

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: January 14, 2014

Consent Regular
Public Hearing

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Change Order No. 1 to the Contract with Foster Marine Contractors, Inc. (R2011-1950) for the Water Treatment Plant No. 9 Surficial Wells Project in the amount of \$191,125.57 with a time extension of 149 days.

Summary: On December 6, 2011, the Palm Beach County Board of County Commissioners approved the Contract for the Water Treatment Plant No. 9 Surficial Wells Project, in the amount of \$3,347,441.50 with Foster Marine Contractors, Inc. (R2011-1950). This Change Order authorizes and provides for final quantity adjustments and changes necessitated by construction conditions. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15% overall. This Change Order includes zero overall participation. The cumulative SBE participation, including this Change Order is 16.89% overall. Foster Marine Contractors is a local company. (WUD Project No. 09-049) District 5 (JM)

Background and Justification: This new Well Field supplements existing well fields for Water Treatment Plant No. 9. This change order provides for final quantity adjustments and additional well development to satisfy specified water quality and well performance.

Attachments:

- 1. Location Map
- 2. Two (2) Original Change Order No. 1

Recommended By:  12/18/13
Department Director Date

Approved By:  1/7/14
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	<u>\$191,125.57</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$191,125.57</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
 # ADDITIONAL FTE POSITIONS (Cumulative)	 <u>0</u>	 <u>0</u>	 <u>0</u>	 <u>0</u>	 <u>0</u>

Budget Account No.: Fund 4011 Dept 721 Unit W004 Object 6541

Is Item Included in Current Budget? Yes X No

Reporting Category N/A

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

One (1) time capital expenditure from Water Utilities Department user fees, connection fees and balance brought forward.

C. Department Fiscal Review: See Equity Report

III. REVIEW COMMENTS

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

MB 12/20
OFMB 12/19

Dr. J. Jacobson 1/6/14
Contract Development and Control
1-3-14 B.W. Wick

B. Legal Sufficiency:

James M. [Signature] 1/7/14
Assistant County Attorney

C. Other Department Review:

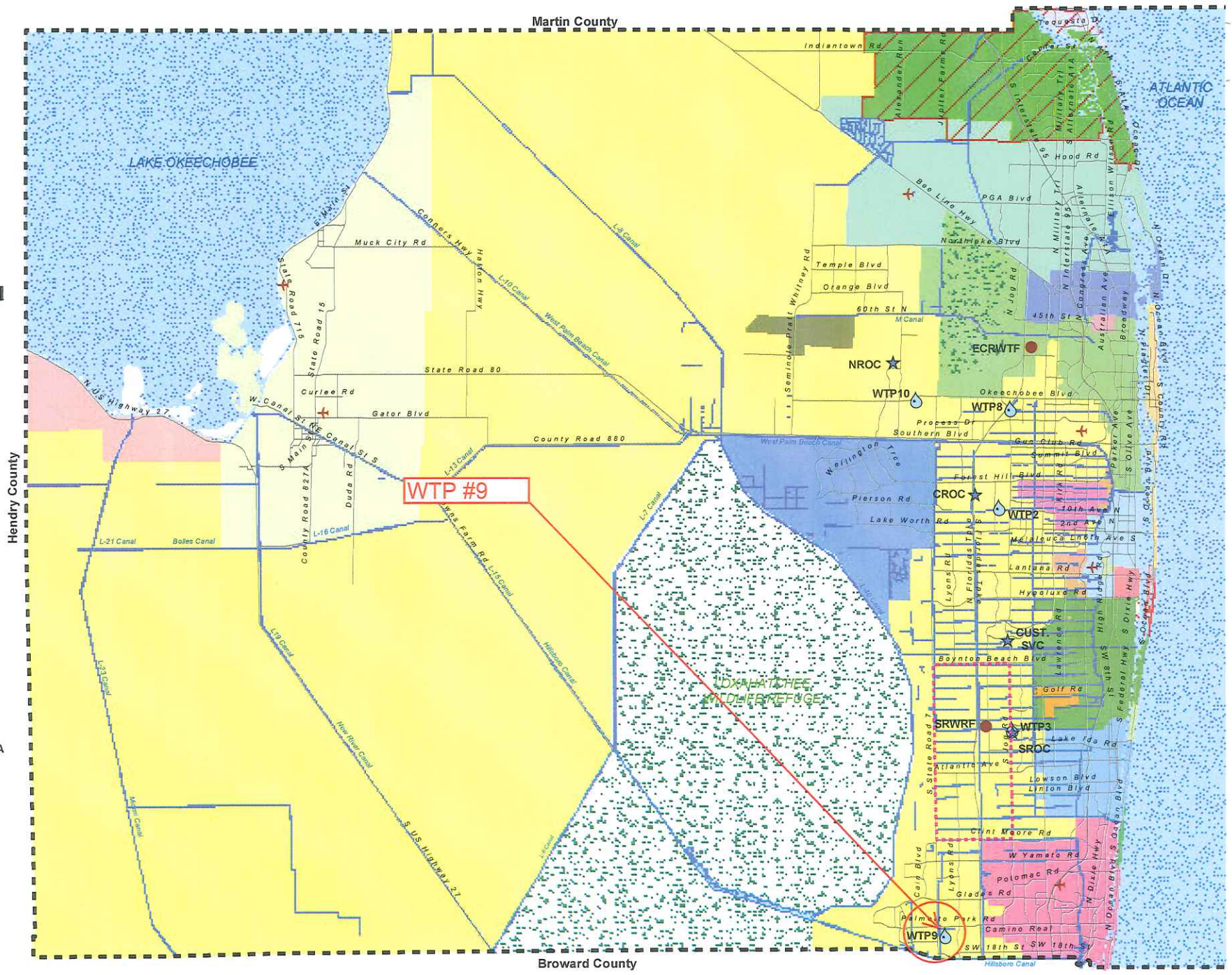
Department Director



**Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities**

Attachment 1

- Legend**
- MANDATORY RECLAIMED SA
 - Water Treatment Facility
 - Administration
 - Water Reclamation Facility
 - COUNTY LIMITS
 - P.B.C.W.U.D. SA



Martin County

Hendry County

Broward County

ATLANTIC OCEAN

WTP #9

SRWRF

WTP3

SROC

CUST. SVC.

WTP2

CROC

WTP8

WTP10

NROC

ECRIWTF

INDIAN HATCHEE
NATIONAL WILDLIFE REFUGE

LAKE OKEECHOBEE

NOT TO SCALE

**WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1**

Contractor:
Foster Marine Contractors, Inc.
1550 Southern Blvd., Suite 100
West Palm Beach, FL 33406

**WATER UTILITIES DEPARTMENT
CONTRACT NO. R2011-1950
CONTRACT DATE: December 6, 2011
NOTICE TO PROCEED: DEC 19, 2011
BUDGET FUND#: 4011-721-W003-6541**

DISTRICT: 5

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

1. Provide all labor and material for additional civil, mechanical, electrical and related trade work as described in the attached Scope of Work and Cost Summary (Lump Sums), all in accordance with the Contract Documents.

\$191,125.57

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS 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.....	\$3,347,441.50
Net change by previous Change Orders	-0-
The Contract Sum prior to this Change Order was	\$3,347,441.50
The Contract Sum will be increased by this Change Order.....	\$ 191,125.57
The new Contract Sum including this Change Order will be	\$3,538,567.07
The Contract time will be increased by.....	149 days
The Date of Substantial Completion including this Change Order:	<u>484 days from NTP</u>
The Date of Final Completion including this Change Order:.....	<u>514 days from NTP</u>

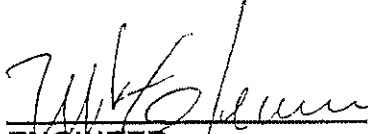
EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES, ALL CLAIMS FOR COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE-STATED MODIFICATION(S) INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY, OR INCIDENT TO SUCH MODIFICATIONS AND INCLUDING ANY CLAIM THAT THE ABOVE STATED MODIFICATION(S) CONSTITUTES IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1

Palm Beach County
Water Utilities Dept.

Foster Marine
Contractors, Inc.

Palm Beach County



ENGINEER
Michael K. Gleman, P.E.
Project Manager
ADDRESS
P.O. Box 16097
West Palm Beach, FL 33416

DATE 11/27/13



CONTRACTOR
Kevin Schwiderson,
President
ADDRESS
1550 Southern Blvd, Suite 100
WPB, FL 33406

DATE 11/27/13

OWNER
Priscilla A. Taylor, Mayor
Palm Beach County BCC
ADDRESS
301 N. Olive Ave.
West Palm Beach, FL 33401

DATE _____

Approved as to Form and Legal Sufficiency

By: _____
County Attorney

Attest: Sharon R. Bock, Clerk and Comptroller

By: _____
Deputy Clerk

WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1

SCOPE OF WORK
(ALL AS LUMP SUM)

Provide all labor and material for additional well development and related trade work as described herein and the Cost Summary, all in accordance with the Contract Documents as follows:

Make final adjustments to material and labor quantities (over runs/under runs) to close out Contract.

Provide and install labor and equipment for additional well development and associated well construction, all as provided by Contract (over runs).

JUSTIFICATION

Additional well development and construction required to meet well performance specifications per Contract and make final close-out adjustments to Contract quantities.

CHANGE ORDER CATEGORIZATION(S)

OWNER INITIATED

QUANTITY OVER-RUNS/UNDER-RUNS

DIFFERING SITE CONDITIONS

REQUEST BY OTHER AGENCY/OUTSIDE

ZONING/CODE/ORDINANCE CHANGES

A. REIMBURSABLE

ERRORS/OMISSIONS/IN DESIGN

B. NON-REIMBURSABLE

WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1

COST SUMMARY

(ALL AS LUMP SUM)

<u>C.O. #</u>	<u>DESCRIPTION</u>	<u>ADDITIONS (DELETIONS)</u>	<u>NET CHANGE</u>
1	Additional Well Development	\$161,550.00	\$161,550.00
1	Additional Well Construction	\$ 80,910.00	\$ 80,910.00
1	Deduct Concrete Driveways	(\$1,087.00)	(\$ 1,078.00)
1	Deduct Mill/resurface Asphalt	(\$12,852.15)	(\$12,852.15)
1	Deduct Concrete Curb Replacement	(\$16,280.00)	(\$16,280.00)
1	Deduct Misc. Contract Items - See Attachment "A"	(\$21,124.28)	(\$21,124.28)
Total:			<u>\$191,125.57</u>

This Change Order #1 settles all Cost Claims, Cost Changes and time extension requests through the date of this change order for the work described herein.

**WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1**

SCHEDULE 1

PARTICIPATION OF SBE/MWBE CONTRACTORS

PROJECT NAME: Sys 9 Surficial Production Wells

PROJECT NO. WUD 09-049

NAME OF PRIME CONTRACTOR: Foster Marine Contractors, Inc.

CHANGE ORDER NO. 1

CONTACT PERSON: Kevin Schwiderson PHONE NO: (561) 683-0034

FAX NO: _____

CONTRACT DATE: December 6, 2011

DEPARTMENT: Water Utilities

Name, Address and Phone Number of M/WBE	Type of Work To Be Performed	Contract Amount			
		Black	Hispanic	Women	Other (Please Specify)
1. - NONE -		\$	\$	\$	\$
2.		\$	\$	\$	\$ 0
3.		\$	\$	\$	\$ 0
4.		\$	\$	\$	\$ 0
5.		\$	\$	\$	\$ 0
TOTALS		\$ 0	\$ 0	\$ 0	\$ 0

PRIME CONTRACTOR TO COMPLETE:

ORIGINAL CONTRACT PRICE: \$3,347,441.50 ORIGINAL PARTICIPATION: 16.90% overall SBE

ADJUSTED CONTRACT PRICE: \$3,538,567.07 ADJUSTED PARTICIPATION: 16.00% overall SBE

**WATER TREATMENT PLANT NO. 9 SURFICIAL PRODUCTION WELLS
PROJECT NO. WUD 09-049
CHANGE ORDER NO. 1**

PROJECT:	WTP#9 Surficial Production Wells	<u>APPROVAL LIMITS:</u>							
CONTRACTOR:	Foster Marine Contractors, Inc. 1550 Southern Blvd., Suite 100 West Pam Beach, FL 33406	DEPARTMENT HEAD		CONTRACT REVIEW COMMITTEE		DEPARTMENT HEAD PLUS CONTRACT REVIEW COMMITTEE			
PROJECT NO.:	WUD 09-049								
RESOLUTION:	R2011-1950		(Amount)	(Days)	(Amount)	(Days)	(Amount)	(Days)	
DATE APPROVED:	Dec. 6, 2011	INDIVIDUAL C.O.	\$10,000.00	40 Days	\$50,000.00	200 Days	\$60,000.00	240 Days	
CONTRACT AMOUNT:	3,347,441.50	CUMMULATIVE C.O.	\$25,000.00	100 Days	\$75,000.00	300 Days	\$100,000.00	400 Days	

C.O. #	DATE APPROVED	NET CHANGE	DEPARTMENT HEAD		CONTRACT REVIEW COMMITTEE		TOTAL DEPT. HEAD & CONTRACT REVIEW COMM.		BOARD OF COUNTY COMMISSIONERS		TOTALS
			(ADDS PLUS DEDUCTS) AMOUNT	(ADDS PLUS DEDUCTS) DAYS	(ADDS PLUS DEDUCTS) AMOUNT	(ADDS PLUS DEDUCTS) DAYS	(ADDS PLUS DEDUCTS) AMOUNT	(ADDS PLUS DEDUCTS) DAYS	(ADDS PLUS DEDUCTS) AMOUNT	(ADDS PLUS DEDUCTS) DAYS	
1	PENDING	\$191,125.57	0	0	0	0	0	0	PENDING	149	\$191,125.57
TOTALS:		\$191,125.57	0	0	0	0	0	0	PENDING	149	\$191,125.57



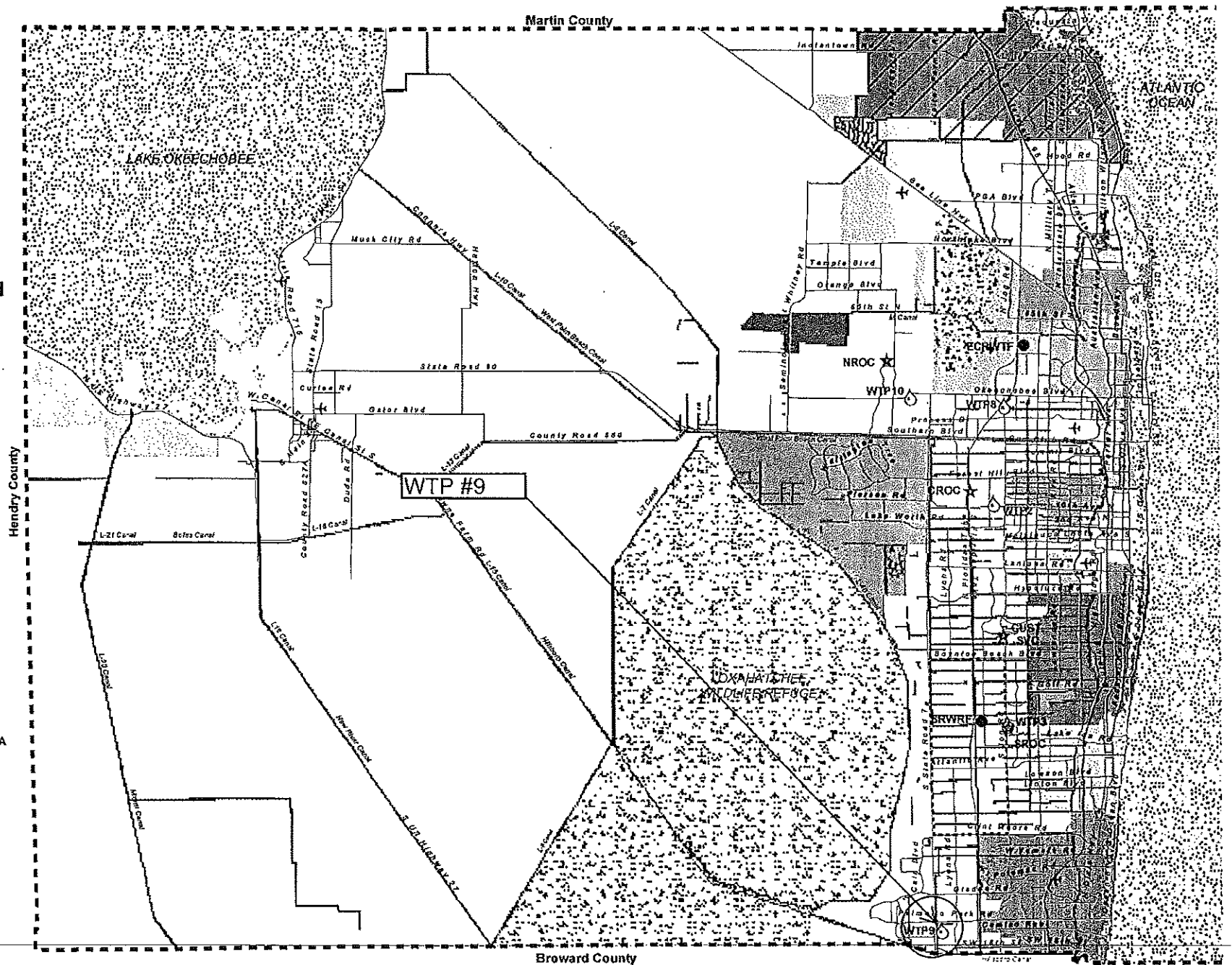
**Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities**

Legend

- MANDATORY RECLAIMED SA
- 💧 Water Treatment Facility
- ★ Administration
- Water Reclamation Facility
- - - COUNTY LIMITS
- P.B.C.W.U.D. SA



NOT TO SCALE



CONTRACTOR NAME: FOSTER MARINE CONTRACTORS, INC.

FOSTER MARINE CONTRACTORS, INC.

PROJECT NUMBER: WUD 09-049

Water Treatment Plant No. 9

PROJECT NAME: Surficial Production Wells No. 26, 27, 28, 29, 30 & 31.

ITEM NO.	DESCRIPTION	Quantity		Original Contract Award		Previous Billing Amount (Through Payment Application # 18)		Quantity Adjustments		Final Contract Amount (Including Quantity and Unit Price Increases)	
		EST. QTY.	UNIT	Unit Price	Total	Quant / %	Amount	EST. QTY.	UNIT	Unit Price	Total
Schedule A—General Requirements											
A-1	Bonds and Insurance	1	LS	\$ 35,700.00	\$ 35,700.00	100.00%	\$ 35,700.00	1	LS	\$ 35,700.00	\$ 35,700.00
A-2	Mobilization / Demobilization / General Conditions	1	LS	\$ 136,785.00	\$ 136,785.00	100.00%	\$ 136,785.00	1	LS	\$ 136,785.00	\$ 136,785.00
A-3	Maintenance of Traffic	1	LS	\$ 26,400.00	\$ 26,400.00	100.00%	\$ 26,400.00	1	LS	\$ 26,400.00	\$ 26,400.00
A-4	General Allowance	1	LS	\$ 25,000.00	\$ 25,000.00	92.81376%	\$ 23,203.44	1	LS	\$ 25,000.00	\$ 23,409.64
A.	Sub-Total Schedule A				\$ 223,885.00	99.2%	\$ 222,088.44				\$ 222,294.64
Schedule B—Well Construction											
B-1	Drill Nominal 8-inch Pilot Hole and Geophysical Logging (9W-26 & 9W-29)	300	FT	\$ 42.00	\$ 12,600.00	300.00	\$ 12,600.00	300	FT	\$ 42.00	\$ 12,600.00
B-2	Furnish, Install 30-inch steel surface casing and cement in place.	6	EA	\$ 12,600.00	\$ 75,600.00	6.00	\$ 75,600.00	6	EA	\$ 12,600.00	\$ 75,600.00
B-3	Drill Nominal 30-inch borehole	600	FT	\$ 105.00	\$ 63,000.00	340.00	\$ 35,700.00	340	FT	\$ 105.00	\$ 35,700.00
B-4	Furnish and Install 24-inch PVC casing	600	FT	\$ 105.00	\$ 63,000.00	580.00	\$ 60,900.00	580	FT	\$ 105.00	\$ 60,900.00
B-5	Cement Grout 24-inch Casing	1,080	Sacks	\$ 16.80	\$ 18,144.00	1,320.00	\$ 22,176.00	1,320	Sacks	\$ 16.80	\$ 22,176.00
B-6	Drill Nominal 22-inch Borehole with Reverse Air	180	FT	\$ 105.00	\$ 18,900.00	208.00	\$ 21,840.00	208	FT	\$ 105.00	\$ 21,840.00
B-7	Install 16-inch screen (30 ft/well)	180	FT	\$ 368.00	\$ 66,240.00	198.00	\$ 72,864.00	198	FT	\$ 368.00	\$ 72,864.00
B-8	Install 16-inch PVC riser	600	FT	\$ 73.00	\$ 43,800.00	592.00	\$ 43,216.00	592	FT	\$ 73.00	\$ 43,216.00
B-9	Install Gravel Pack	1,500	CF	\$ 21.00	\$ 31,500.00	1,625.50	\$ 34,135.50	1,625.50	CF	\$ 21.00	\$ 34,135.50
B-10	Develop Well	900	HR	\$ 105.00	\$ 94,500.00	1,108.00	\$ 116,340.00	1,138	HR	\$ 225.00	\$ 256,050.00
B-11	Conduct Step Rate Test (4-2hr test/well)	48	HR	\$ 262.00	\$ 12,576.00	50.00	\$ 13,100.00	50	HR	\$ 262.00	\$ 13,100.00
B-12	Conduct Constant Rate Test (8hr/well)	48	HR	\$ 262.00	\$ 12,576.00	50.00	\$ 13,100.00	50	HR	\$ 262.00	\$ 13,100.00
B-13	Conduct Video Logging	6	EA	\$ 1,050.00	\$ 6,300.00	6.00	\$ 6,300.00	6	EA	\$ 1,050.00	\$ 6,300.00
B-14	Disinfect and sample well	6	EA	\$ 5,250.00	\$ 31,500.00	6.00	\$ 31,500.00	6	EA	\$ 5,250.00	\$ 31,500.00
B-15	Extra work by drilling crew drilling equipment	24	HR	\$ 210.00	\$ 5,040.00	126.50	\$ 26,565.00	382.00	HR	\$ 225.00	\$ 85,950.00
B-16	Extra work by drilling crew	24	HR	\$ 105.00	\$ 2,520.00	27.50	\$ 2,887.50	27.50	HR	\$ 105.00	\$ 2,887.50
B-17	Standby time with rig and drilling rig on-site	24	HR	\$ 105.00	\$ 2,520.00	0.00	\$ -	-	HR	\$ 105.00	\$ -
B-18	Standby time with rig on-site and crew off-site	24	HR	\$ 52.00	\$ 1,248.00	0.00	\$ -	-	HR	\$ 52.00	\$ -
B-19	Formation Fluids Disposal (Check Option 1 ____ Option 2 <input checked="" type="checkbox"/>).	1	LS	\$ 7,524.00	\$ 7,524.00	100.00%	\$ 7,524.00	1	LS	\$ 7,524.00	\$ 7,524.00
B.	Sub-Total Schedule B				\$ 569,088.00	104.8%	\$ 596,348.00				\$ 795,443.00
Schedule C—Finished Well Head and Site Work											
C-1	Site Clearing and Disposal	6	EA	\$ 3,410.00	\$ 20,460.00	6.00	\$ 20,460.00	6	EA	\$ 3,410.00	\$ 20,460.00
C-2	Compacted Fill	375	CY	\$ 33.00	\$ 12,375.00	556.00	\$ 18,348.00	556	CY	\$ 33.00	\$ 18,348.00

CONTRACTOR NAME: FOSTER MARINE CONTRACTORS, INC.

FOSTER MARINE CONTRACTORS, INC.

PROJECT NUMBER: WUD 09-049

Water Treatment Plant No. 9

PROJECT NAME: Surficial Production Wells No. 26, 27, 28, 29, 30 & 31

A.		Quantity		Original Contract Award		Previous Billing Amount (Through Payment Application # 10)		Quantity Adjustments		Final Contract Amount (Including Quantity and Unit Price Increases)	
				\$	\$		\$			\$	\$
C-3	Well Pump Assembly	6	AS	\$ 49,580.00	\$ 297,480.00	6.00	\$ 297,480.00	6	AS	\$ 49,580.00	\$ 297,480.00
C-4	Well Piping Assembly	6	AS	\$ 15,385.00	\$ 92,310.00	6.00	\$ 92,310.00	6	AS	\$ 15,385.00	\$ 92,310.00
C-5	Concrete Pads for Wells and Transformers	76	CY	\$ 255.00	\$ 19,380.00	78.30	\$ 19,966.50	78.30	CY	\$ 255.00	\$ 19,966.50
C-6	Site Fencing and Gates (Black Vinyl w/Slats)	542	LF	\$ 56.00	\$ 30,352.00	542.00	\$ 30,352.00	542	LF	\$ 56.00	\$ 30,352.00
C-7	Site Restoration (Finish Grading & Sod)	6	EA	\$ 1,185.00	\$ 7,110.00	6.00	\$ 7,110.00	6	EA	\$ 1,185.00	\$ 7,110.00
C-8	6" Thick Concrete Paved Driveway	450	SY	\$ 39.00	\$ 17,550.00	153.00	\$ 5,967.00	284	SY	\$ 58.00	\$ 16,472.00
C-9	8" Stabilized Grass Access Drive	1,070	SY	\$ 3.50	\$ 3,745.00	1,070.00	\$ 3,745.00	1,070	SY	\$ 3.50	\$ 3,745.00
C.	Sub-Total Schedule C				\$ 500,762.00	99.0%	\$ 495,738.50				\$ 506,243.50
<i>Schedule D--Raw Watermain Construction</i>											
D-1	12" Raw Watermain--Directional Drill (HDPE)	60	LF	\$ 116.00	\$ 6,960.00	80.00	\$ 9,280.00	80	LF	\$ 116.00	\$ 9,280.00
D-2	12" DIP Raw Watermain (Restrained)	780	LF	\$ 60.00	\$ 46,800.00	811.00	\$ 48,660.00	811	LF	\$ 60.00	\$ 48,660.00
D-3	16" DIP Raw Watermain (Restrained)	235	LF	\$ 109.00	\$ 25,615.00	255.00	\$ 27,795.00	255	LF	\$ 109.00	\$ 27,795.00
D-4	16" DIP Raw Watermain (Unrestrained)	410	LF	\$ 80.00	\$ 32,800.00	437.00	\$ 34,960.00	437	LF	\$ 80.00	\$ 34,960.00
D-5	20" Raw Watermain--Directional Drill (HDPE)	700	LF	\$ 176.00	\$ 123,200.00	700.00	\$ 123,200.00	700	LF	\$ 176.00	\$ 123,200.00
D-6	20" DIP Raw Watermain (Restrained)	500	LF	\$ 121.00	\$ 60,500.00	585.00	\$ 70,785.00	585	LF	\$ 121.00	\$ 70,785.00
D-7	20" DIP Raw Watermain (Unrestrained)	465	LF	\$ 91.00	\$ 42,315.00	373.00	\$ 33,943.00	373	LF	\$ 91.00	\$ 33,943.00
D-8	24" DIP Raw Watermain (Restrained)	560	LF	\$ 135.00	\$ 75,600.00	453.00	\$ 61,155.00	453	LF	\$ 135.00	\$ 61,155.00
D-9	24" DIP Raw Watermain (Unrestrained)	1,670	LF	\$ 112.00	\$ 187,040.00	1,789.00	\$ 200,368.00	1,789	LF	\$ 112.00	\$ 200,368.00
D-10	30" DIP Raw Watermain (Restrained)	450	LF	\$ 215.00	\$ 96,750.00	440.00	\$ 94,600.00	440	LF	\$ 215.00	\$ 94,600.00
D-11	30" DIP Raw Watermain (Unrestrained)	240	LF	\$ 162.00	\$ 38,880.00	216.00	\$ 34,992.00	216	LF	\$ 162.00	\$ 34,992.00
D-12	12" HDPE Adapter	2	EA	\$ 300.00	\$ 600.00	2.00	\$ 600.00	2	EA	\$ 300.00	\$ 600.00
D-13	20" HDPE Adapter	4	EA	\$ 540.00	\$ 2,160.00	4.00	\$ 2,160.00	4	EA	\$ 540.00	\$ 2,160.00
D-14	12" Butterfly Valve	6	EA	\$ 1,175.00	\$ 7,050.00	6.00	\$ 7,050.00	6	EA	\$ 1,175.00	\$ 7,050.00
D-15	16" Butterfly Valve	4	EA	\$ 1,950.00	\$ 7,800.00	4.00	\$ 7,800.00	4	EA	\$ 1,950.00	\$ 7,800.00
D-16	20" Butterfly Valve	4	EA	\$ 3,800.00	\$ 15,200.00	4.00	\$ 15,200.00	4	EA	\$ 3,800.00	\$ 15,200.00
D-17	24" Butterfly Valve	1	EA	\$ 5,000.00	\$ 5,000.00	1.00	\$ 5,000.00	1	EA	\$ 5,000.00	\$ 5,000.00
D-18	36" x 30" Tapping Sleeve and Valve Assembly	1	AS	\$ 36,815.00	\$ 36,815.00	1.00	\$ 36,815.00	1	AS	\$ 36,815.00	\$ 36,815.00
D-19	Raw Watermain DIP Fittings and Accessories	21	TONS	\$ 3,300.00	\$ 69,300.00	17.5526	\$ 57,923.58	17.5526	TONS	\$ 3,300.00	\$ 57,923.58
D-20	Sample Points	7	EA	\$ 575.00	\$ 4,025.00	7.00	\$ 4,025.00	7	EA	\$ 575.00	\$ 4,025.00
D-21	Air Release Valve w/ Manhole	4	EA	\$ 7,869.00	\$ 31,476.00	4.00	\$ 31,476.00	4	EA	\$ 7,869.00	\$ 31,476.00
D-22	Air Release Valve w/Offset Manhole	3	EA	\$ 7,892.00	\$ 23,676.00	4.00	\$ 31,568.00	4	EA	\$ 7,892.00	\$ 31,568.00
D-23	Roadway Open Cut Pavement Replacement	3,400	SY	\$ 40.00	\$ 136,000.00	3,008.00	\$ 120,320.00	3,008	SY	\$ 40.00	\$ 120,320.00
D-24	Mill & Resurface Asphalt Pavement (1" Thick Min)	4,325	SY	\$ 9.70	\$ 41,952.50	1,423.00	\$ 13,803.10	1,423	SY	\$ 20.45	\$ 29,100.35
D-25	Concrete Curb and Gutter Replacement	2,800	LF	\$ 15.00	\$ 42,000.00	643.00	\$ 9,645.00	643	LF	\$ 40.00	\$ 25,720.00
D-26	Thermoplastic Pavement Striping and Reflective Markers	1	LS	\$ 13,900.00	\$ 13,900.00	100.00%	\$ 13,900.00	1	LS	\$ 13,900.00	\$ 13,900.00
D-27	Reconstruct Existing Sidewalk	60	SY	\$ 46.00	\$ 2,760.00	90.00	\$ 4,140.00	90	SY	\$ 46.00	\$ 4,140.00
D-28	Median Restoration--Lyons Road (Finish Grading, Sod & Tree Replacement)	600	LF	\$ 22.00	\$ 13,200.00	600.00	\$ 13,200.00	600	LF	\$ 22.00	\$ 13,200.00
D-29	Sod Replacement and Turf Restoration	2,050	SY	\$ 3.00	\$ 6,150.00	3,556.00	\$ 10,668.00	3,556	SY	\$ 3.00	\$ 10,668.00
D-30	1" Irrigation Tap at Well Site	6	EA	\$ 1,200.00	\$ 7,200.00	6.00	\$ 7,200.00	6	EA	\$ 1,200.00	\$ 7,200.00

CONTRACTOR NAME: FOSTER MARINE CONTRACTORS, INC.

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PROJECT NUMBER: WUD 09-049

Water Treatment Plant No. 9

PROJECT NAME: Surficial Production Wells No. 26, 27, 28, 29, 30 & 31.

A.		Quantity		Original Contract Award		Previous Billing Amount (Through Payment Application # 18)		Quantity Adjustments		Final Contract Amount (Including Quantity and Unit Price Increases)	
				\$	\$		\$			\$	\$
D-31	Polyethylene Encasement of Raw Watermain	100	LF	\$ 9.00	\$ 900.00	100.00	\$ 900.00	100	LF	\$ 9.00	\$ 900.00
D-32	6" DIP Watermain Relocation	1	LS	\$ 3,230.00	\$ 3,230.00	100.00%	\$ 3,230.00	1	LS	\$ 3,230.00	\$ 3,230.00
D	Sub-Total Schedule D				\$ 1,206,854.50	94.2%	\$ 1,136,361.68				\$ 1,167,733.93
<i>Schedule E--Electrical</i>											
E-1	Electrical System Complete (less VFD)	1	LS	\$ 347,237.00				1	LS	\$ 347,237.00	
E1.1	Directional Boring	1	LS	\$ 11,040.00	\$ 11,040.00	100.00%	\$ 11,040.00	1	LS	\$ 11,040.00	\$ 11,040.00
E1.2	Underground Distribution Conduit & Wiring	1	LS	\$ 114,435.00	\$ 114,435.00	100.00%	\$ 114,435.00	1	LS	\$ 114,435.00	\$ 114,435.00
E1.3	Well No 26	1	LS	\$ 34,765.00	\$ 34,765.00	100.00%	\$ 34,765.00	1	LS	\$ 34,765.00	\$ 34,765.00
E1.4	Well No 27	1	LS	\$ 26,930.00	\$ 26,930.00	100.00%	\$ 26,930.00	1	LS	\$ 26,930.00	\$ 26,930.00
E1.5	Well No. 28	1	LS	\$ 26,315.00	\$ 26,315.00	100.00%	\$ 26,315.00	1	LS	\$ 26,315.00	\$ 26,315.00
E1.6	Well No 29	1	LS	\$ 25,022.00	\$ 25,022.00	100.00%	\$ 25,022.00	1	LS	\$ 25,022.00	\$ 25,022.00
E1.7	Well No 30	1	LS	\$ 34,415.00	\$ 34,415.00	100.00%	\$ 34,415.00	1	LS	\$ 34,415.00	\$ 34,415.00
E1.8	Well No 31	1	LS	\$ 28,130.00	\$ 28,130.00	100.00%	\$ 28,130.00	1	LS	\$ 28,130.00	\$ 28,130.00
E1.9	Gear	1	LS	\$ 18,975.00	\$ 18,975.00	100.00%	\$ 18,975.00	1	LS	\$ 18,975.00	\$ 18,975.00
E1.10	Manholes	1	LS	\$ 12,190.00	\$ 12,190.00	100.00%	\$ 12,190.00	1	LS	\$ 12,190.00	\$ 12,190.00
E1.11	Testing	1	LS	\$ 15,020.00	\$ 15,020.00	100.00%	\$ 15,020.00	1	LS	\$ 15,020.00	\$ 15,020.00
E-2	VFD-ITT PumpSmart, Square D, Allen-Bradley, ABB, Yaskawa or Cutler Hammer (Eaton)	8	EA	\$ 8,446.00	\$ 67,568.00	8.00	\$ 67,568.00	8	EA	\$ 8,446.00	\$ 67,568.00
E-3	Instrumentation System Complete	1	LS	432,047.00				1	LS	432,047.00	
E3.1	Instrumentation System--Submittals	1	LS	13,000.00	\$ 13,000.00	100.00%	\$ 13,000.00	1	LS	13,000.00	\$ 13,000.00
E3.2	Magnetic Flowmeters	6	EA	8,108.333	\$ 48,650.00	6	\$ 48,650.00	6	EA	8,108.333	\$ 48,650.00
E3.3	Submersible Level Transmitters	6	EA	4,000.00	\$ 24,000.00	6	\$ 24,000.00	6	EA	4,000.00	\$ 24,000.00
E3.4	Pressure Transmitters	6	EA	4,325.00	\$ 25,950.00	6	\$ 25,950.00	6	EA	4,325.00	\$ 25,950.00
E3.5	Well Control Panels	6	EA	23,786.00	\$ 142,716.00	6	\$ 142,716.00	6	EA	23,786.00	\$ 142,716.00
E3.6	Well RTU Panels	6	EA	18,380.00	\$ 110,280.00	6	\$ 110,280.00	6	EA	18,380.00	\$ 110,280.00
E3.7	Well Transformer Panels	6	EA	2,163.00	\$ 12,978.00	6	\$ 12,978.00	6	EA	2,163.00	\$ 12,978.00
E3.8	Well Motor Terminal Boxes	6	EA	1,950.00	\$ 11,700.00	6	\$ 11,700.00	6	EA	1,950.00	\$ 11,700.00
E3.9	Well Breaker Panels	2	EA	15,140.00	\$ 30,280.00	2	\$ 30,280.00	2	EA	15,140.00	\$ 30,280.00
E3.10	Modifications to Existing Control Panel I / O-11	1	LS	3,785.00	\$ 3,785.00	100.00%	\$ 3,785.00	1	LS	3,785.00	\$ 3,785.00
E3.11	Spare Parts	1	LS	3,352.00	\$ 3,352.00	100.00%	\$ 3,352.00	1	LS	3,352.00	\$ 3,352.00
E3.12	Testing, Startup and Training	1	LS	5,356.00	\$ 5,356.00	100.00%	\$ 5,356.00	1	LS	5,356.00	\$ 5,356.00
E	Sub-Total Schedule E				\$ 846,852.00	100.0%	\$ 846,852.00				\$ 846,852.00
TOTAL	Total Schedules A, B, C, D and E				\$ 3,347,441.50	98.5%	\$ 3,297,388.62				\$ 3,538,567.07



**INTEROFFICE COMMUNICATION
PALM BEACH COUNTY**

**BUDGET AVAILABILITY STATEMENT
CHANGE ORDERS AND CONSULTANT SERVICES AUTHORIZATION**

DATE: December 12, 2013

TO: Bevin A. Beaudet, P.E., Director
Water Utilities Department

FROM: Guy Eggertsson, Fiscal Manager I
Finance and Administration
Water Utilities Department

JJA *Guy Eggertsson*

RE: Wtp9 New Production Wells
Foster Marine Contractors, Inc.
WUD Project No. 09-049

Change Order No. 1

FISCAL IMPACT ANALYSIS:

Five Year Summary of Fiscal Impact:

	2014	2015	2016	2017	2018
Capital Expenditures	\$191,125.57				
Operating Costs					
Days	0				

Is Item included in current budget? Yes X No ___

Budget Account Number:

Fund	Department	Unit	Object	Program	Period	Allocation
4011	721	W004	6541			100.00%

Recommended Sources of Funds/Summary of Fiscal Impact:

One-time capital expenditure to be funded from user fees and balances brought forward

d_rpt_bas_contract