17	\$111,894.64	\$0	0	0	0	\$0	0	\$111,894.64	61	\$111,894.64
02	5/2/17	\$197,155.00	\$0	0	0	0	\$0	0	\$197,155.00	35*	\$197,155.00
03	11/8/17	\$ 78,706.00	\$0	0	\$78,706.00	7	\$78,706.00	7	\$0	0	\$78,706.00
04	1/24/18	\$ 22,200.00	\$0	0	\$22,200.00	30	\$22,200.00	30	\$0	0	\$22,200.00
05	4/10/18	\$299,115.00	\$0	0	0	0	0	0	\$299,115.00	45*	\$299,115.00
06	Pending	\$0.00	\$0	0	0	90	0	90*	0	0	0
07	Pending	\$122,492.00	\$0	0	0	0	0	0	\$122,492.00	60*	\$122,492.00
TOTAL		\$831,562.64	\$0	0	\$100,906.00	127	\$100,906.00	127	\$730,656.64	61/140*	\$831,562.64

**Notes:**

- Per PPM #CW-F-050, upon approval of C.O. in the cumulative amount of \$250,000 or 5% of Contract Amount (> \$5 million), Receive and File must be submitted to the Board of County Commissioners to reset the dollar amounts.
  - Net Change reflects the net amount of additions plus deductions.
  - Adds plus Deducts reflects the net value of unrelated changes for use in determining the approval authority for the Change Order.
- \*Days added to Final Completion Only



**SCHEDULE 1**  
**LIST OF PROPOSED SBE-M/WBE PARTICIPATION**

PROJECT NAME OR BID NAME: WTP #8 Anion Exchange System  
NAME OF PRIME BIDDER: R. J. Sullivan Corp.  
CONTACT PERSON: Will Pulsford  
BID OPENING DATE: December 8, 2015

PROJECT NO. OR BID NO.: WUD 13-022 - C.O. #6  
ADDRESS: 200 W. Camino Real, Suite M, Boca Raton, FL 33432  
PHONE NO.: (561) 393-0040 FAX NO.: (954) 975-3333  
USER DEPARTMENT: \_\_\_\_\_

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUBMITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT AND/OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE's ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT AND/OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT. THE PRIME AFFIRMS THAT IT WILL MONITOR THE SBES LISTED TO ENSURE THE SBES PERFORM THE WORK WITH ITS OWN WORKFORCE.

(Check one or both Categories)			<u>DOLLAR AMOUNT AND/OR PERCENTAGE OF WORK</u>				
Name, Address and Phone Number	<u>M/WBE</u>	<u>SBE</u>	Black	Hispanic	Women	Caucasian	Other (Please Specify)
	Minority Business	Small Business					
1. R. J. Sullivan Corp. 200 W. Camino Real, Suite M Boca Raton, FL 33432 (561) 393-0040	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	\$81,122	_____
2. _____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
3. _____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
4. _____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5. _____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)							
Total			_____	_____	_____	\$81,122	_____

Total Bid Price \$ 122,492.00

Total SBE-M/WBE Participation Dollar Amount and/or Percentage of Work 66%

I hereby certify that the above information accurate to the best of my knowledge: W. G. Pulsford Project Manager  
Signature Title

- NOTE: 1. The amount listed on this form for a SBE-M/WBE Prime or Subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount and/or percentage under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

OSBA SCHEDULE 2  
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE

This document must be completed by ALL SBE-M/WBE's and submitted with this bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT NUMBER: WUD-13-022 PROJECT NAME: WTP #8 Anion Exchange System

TO: R. J. Sullivan Corp.  
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise \_\_\_\_\_ Minority Business Enterprise \_\_\_\_\_  
Black \_\_\_\_\_ Hispanic \_\_\_\_\_ Women \_\_\_\_\_ Caucasian \_\_\_\_\_ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: \_\_\_\_\_

The undersigned is prepared to perform the following described work in connection with the above project. Additional Sheets May Be Used As Necessary

Line Item/ Lot No.	Item Description	Qty/Units	Unit Price	Total Price/ Percentage
	Change Order No. 5	1	\$81,122	\$81,122

at the following price or percentage \_\_\_\_\_  
(SBE Prime or Subcontractor's Quote)

and will enter into a formal agreement for work with you contingent upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this job to a certified SBE-M/WBE or a non-SBE subcontractor, please list the name of that subcontractor and the amount below.

Price or Percentage \$81,122 \_\_\_\_\_  
(Name of Subcontractor)

The Prime affirms that it will monitor the SBE-M/WBE listed to ensure the SBE-M/WBE perform the work with their own work force. The undersigned SBE-M/WBE Prime or SBE-M/WBE subcontractor affirms that it has the resources necessary to perform the work listed without subcontracting to a non-certified SBE or any other certified SBE subcontractors except as noted above.

The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders.

R. J. Sullivan Corp.  
Print name of  
SBE-M/WBE Company

By: W. G. Pulsford  
(Signature)

W. G. Pulsford  
Print name/title of person executing on behalf  
of SBE-M/WBE

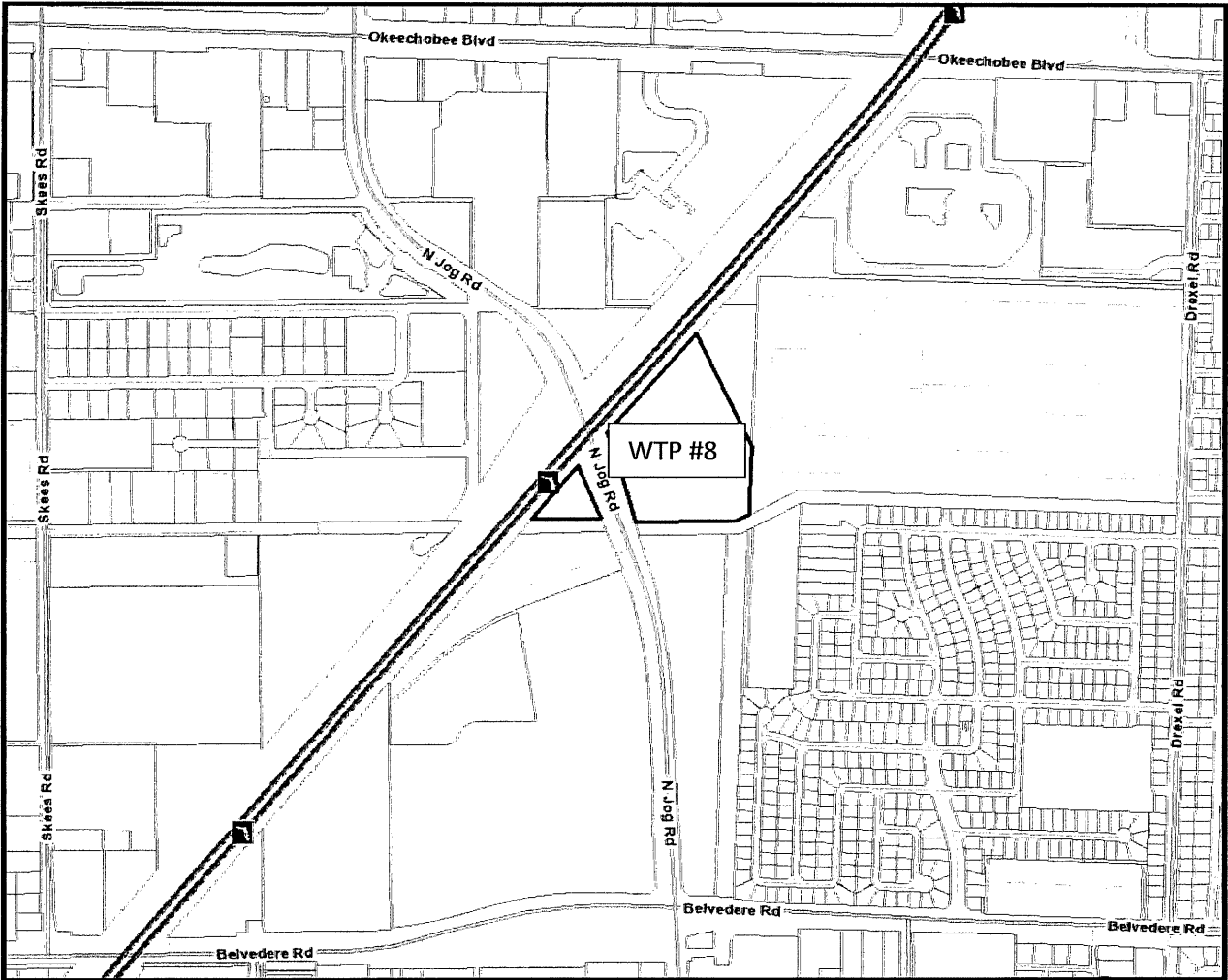
Date: May 25, 2018

**ATTACHMENT D**

**Change Order No. 7**  
**Palm Beach County Water Utilities Department**

**WUD 13-022 Water Treatment Plant No. 8 Anion Exchange Project**

**LOCATION MAP**



1500 North Jog Road, West Palm Beach, FL 33417

**ATTACHMENT E**  
**INSERT BOND RIDER**

**BOND RIDER**

**ATTACHED TO AND FORMING A PART OF:**

**Bond Number:** 929550045

**Principal:** R.J.Sullivan Corp.

**Obligee:** Palm Beach County Commissioners

**Surety:** Continental Casualty Company

**Effective** May 25 ,20 18 , it is agreed that:

The Contract is increased from \$12,894,070.64 to \$13,016,562.64

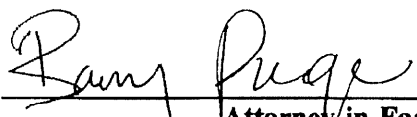
**Nothing herein contained shall be held to vary, waive, alter, or extend any of the terms, conditions, agreements or warranties of the above mentioned bond, other than stated as above. Provided, however, that the liability of the company under the attached bond as changed by this order shall not be cumulative.**

Signed this 25th day of May ,2018

**Principal:** R.J.Sullivan Corp.

**Surety:** Continental Casualty Company

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

  
Barry R. Page , Attorney-in-Fact

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Martha A Kuveikis, Marsha Lynn Wendt, John K Ritenour, Valli S Ritenour, Karen Jones Ireland, Vivian Nasser, Barry R Page, Bonnie Robbins, Individually

of Longwood, FL, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 2nd day of November, 2017.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 2nd day of November, 2017, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.



My Commission Expires June 23, 2021

J. Mohr Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 25th day of May, 2018.



Continental Casualty Company  
National Fire Insurance Company of Hartford  
American Casualty Company of Reading, Pennsylvania

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to [www.cnasurety.com](http://www.cnasurety.com) > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

**ATTACHMENT F**  
**SUPPORTING DOCUMENTATION**

PCO #30 - Chlorine Residual Analyzers

**Contractor**

Superintendent	12 MH @ \$100/MH	\$	1,200
Laborer	56 MH @ \$50/MH	\$	2,800
Materials (Instrumentation, PVC Pipe, Fittings, Valves, etc.)		\$	61,500
<b>Subtotal:</b>		<b>\$</b>	<b>65,500</b>
<b>15% Contractor's Overhead &amp; Profit:</b>		<b>\$</b>	<b>9,825</b>
(General Conditions, Article 44, Paragraph C.1.a.(i).)			
<b>Contractor Total:</b>		<b>\$</b>	<b>75,325</b>

**Subcontractors**

Cyber Electric		\$	39,400
<b>Subtotal:</b>		<b>\$</b>	<b>39,400</b>
<b>5% Contractor's Overhead &amp; Profit:</b>		<b>\$</b>	<b>1,970</b>
(General Conditions, Article 44, Paragraph C.1.a.(ii).)			
<b>Subcontractor Total:</b>		<b>\$</b>	<b>41,370</b>

**Other**

Equipment		\$	-
Tax on Materials (7.0%)		\$	4,305
Additional Bond		\$	1,492
<b>Subtotal:</b>		<b>\$</b>	<b>5,797</b>
<b>0% Contractor's Overhead &amp; Profit:</b>		<b>\$</b>	<b>-</b>
(General Conditions, Article 44, Paragraph C.1.a.(iii).)			
<b>Other Total:</b>		<b>\$</b>	<b>5,797</b>

<b>Total: \$ 122,492</b>
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# C. C. CONTROL CORP.

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

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

**CUSTOMER:** RJ SULLIVAN  
  
**ATTN:** WILL PULSFORD  
**PHONE:** (954) 975-0388  
  
**PROJECT:** WTP NO.8 ANION EXCHANGE SYSTEM  
PALM BEACH COUNTY WATER UTILITIES DEPT.  
  
**DATE:** 5/8/2018 CHANGE REQUEST NO.3

DESCRIPTION	QUAN	TOTAL PAGES 2
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## CHANGE REQUEST NO.3

- 1) ADD NEW RIO-3 PLC EXPANSION RACK AND I/O MODULES.
  - 2) PROVIDE NEW INSTRUMENT PANELS WITH POWER AND SURGE INTERFACE BOXES.
- EXCEPTIONS
- A) QUOTE DOES NOT INCLUDE ANALYZER PANEL DEMOLITION OR INSTALLATION.
  - B) QUOTE DOES NOT INCLUDE PLC PROGRAMMING.

### ITEM NO.1

#### EXISTING PANEL RIO-3 MODIFICATION

ALLEN BRADLEY 1756-A7 7 SLOT CONTROLLOGIX CHASSIS	1
ALLEN BRADLEY 1756-PA72 18-32VDC POWER SUPPLY	1
ALLEN BRADLEY 1756-EN2T CLX ETHERNET/IP 10/100 BRIDGE	1
ALLEN BRADLEY 1756-IF16 8 CHANNEL ANALOG INPUT MODULE	2
ALLEN BRADLEY 1756-N2 EMPTY SLOT FILLER CARD	5
ALLEN BRADLEY 1756-TBNH 20 POSITION NEMA SCREW CLAMP BLOCK	2
ALLEN BRADLEY 1783-ETAP1F COPPER TO FIBER MEDIA CONVERTER	1
FIS D28LM3FISC ST-LC 3 METER FIBER PATCH CABLE	1
BLACK BOX EVNSL641-0006 6' ETHERNET PATCH CORD	1
EDCO PC642C-036-X DUAL SIGNAL SURGE PROTECTOR	6
PHOENIX UK5-HESI 3004100 FUSIBLE TERMINAL BLOCK	12
BUSSMAN GMA FUSES	12
PHOENIX CONTACT 3044102 UT4 TERMINAL BLOCK	30
PHOENIX CONTACT 3047028 D-UT TERMINAL BLOCK END COVER	16
PHOENIX CONTACT E/UK1 1201413 END CLAMPS	8
MISC. PHOENIX MARKING STRIPS	LOT
MISC. WIRE & NAMEPLATES	LOT

### ITEM NO.2

#### ANALYZER INSTRUMENT PANELS (2-REQ'D)

KING PLASTICS 48"H X 30"W X 1/2"T WHITE STARBOARD BACK PLATES (WALL MTD.)	2
HOFFMAN A12106CHNFSS6 316 S.S. NEMA 4 ENCLOSURE WITH THE FOLLOWING:	4
A) SIZE: 12"H X 10"W X 6"D	
B) S.S. DOOR CLAMPS	
C) SUBPANEL: SPPJ-1210	4
UL 508A LABELS	4
SQD QOU110 10A 1 POLE 120V CIRCUIT BREAKER	4
EDCO HSP-121A 120VAC 15A SURGE ARRESTER	4
PHOENIX CONTACT 2838228 PT 2X2-24DC-ST SURGE PROTECTOR	8
PHOENIX CONTACT 2839224 PT 2X2+F-BE BASE	8
PHOENIX CONTACT 3044102 UT4 TERMINAL BLOCK	40

WATER PLANT 8 ANION EXCHANGE SYSTEM

Page 1

PHOENIX CONTACT 3047028 D-UT TERMINAL BLOCK END COVER	4
PHOENIX CONTACT E/UK1 1201413 END CLAMPS	8
PANDUIT GROUND BUS	4
PROMINENT DAC FREE CHLORINE RESIDUAL ANALYZER/CONTROLLER PACKAGE	4
FOLLOWING: PN: DACBW006VA4020010010EN	
A) ENCLOSURE: NEMA 4X	
B) POWER: 120VAC	
C) OUTPUTS: 4-20MADC	
D) MEASUREMENTS: PH, TEMPERATURE, FREE CHLORINE	
E) DGMA421T010 TEMPERATURE SENSOR HOUSING	4
F) TAGS: AE/AIT-5006A,1,2 & 3, 5006B1,2 & 3, 5006C1,2 & 3, 5006D1,2 & 3	4
PROMINENT 1038014 CBR CHLORINE SENSOR 1mA-10.0PPM	4
CROUSE HINDS DS185 - SINGLE GANG CAST ALUMINUM SWITCH W/COVER	4
CROUSE HINDS FD2 SINGLE GANG BOX	4
HUBBELL CS115-I SINGLE 15A TOGGLE SWITCH	4
MISC. HARDWARE AND FITTINGS	LOT
MISC. SEALTITE, WIRE & NAMEPLATES	LOT

**NOTES:**

- 1. ANALYZER PANEL INSTALLATION BY OTHERS.
- 2. SUPPLY AND DRAIN PIPING BY OTHERS.

ITEM NO.3

**SERVICE SUMMARY**

ENGINEERING	LOT
SUBMITTALS	LOT
INSTRUMENT CALIBRATION	LOT
START-UP	LOT
O & M MANUALS	LOT

**SUMMARY**

ITEMS NO.1 THRU NO.3

**TOTAL: \$60,800.00 PLUS TAX**

<b>SUBMITTALS</b>	2-4 WEEKS AFTER RECEIPT OF PURCHASE ORDER
<b>FOB:</b>	JOB SITE
<b>DELIVERY:</b>	4-6 WEEKS AFTER APPROVED DRAWINGS
<b>TERMS:</b>	NET 30 DAYS (SUBJECT TO CREDIT APPROVAL)
<b>WARRANTY:</b>	ALL WARRANTIES SHALL EXPIRE ONE (1) YEAR 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

# Quote

**Cyber Electric of Central FL. Inc.**  
3384 NW 18th St.  
Okeechobee, Florida 34972  
United States  
Tel: 863-467-2127  
Fax: 863-467-8367  
E-mail: cyberelectric99@gmail.com

<b>Reference</b>	<b>Cyber C/O # 5</b>
<b>File#</b>	5027
<b>Job type:</b>	Quote - Pending
<b>Job date:</b>	May. 18, 2018
<b>Clientcode:</b>	R.J. Sullivan
<b>Customer Ref. #:</b>	PBC WTP #8 AIX - PCO 30
<b>Page number:</b>	1

Billing address:	Site address:
<b>R.J. Sullivan Attn:</b> Will / Jason 2001 N.W. 22nd St. Pompano Beach, Florida 33069 United States Tel: 954-975-0388 Fax: 954-975-3333	<b>WTP - 8 Chlorine Residual Analyzers</b> Florida United States

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## Work Description

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### Supplied and Installed by Cyber Electric

1. Provide and install six (6) twisted shield pair (TSP) wires between existing RIO-3 panel (near old anion exchange system) to instruments at analyzer monitor station. Field route temporary wires and coordinate with owner. Protect the temporary wires on road crossing for vehicle traffic. Disconnect existing twisted shielded pair wires at the instruments (pH, ammonia, 2 Hach CL 17) as well as RIO-3 panel and connect temporary TSP cables.
2. Pull out existing six (6) TSP wires in the existing conduits between existing RIO-3 panel to instruments at analyzer monitor station and repull new eighteen (18) TSP wires in existing 2" conduit. Reconnect tsp wires at ammonia and pH analyzer and at the RIO-3 panel. Coordinate with CC Controls for wire terminations at the terminal blocks. CC Controls will modify the existing RIO-3 panel for new I/O cards and surge arrestors.
3. Remove existing 3/4" exposed conduit (for TSP wires) between junction box to existing Hach CL 17 analyzers. Provide and install new 2-1" aluminum conduits from junction box to new Prominent controller junction box. Each 1" aluminum conduits shall carry 3-TSP wires. The entire Prominent controller back plate and junction boxes shall be provided by CC Controls.
4. Coil 2 feet extra remaining spare TSP wires up in the existing junction box for future ammonia analyzer. (3-TSP for existing ammonia analyzer, 1-TSP for existing pH analyzer, 3-TSP for primary Prominent controller-A, 3-TSP for secondary Prominent controller-B, 3-TSP for backup Prominent controller-C, 3-TSP for backup prominent controller-D, 2-TSP spare for future ammonia analyzer, total of 18-TSP wires).
5. Modify existing 120V (3/4"C, 2#12, 1#12G) circuit at existing junction boxes at Hach CL 17 back plate to terminate at new junction boxes at Prominent controller back plate. See revision on drawing E-16 and E-18.

Cyber Electric of Central Fl. Inc.

3384 NW 18 th st.  
Okeechobee, Florida 34972  
United States

Reference	Cyber C/O # 5
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Supplied and installed by others connection only.

1. Provide four sets of new prominent controller with pH, temperature, and free chlorine sensors as shown on M-21 drawing with new backplate. Match the existing mounting holes at the existing plate at analyzer monitor station so that new panel can be installed without extended down time.
2. Provide four new 316 stainless steel junction boxes with 120V breaker, terminal blocks, LA, SA for 4-20 mA signals (3 signals per each junction box) similar to existing and mount them above the Prominent controller.
3. Install flexible conduits and wires from new junction boxes to associated controller.
4. The new mounting back plate with instrument shall be factory pre-fabricated and ready to connect external 120V power feed and 4-20 mA signals as well as sample and drain pipes.
5. Furnish and install two new analog input cards (match existing model) and connect both primary Prominent controllers to one card and both backup controllers to another card. Make all necessary modification in the panel, including adding surge arrestors (SA), terminal block, etc.

1/2"BUSHING GRD G-STEEL	6	44.33	0.19
1" MEASURE CUT & THREAD LABOR-RMC-GALV	10	3.38	
1" CONDUIT-RMC-ALUM	20	79.09	1.50
1" ELBOW 90 DEG-RMC-ALUM	8	285.00	2.64
1" CONN THRD HUB INSUL W/ GRD LUG-RMC-ALUM	4	40.88	0.84
1" TYPE LB STD CONDUIT BODY W/ CVR & GSKT-RMC-ALUM	8	166.00	7.20
1" TYPE T STD CONDUIT BODY W/ CVR & GSKT-RMC-ALUM	8	194.32	9.36
1" 2-PC STRUT CLAMP RMC/IMC-STEEL	10	24.10	0.90
1/2"FLEX-LIQUID TIGHT METALLIC-GRAY	30	34.80	1.75
1/2"CONN STRAIGHT-LIQUID TIGHT DIE CAST	6	22.73	1.35
1/2"CONN 90 DEG INSUL-LIQUID TIGHT DIE CAST	6	42.59	1.35
#16/2CC-TC SHLD	1,500	2,700.00	21.60
#16/2CC-TC+SHLD	5,500	9,900.00	79.20
WIRE CONN RED (#16 TO #10)	24	3.50	2.52
3/8" POLY ROPE(M)	240	73.70	1.08
WIRE PULLING LUBRICANT(QUART)	12	84.65	36.00
DUCT SEAL (1-LB)	4	23.84	1.80
OPERATOR STATION	6	20.28	
#16 WIRE CONTROL TERM	180	19.80	
DEMO UP TO 1" RMC & WIRE	20	1.05	

Total Materials = \$ 15,019.68

Total Labor 238.5 Mn/hrs @ 80 per Mn/hr = \$ 19,080.00

Profit @ 7.5  
O/H @ 7.5

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3384 NW 18 th st.  
Okeechobee, Florida 34972  
United States

Reference            Cyber C/O # 5  
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Total Quoted Price = \$ 39,400.00

Proposal excludes the following:

- 1] Patching or repair of any Concrete / Pavement / Landscaping / or any other existing structures.
- 2] Any overtime or work to be performed outside of our regular 4 day 10 hour work week. 7 a.m. to 5. p.m.
- 3] Concrete/ Rebar or Pumping of concrete.
- 4] Clean up or Removal of any hazardous waste.
- 5] Underground obstructions and the work it takes to get around or thru them.
- 6] Existing unforeseen on site conditions.
- 7] Any impact fees/state fees/Utility fees ( I.E. FPL or Glades elect. ) not shown in the above quote.
- 8] Bonding Cost if required.
- 9] Any engineering of plans provided by the owner/engineer and used for quoting with out the proper compensation for such work.
- 10] We take no responsibility for fiber optic cables that are supplied by others and installed by Cyber. Unless the cable is tested to show no damage before we install it.

Summary	Total (\$)
Subtotal	39,400.00
Total	\$39,400.00

Terms

Our price is valid for 10 days and subject to changes any time thereafter. ANY changes from the plans that were used for estimating the cost of said project will only be performed upon a signed and received change order to our office. (467 - 8367 Fax] The work will be performed @ T&M rates of \$ 80.00/ per man hour and 20 % on materials. We require 30% upon acceptance of the proposal / 50% upon completion of rough construction / The final 20% is due upon completion of our quoted work. Due to the rising cost of our materials we reserve the right to adjust our quoted materials to meet the current cost at the time of purchase. Which will then be added to the total quoted cost for the project as a change order.

Rep. Name:

Date:

Signature:

I hereby propose the above described work.

Client Name:

Date:

Signature:

I hereby acknowledge the satisfactory completion of the above described work.

QUOTATION

TriNova Inc.  
2401 Drane Field Road  
Lakeland, FL 33811  
US  
863-682-4500



Quote Number	
1001452	
Quote Date	Page
5/4/2018 00:00:00	1 of 2

Quote Expires On 6/3/2018

**Bill To:**  
Globaltech 13t  
6001 Broken Sound Parkway Nw  
Suite 610  
Boca Raton, FL 33487  
US  
(561) 997-6433

**Ship To:**  
Globaltech 13t  
6001 Broken Sound Parkway Nw  
Suite 610  
Boca Raton, FL 33487  
US

Requested By: Troy Lyn

**Customer ID:** 14347

<i>Terms</i>	<i>Shipping</i>	<i>Customer Service Rep</i>
Net 30		ED.FERNANDEZ

<i>Quantities</i>			<i>Item ID</i> <i>Item Description</i>	<i>Unit Price</i>	<i>Extended Price</i>
<i>Line</i>	<i>Ordered</i>	<i>UOM</i> <i>Unit Size</i>			

**Order Note:** Delivery: 2-4 Weeks ARO

1	4.00	EA	1049063	5,500.0000	22,000.00
		1.0	ProMinent		

**Order Line Notes:** DAC Free Cl, 10ppm pkg

ProMinent - DAC Free Chlorine Residual  
Analyzer/Controller Package

DAC controller: DACbW006VA4020010010EN  
Sensor Housing: DGMA42IT010.  
Chlorine Sensor (CLE): 0 - 10 PPM

pH sensor (PHED)  
Resistance Thermometer - PT 100 SE  
Pressure Regulating Valve  
Needle Valve  
Sample Valve  
Bubble Diffuser  
All Necessary wiring

2	4.00	EA	1038014	2,929.1500	11,716.60
		1.0	ProMinent		

Chlorine-bromine sensor CBR 1-mA-10 ppm

QUOTATION

TriNova Inc.  
2401 Drane Field Road  
Lakeland, FL 33811  
US  
863-682-4500



Quote Number	
1001452	
Quote Date	Page
5/4/2018 00:00:00	2 of 2

Quote Expires On 6/3/2018

Quantities			Item ID Item Description	Unit Price	Extended Price
Line	Ordered	UOM Unit Size			

Total Lines: 2

**SUB-TOTAL:** 33,716.60  
**TAX:** 0.00  
**AMOUNT DUE: \$ 33,716.60**

# **rj Sullivan Corp.**

GENERAL CONTRACTOR

May 16, 2017

Vince Riccobono, P.E.  
Palm Beach County Water Utilities Department  
8100 Forest Hill Boulevard  
West Palm Beach, FL 33413

Re: WUD 13-022 WTP #8 Anion Exchange System

Subject: Authorized Signature

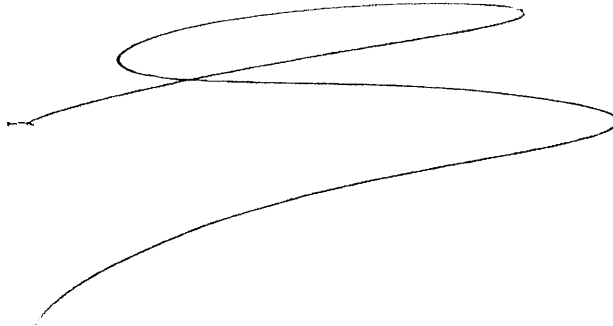
Dear Vince,

This letter serves as written authorization for William G. Pulsford, Project Manager, to sign pay requests and other contract instruments on behalf of R. J. Sullivan Corp. for the above referenced project.

Sincerely,



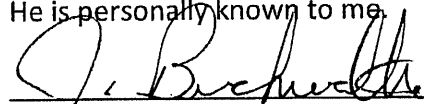
Casey R. Sullivan  
President  
R. J. Sullivan Corp.



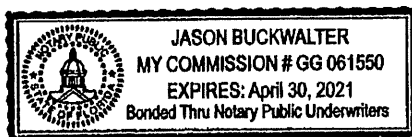
State of Florida  
County of Broward

Subscribed and affirmed before me on May 16, 2017 by Casey R. Sullivan

He is personally known to me.



Notary Public Signature and Seal



2001 N.W. 22nd Street • Pompano Beach, FL 33069  
Phone 954-975-0388 • Fax 954-975-3333



Summary of Certificates

This report displays detailed Certificate of Insurance information for a selected Insured. Any items shown in red are deficient.

Thursday, July 12, 2018

- Simple View
- Certificate Images
- Documents
- Call Log

Insured: R J Sullivan Corp. Insured ID: WUD13-022-PBC

Status: Compliant (with overrides)

ITS Account Number: PLC2032

Project(s): Palm Beach County - Water Utilities

Insurance Policy	Required	Provided	Override
<u>General Liability</u>			
Expiration: 12/28/2018			
General Aggregate:	\$1,000,000	\$2,000,000	
Products - Completed Operations Aggregate:	\$1,000,000	\$2,000,000	
Personal And Advertising Injury:	\$0	\$0	
Each Occurrence:	\$1,000,000	\$1,000,000	
Fire Damage:	\$0	\$0	
Medical Expense:	\$0	\$0	
<u>Automobile Liability</u>			
Expiration: 12/28/2018			
	All Owned Autos	Any Auto not provided	X
	Hired Autos	not provided	X
	Non-Owned Autos	not provided	X
Combined Single Limit:	\$1,000,000	\$1,000,000	
<u>Workers Compensation/Employers Liability</u>			
Expiration: 1/1/2019			
Each Accident:	\$100,000	\$500,000	
Disease - Policy Limit:	\$500,000	\$500,000	
Disease - Each Employee:	\$100,000	\$500,000	
<u>Builders Risk</u>			
	All-Risk, Replacement Cost, Completed Value Form	not provided	X
	Waiver of Occupancy Clause Coverage	not provided	X
	Loss Payee Endorsement	not provided	X
<u>Inland Marine/Transit Insurance</u>			
	Additional Insured Endorsement	not provided	X
	Loss Payee Endorsement	not provided	X

Missing Policy Information

Override

The original Certificate of Insurance received did not include policies for the following coverages:

- **Builders Risk** **X**
- **Inland Marine/Transit Insurance** **X**

**Additional Insured** **Override**

**Missing Builders Risk Additional Insured Endorsement** **X**

**Notifications (Show All)**

**There were no deficiency letters issued.**

**Do you have an updated Certificate? Click the button below to submit a Certificate.**

Certificate Submittal