### PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

### **AGENDA ITEM SUMMARY**

**Meeting Date:** 

**February 3, 2009** 

Consent [X]

Regular []

Public Hearing []

Submitted By: Submitted For:

Water Utilities Department Water Utilities Department

### I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Change Order No. 2 with Southeast Drilling Services, Inc. for the Systemwide Wellfield Improvement Project increasing the Contract (R2006-2473) by \$724,971 and increasing the contract time by 150 calendar days.

Summary: On November 21, 2006 the Board of County Commissioners approved the contract (R2006-2473) for the Systemwide Wellfield Improvement Project with Southeast Drilling Services, Inc. for the construction of four (4) new Surficial Aquifer wells at WTP 8, re-drilling of five (5) existing wells, replacement of two (2) dual zone monitoring wellheads at ECR, and installing new pumps, motors and mechanical and electrical equipment on seven (7) existing wells. Change Order No. 1, provided for four (4) additional wells at WTP 3, the re-drilling and enlargement of four (4) existing wells at WTP 9, the repair of existing Well 5 at WTP 3, plugging and abandonment of 20 pad monitoring wells at the deep injection well systems, and miscellaneous site work, wellheads, well casings, well screens, electrical issues. Change Order #2 provides for additional well development time (air and pump) above the allotted 40 hours provided for in the original contract to meet the well acceptance criteria specified in the Contract Documents, replacement of numerous pumps, motors, electrical wiring, modifications to electrical panels, and miscellaneous site work. The contract time is being increased by 150 calendar days to accommodate the additional time required for completion of the aforementioned tasks. Total Change Orders to date equals \$1,903,856. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15.0% overall. This Contract with Southeast Drilling Services, Inc. provides for SBE participation of 19.32% overall. Following execution of this Change Order the SBE participation will be 14.64%. Southeast Drilling Services, Inc. has been recently approved as a Small Business Enterprise. (WUD Project No. 05-041) District 2,3, & 6 JM

Background and justification: The expansion of the WUD Water Treatment Plants has created a need for additional wells and repair or re-drilling of a number of raw water wells. The additional development time is being added to this contract to meet the well acceptance criteria of one part per million sand production as specified in the contract documents. The replacement of pumps and motors and the miscellaneous electrical and pipe work result from broken or damaged items found during the construction and modifications of the wells combined with regulatory agency requirements resulting from the changes to existing facilities (wellhead and casing sizes and 480 volt electrical service). Southeast Drilling Services has also recently been approved as a SBE which will allow for SBE credit.

### Attachments:

- 1. Location Map
- 2. Two (2) Change Order #2

Recommended By:

Department Director

\_\_\_\_\_

Approved By:

Assistant County Administrator

Nato /

### II. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2009	2010	2011	2012	2013
Capital Expenditures External Revenues Program Income (County) In-Kind Match County	\$724,971.00 0 0 0	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u>
NET FISCAL IMPACT	<u>\$724,971.00</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.: Fun	d <u>4011</u> Dept	<u>721</u> Unit	<u>W006</u> O	bject <u>6541</u>	

Is Item Included in Current Budget? Yes X No \_\_\_\_

Reporting Category N/A

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

One-time capital expenditure from user fees and balance brought forward.

C. Department Fiscal Review: Julya M West

### III. REVIEW COMMENTS

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

OFMB TYPE 'EN

Legal Sufficiency:

В.

scietant County Attarnay

Contract Development and Control

This item complies with current County policies.

C. Other Department Review:

Purchasing Department Director

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



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

Attachment 1

### Legend

P.B.C.W.U.D. SA

---- MANDATORY RECLAIMED SA

- - • Palm Beach County Limits

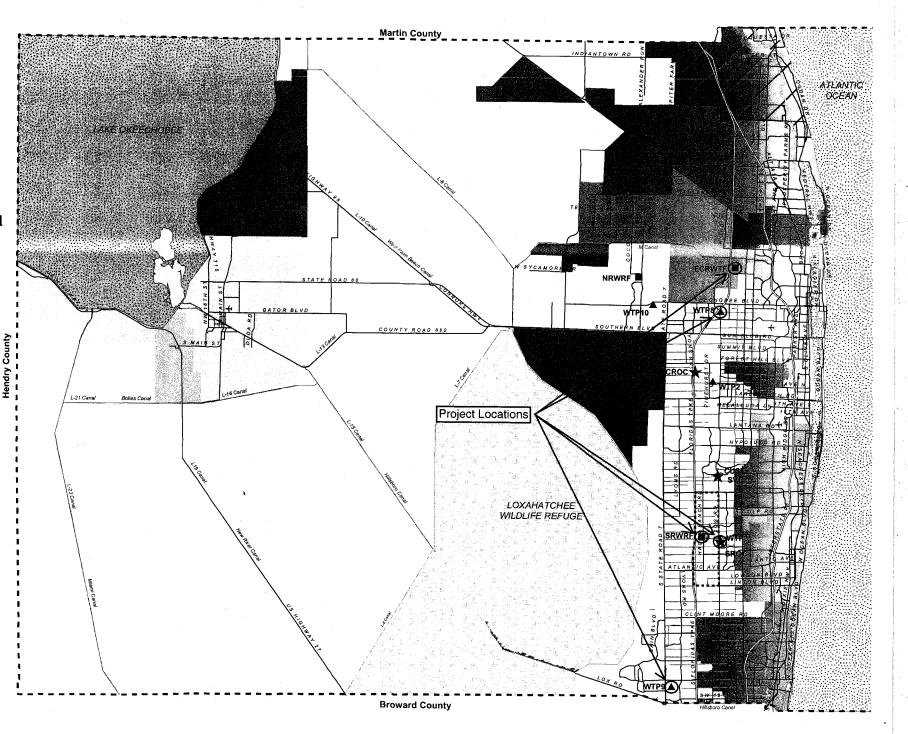
\* Administration

■ Water Reclaimation Facility

▲ Water Treatment Facility

Wetlands





Contractor: Southeast Drilling Services, Inc. P.O. Box 271723

Tampa, Florida 33688

Services, Inc.

CONTRACT NO. R2006-2473 CONTRACT DATE: 11/21/2006 NOTICE TO PROCEED: 1/17/2007

BUDGET LINE ITEM: 4011-721-W006-6541

DISTRICT NUMBER 2, 3, & 5

	DIOTHOP HOMBER 2, 3, & 3	
You 1.	are directed to make the following changes in this contract:  Replacement of the pump and motor in well 9W-3. This additional cost is	\$17,217.00
	itemized and described in the attached CPR-17 quote from Southeast Drilling Services, Inc.	Ψ17,217.00
2.	Replacement of the pump and motor in well 8W-7. This additional cost is itemized and described in the attached CPR-18 quote from Southeast Drilling Services, Inc.	\$8,685.00
3.	Modify starters for wells 8W-7 & 8W-15. These additional costs are itemized and described in the attached CPR-21 quote from Southeast Drilling Services, Inc.	\$8,618.00
4.	Modify wellheads for 8 WTP-3 wells for 6-inch Cert-O-Loc connections and installation of Stilling Wells and level transducers. These additional costs are itemized and described in the attached CPR-22 quote from Southeast Drilling Services, Inc.	\$40,462.00
5.	Modify well 8W-15 flowmeter from 8-inch to 6-inch. These additional costs are itemized and described in the attached CPR-23 quote from Southeast Drilling Services, Inc.	\$976.00
6.	Electrical modifications for Coral Lakes Wells at WTP-3 due to offset requirements from the PBC Building Department for changes in electrical requirements from 240 volt to 480 volt and add 30 days. These additional costs are itemized and described in the attached CPR-24 quote from Southeast Drilling Services, Inc.	\$46,457.00
7.	Replace motor electric cable from the MCC at WTP-9 to wellsite 9W-8. These additional costs are itemized and described in the attached CPR-25 quote from Southeast Drilling Services, Inc.	\$27,211.00
8.	Add an additional 20 feet of Cert-O-Loc column pipe to Wells 9W-3, 6, 7, & 8 to lower the pump intake for reduced pumping levels. These additional costs are itemized and described in the attached CPR-26 quote from Southeast Drilling Services, Inc.	\$5,246.00
9.	Replacement of motor and motor wire for well 8W-10 and modify wellhead for transducer installation. These additional costs are itemized and described in the attached CPR-27 quote from Southeast Drilling Services, Inc.	\$10,359.00
10.	Additional FPL fees for the 4 new wells at WTP-3 added in CO #1 (Wells 3W-19, 24, 30, & 31). These additional costs are itemized and described in the attached CPR-29 quote from Southeast Drilling Services, Inc.	\$10,384.00
11.	Install stainless steel foot valves in the 4 new WTP-3 wells (wells 3W-19, 24, 30, & 31). These additional costs are itemized and described in the attached CPR-30 quote from Southeast Drilling Services, Inc.	\$15,418.00
12.	Additional underground tie-ins at the 4 new WTP-3 wells (wells 3W-19, 24, 30, & 31) including dewatering and add 30 days. These additional costs are	\$61,513.00

itemized and described in the attached CPR-31 quote from Southeast Drilling

Jog Road and north of t	and magnetic tape from elections the new turnpike exit ramp to ized and described in the attacknown to the services. Inc.	well 8W-10. These	\$32,625.00
<ol> <li>Additional development ti</li> <li>40 hours allotted in the cocontract documents is les</li> <li>90 days. These add</li> </ol>	me (air and pump) for all new ontract. The well acceptance cr is than one part per million san itional costs are summarize	riteria specified in the d. Add an additional ed in the attached	\$574,800.00
development spreadsheet  15. Delete all Early Completion	t from Southeast Drilling Service	es, Inc.	
15. Delete all Early Completic	on Bonuses.	Total	(\$135,000.00) \$724,971.00
		Total	φ124,911.00
NOT VALID UNTIL SIGNED BY BOTH AGREEMENT HEREWITH INCLUDING ADDITIONAL COST OR TIME INDICATION	G ANY ADJUSTMENT IN THE CON	TRACT SUM OR CONTR.	FOR INDICATES HIS ACT TIME, AND NO
The original Contract Sum was:			\$4,095,000.00
Net change by previous Change			\$1,903,856.00
The Contract Sum prior to this	Change Order was:		\$5,998,856.00
The Contract Sum will be incre	ased by this Change Order:		\$724,971.00
The new Contract Sum includin	g this Change Order will be:		\$6,723,827.00
The Contract time will be increa			150 Days
The Date of Substantial Comple	etion including this Change Ord	er:	March 2, 2009
The Date of Final Completion in	icluding this Change Order:		<u> April 1, 2009</u>
EXECUTION OF THIS CHANGE ORD FOR COSTS AND TIME ASSOCIATE INCLUDING ALL CLAIMS FOR CUMINCIDENT TO SUCH MODIFICATIONS CONSTITUTES IN WHOLE OR PART,	D, DIRECTLY OR INDIRECTLY, W IULATIVE DELAYS OR DISRRUPT S AND INCLUDING ANY CLAIM TH	ITH THE ABOVE-STATED IONS RESULTING FROM IAT THE ABOVE STATED	MODIFICATION(S)
Palm Beach County Water	Southeast Drilling Services,	Palm Beach Cou	
Utilities Department ENGINEER	Inc. CONTRACTOR	Utilities Departme	ent
Brian Shields, P.E Deputy	W.B. Ziegler, V.P.	OWNER	Chairman Bud
Director	W.D. Ziegiei, V.I .	John F. Koons,	Chairman // ///
P.O. Box 16097	P.O. Box 271723	D.O. Bay 10007	
W. Palm Beach, FL 33416	Tampa, Florida 33688	P.O. Box 16097 W. Palm Beach,	EL 33/16
Address	Address /	Address	I'L 33410
The	MinA	Addicas	
Signature	Signature	Signature	
11131-9	//12/15/08	o griatar o	
Date	Date / / 3/ 93	 Date	
Approved as to form and legal	sufficiency Sharon R. E	Bock, Clerk & Comptr	oler
County Attorney	Deputy Cler	·k	

### **CHANGE ORDER CATEGORIZATION**

X OWNER INITIATED	X QUANTITY OVERRUNS/UNDER-RUNS
X DIFFERING SITE CONDITIONS	REQUEST BY ANOTHER AGENCY
ZONING/CODE/ORDINANCE CHANGE	S REIMBURSABLE
X ERRORS/OMISSIONS IN DESIGN	NON-REIMBURSABLE

### SCHEDULE 1

### PARTICIPATION OF SBE/MWBE CONTRACTORS

PROJECT NAME: Systemw	<u>vide Wellfield Improvemen</u>	its			PROJECT NO. WUE	0 05-041
NAME OF PRIME CONTRA	CTOR: Southeast Dri	illing Ser	vices, Inc		CHANGE ORDER N	O. <u>2</u>
CONTACT PERSON: Bart 2	Ziegler, President	PHONE	NO: <u>561-4</u>	<u>93-9832</u>	FAX NO: <u>561-493-15</u>	540
CONTRACT DATE: Novem	ber 21, 2006				DEPARTMENT: Wat	er Utilities
Name, Address and Phone Number of M/WBE	Type of Work To Be Performed	Black	Conti	ract Amount Women	Other(Please Specify)	
1.		\$	\$	\$	\$ <u>0</u>	
2.		\$	\$	\$	\$ <u>0</u>	
3.		\$	\$	\$	\$ <u>0</u>	
4.		\$	\$	\$	\$ <u>0</u>	
5.		\$	\$	\$	\$0	
	TOTALS	\$_0	\$ <u>0</u>	\$_0_	\$ <u>'0</u>	
PRIME CONTRACTOR TO COMP ORIGINAL CONTRACT PRICE: ADJUSTED CONTRACT PRICE:	\$4,095,000.00 ORIGINAL		TION: \$861,2		PARTICIPATION: <u>19.32%</u> % PARTICIPATION: <u>14.64</u> %	

### **COST SUMMARY**

<u>C.O. #</u>	DESCRIPTION	<b>ADDITIONS</b>	(DELETIONS)	NET CHANGE
1	Additional Wells, Site Modifications, Well Changes	\$1,981,822.00	(\$77,966.00)	\$1,903,856.00
2	Additional development time, motors, pumps, and miscellaneous site work.	\$859,971.00	(\$135,000.00)	\$724,971.00
4				
Total		\$2,841,793.00	(\$212,966.00)	\$2,628,827.60

### **SCOPE OF WORK**

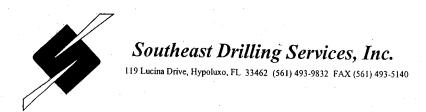
- 1. Replace the pump and motor in well 9W-3.
- 2. Replace the pump and motor in well 8W-7.
- 3. Modify starters for wells 8W-7 and 8W-15.
- 4. Modify wellheads for 8 WTP-3 wells for 6-inch Cert-O-Loc connections and installation of Stilling Wells and level transducers.
- 5. Modify well 8W-15 flowmeter from 8-inch to 6-inch.
- 6. Move electrical and instrumentation panels for the Coral Lakes Wells at WTP-3 due to offset requirements from the PBC Building Department for changes in electrical requirements from 240 volt to 480 volt.
- 7. Replace motor electric cable from the MCC at WTP-9 to wellsite 9W-8.
- 8. Add an additional 20 feet of Cert-O-Loc column pipe to Wells 9W-3, 6, 7, & 8 for lower pumping levels.
- 9. Replace motor and motor wire for well 8W-10 and modify wellhead for transducer installation.
- 10. Install stainless steel foot valves in the 4 new WTP-3 wells.
- 11. Perform additional underground tie-ins at the 4 new WTP-3 wells to include dewatering.
- 12. Directional drill under the new exit ramp and Install new conduit, wire, and magnetic tape from electrical pull box west of Jog Road and north of the new turnpike exit ramp to well 8W-10.

### **CHANGE ORDER ADDITIONS/DELETIONS SUMMARY**

PROJEC	CT:	lmp	nwide Wellfield provements				APP	ROVAL LIMITS:			
CONTRA	ACTOR:	P.C	Prilling Services, Ir D. Box 2764 Florida 33548	ic.		DEPARTM	ENT HEAD	CONTRACT COMMI		PLUS CONT	MENT HEAD RACT REVIEW
PROJEC	CT NO.:	w	UD 05-041		•			COMM		COM	MITTEE
RESOLU	JTION NO.:	R	2006-2473			(Amount)	(Days)	(Amount)	(Days)	(Amount)	(Days)
DATE A	PPROVED:	Nove	mber 21, 2006	INI	DIVIDUAL C.O.	\$25,000.00	12 Days	\$50,000.00	25 Days	\$60,000.00	N/A
CONTRA	ACT AMOUNT:	\$4,	,095,000.00	CUM	IMULATIVE C.O.	\$25,000.00	12 Days	\$75,000.00	37 Days	\$100,000.00	N/A
C.O. #	DATE APPROVED	NET CHANGE	DEPARTMENT (ADDS PLUS DE AMOUNT		CONTRACT COMMI' (ADDS PLUS AMOUNT	TTEE	CONTRACT F	EPT. HEAD & REVIEW COMM. IS DEDUCTS) DAYS	BOARD OF COMMISS (ADDS PLUS AMOUNT	SIONERS	TOTALS
1	3/11/2008	\$1,903,856.00	\$0.00	0	\$0.00	0	\$0.00	0	\$1,903,856.00		\$1,903,856.00
2	Pending	\$724,971.00	\$0.00	0	\$0.00	0	\$0.00	0	\$724,971.00	150	\$724,971.00
3									·		** <b>= 1,5</b> ** 1150
4						,					
5			•								
6											
7											
8											*
9								•			
10											
11											
TOTAL		\$2,628,827.00	\$0.00	0	\$0.00	0	\$0.00	0	\$2,628,827.00	440	\$2,628,827.00

### Notes:

- 1. 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.
   Liquidated Damages = \$1,000 (Stage 1), = \$2,000 (Stage 2) and = \$1,000 (After Substantial Completion).



SUBJECT: NEW SS PUMP 9W-6 OR 3

DESCRIPTION	QUANTITY	( UNIT	UNIT PRICE	COST	EXTENDED
	QOANTI I	OHII	PRICE	C031	COST
Managed					
<u>Materials</u>					
Provide SS pump, standard high speed motor and 60 ft wire	<del>9</del> .	1 Each	\$13,600	\$13,600	
Pump with 1,000 gpm at 238 ft.					
<u>.</u> 3		Each		\$0	
, ,		Each		\$0	
Subtotal Materials					
Tax				\$13,600	
Total Materials				<u>\$884</u>	1.7
Total Matchais					\$14,48
Project Management		1 Have	6400	6400	
Supervisor		1 Hour	\$130	\$130	
Project Labor		Hour Hour	\$78 \$45	\$0 \$0	
Perdiem		Day	\$45 \$64	\$0 \$0	
Hotel		Day	\$140	\$0 \$0	
		Duy	, φι-τυ	ΨΟ	
Subtotal Labor & Perdiem					\$13
Bonding					\$29
Subtotal SED Services					£44.00
Administration & Overhead					\$14,90
Subtotal					\$1,49 \$16,39
Profit					\$82
Total SED Services					\$17,21°
					V17,21
		•			
Subcontractor Work					
		Each		\$0	*
		Each		\$0	
				*-	Ţ.
Total Subcontracts					\$
					·
Subtotal					\$
Bonding					\$0
Subtotal					\$(
Overhead & Administration					\$0
Total Subcontract items					\$(
Total Change Proposal Request					647.04
					\$17,21
Total Additional Time	TBD	Calendar E			

1 As per change requested by County 2 Allow 4 to 6 weeks for delivery 3

CPR-17 9W-3-6 New SS pump & motor.xls 10/22/2008

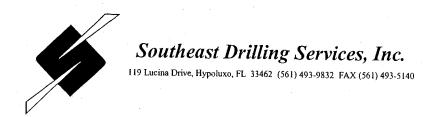


SUBJECT: NEW SS PUMP 8W-7

M	DESCRIPTION	QUANTITY	<u>UNIT</u>	UNIT PRICE	соѕт	EXTENDED COST
						. 0001
Materials						
	all SS pump, standard high speed motor 40 hp		4 = .			
and 60 ft wire.	Pump with 1,000 gpm at 95 ft.		1 Each	\$6,800	\$6,800	
2	The trial 1,000 gpm at 50 ft.		Each		•	
3			Each		\$0	*
			Each		\$0	
Subtotal Materia	ls				\$6,800	
Tax					\$442	
Total Materials					<u>\$442</u>	\$7,242
						Φ1,242
1 Project Manager	nent		1 Hour	\$130	\$130	
2 Supervisor			Hour	\$78	\$0	
3 Project Labor			Hour	\$45	\$0	
4 Perdiem	•		Day	\$64	\$0	
5 Hotel	•		Day	\$140	\$0	
Subtotal Labor 8	D P					
Subtotal Labor 6	Perdiem				ř	\$130
Bonding						
Donaing						\$147
Subtotal SED Se	rvices					
Administration &						\$7,519
Subtotal						\$752
Profit						\$8,271
Total SED Servi	ces					\$414
						\$8,685
Subcontractor W	<u>ork</u>					
1		•	Each		\$0	
2	•		Each		\$0	
T.1-10.1						
Total Subcontrac	ts ,					. \$0
Subtotal						
Bonding						\$0
Subtotal	en e					\$0
Overhead & Adm	injetration					\$0
Total Subcontra	rt itame					\$0
. otal Gancollia	ot items					\$0
•						
Total Change Pr	oposal Request					\$8,685
						( ,,,,,,,,
Total Additional	Time	TBD	Calendar (	_		

1 As per change requested by County 2 Allow 4 to 6 weeks for delivery 3

CPR-18 8W7 New SS pump & motor.xls 10/30/2008



SUBJECT: 8W-15 & 7 Starter/Breaker Mods to 40 Hp

EM D	ESCRIPTION		QUANTITY	UNIT	UNIT PRICE	COST	EXTENDED COST
<u>Materials</u>							
1	*			1 LS		60	
2				Each		\$0 \$0	
3 .	•			Each		\$0 \$0	
				Cacii		φU	
Subtotal Materials						\$0	
Tax	with the second		•			\$0	
Total Materials						<del></del>	\$0
1 Project Management				4 Hour	0400	<b>#</b> 500	
2 Supervisor			•	4 Hour Hour	\$130	\$520	
3 Project Labor					\$78 \$45	\$0 \$0	
4 Perdiem				Hour	\$45	\$0	
5 Hotel				Day	\$64	\$0	
3 (1000)				Day	\$140	\$0	,
Subtotal Labor & Perdiem							\$520
Bonding		*					\$10
Subtotal SED Services	÷						\$530
Administration & Overhead	l						
Subtotal							\$53
Profit							\$583
Total SED Services							\$29
Total GLD Getvices							\$613
Subcontractor Work							
1 CC Controls			,	1 Each	\$7,135	\$7,135	
2				Each		\$0	
Total Subcontracts							
Totaj Subcontracts							\$7,135
Subtotal							\$7,135
Bonding							\$143
Subtotal							\$7,278
Overhead & Administration	r						\$728
Total Subcontract items							\$8,005
							بينير
Total Change Proposal R	eauest						\$8,618
. Jan Jilango i Topobai it							( *0,010
Total Additional Time	•		TBD	Calendar D			-

Note:

1 As per change requested by County/PBI

2 and voters to control pane

2 This assumes conductors to control panels are sized appropriately to handle the new load 3

CPR-21 8W-15 & 7 Starter Mods.xls 10/22/2008



SUBJECT: 3W-1,2,3,4,5,6,7 & 8W-7 Wellhead Mods and 6" Cert O Lok Conversions

EM DESCRIPTION		QUANTITY	UNIT	UNIT PRICE	COST	EXTENDED COST
		30,41111			0001	0001
Materials						
1 6" Cert O Lok			0.54		00.700	
2 6" SS Adapters			0 Ft	\$14	\$6,720	
			6 Each	\$225	\$3,600	
3 8X6 SS Adpaters			6 Each	\$190.00	\$3,040	
4 6" Extra Couplings			1 Each	\$50	\$550	
5 1" PVC for Stilling Wells			0 Ft	\$1	\$360	
Wellhead modification materials     Bacteriological Testing			8 Each	\$110	\$880	
8 Crane			6 Each	\$100	\$1,600	
9 Service Truck			8 Day	\$550	\$4,400	
9 Service Truck			8 Day	\$300	\$2,400	
Subtotal Materials					\$23,550	
Тах					<b>\$1,531</b>	
Total Materials						\$25,081
1 Project Management			Hour	\$130	\$0	4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
2 Supervisor			8 Hour	\$78	\$624	
3 Project Labor		19	2 Hour	\$45	\$8,640	
4 Perdiem			Day	\$64	\$0	
5 Hotel			Day	\$140	\$0	
Subtotal Labor & Perdiem						\$9,264
Bonding						\$687
Subtotal SED Services						\$35,032
Administration & Overhead						\$3,503
Subtotal						\$38,535
Profit						\$1,927
Total SED Services						\$40,462
						440,402
Subcontractor Work						
1			1 Each		\$0	
2			Each		\$0 \$0	
Total Subcontracts	•					\$0
			•			φυ
Subtotal		•				\$0 \$0
Bonding						\$0
Subtotal						\$0
Overhead & Administration						\$0
Total Subcontract items						\$0
		•				
Total Change Proposal Request						\$40,462

1 As per change requested by County/PBI
2 These conversions are necessary for installation of pressure transducers (they will fit in these wells with 8" column pipe)
3 3W-7 Will require 10 ft sections and extra coordination with FPL

CPR-22 6-inch Cert O Lok Conversions.xls 10/22/2008



SUBJECT: 8W-15 Flow Meter Mods

EM	DESCRIPTION	QUANTI	TY UNIT	UNIT PRICE	COST	EXTENDED COST
		GOZITT	ii olili	TRIOL	0031	0031
<u>Materials</u>			•			
1 Flow meter prop a	and recalibration		1 LS	\$412	\$412	
2			Each		\$0	
3			Each		\$0	
4			Each		\$0	•
5			Ft		\$0	
6			Each		\$0	
7			Each		\$0	
8			Day		\$0	
9			Day		\$0	
0.144.144						
Subtotal Materials	i e				\$412	
Tax					\$27	
Total Materials	•					\$439
Project Managem	ont		,	_		
2 Supervisor	ent		3 Hour	\$130	\$390	
3 Project Labor			Hour	\$78	\$0	
4 Perdiem			Hour	\$45	. \$0	
5 Hotel			Day	\$64	\$0	
2 Lotei			Day	\$140	\$0	
Subtotal Labor &	Perdiem					
						\$390
Bonding						\$17
Subtotal SED Ser						\$845
Administration & 0	Overhead					\$85
Subtotal						\$930
Profit						\$46
Total SED Service	es					\$976
Subcontractor Wo	<u>rk</u>					
1			1 Each		<b>ም</b> ለ	
2			1 Each		\$0	
_			Each		\$0	
Total Subcontract						\$0
Subtotal	**************************************					\$0
Bonding						\$0
Subtotal						\$0
Overhead & Admi						\$0
Total Subcontrac	t items					\$0
					·-	
Total Change Pro	Inneal Request					6070
. July Gliange FIC	posai Neducsi					\$976
Total Additional	lime .	TBD	Calendar D	avs	•	
		100	Gaicingal L			

1 As per change requested by County/PBI
2 These conversions are necessary for installation of pressure transducers (they will fit in these wells with 8" column pipe)
3 3W-7 Will require 10 ft sections and extra coordination with FPL



SUBJECT: System 3 Electrical Mods to comply with Building Dept Updgrades

Subtotal SED Services	EM	DESCRIPTION	 QUANTIT	Y UNIT	UNIT PRICE	COST	EXTENDED COST
1 LS \$0 Each \$30 Each \$30 Each \$50 Each							
Each							
Each \$0 4				1 LS .		\$0	
Each   \$0				Each			
Each   \$0				Each			
Each   \$0   \$0   \$0   \$0   \$0   \$0   \$0   \$				Each			
Each   \$0   Each				Ft		•	
Each   \$0				Each			
Subtotal Materials Tax Total Materials Tax Total Materials  1 Project Management 2 Supervisor 3 Project Labor 4 Hour 5 78 \$312 3 Project Labor 4 Hour 5 78 \$312 3 Project Labor 4 Hour 5 78 \$312 5 Project Labor 5 Hotel 7 Day 5 64 \$0 7 Day 5 140 8 Day 6 D				Each		\$0	
Subtotal Materials Tax Total Materials  1 Project Management 2 Supervisor 3 Project Labor 4 Hour \$78 \$312 3 Project Labor 4 Hour \$45 \$30 4 Perdiem 5 Day \$64 \$30 5 Hotel 5 Day \$140 \$0 5 University Subtotal Labor & Perdiem 5 Subtotal Labor & Perdiem 5 Subtotal SED Services 8 Administration & Overhead Subtotal SED Services 4 Electrical Mods Global, see attachement 5 Electrical Mods Global, see attachement 5 Electrical Mods RTU Cables 7 Electrical Mods RTU Cables 7 Electrical Mods RTU Cables 7 Electrical Subcontracts 8 Subtotal 7 Electrical Mods RTU Cables 7 Electrical Mods RTU				Day		\$0	
Tax	9			Day		\$0	
Tax							
Tax	Subtotal Materia	do					
Project Management		115					
Project Management						\$0	
2 Supervisor 4 Hour \$78 \$312 3 Project Labor Hour \$45 \$0 \$0 Project Labor 4 Perdiem Day \$64 \$0 Day \$140 \$0 \$0 Project Labor 8 Perdiem \$0 Day \$140 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$140 \$0 \$0 Project Labor 8 Perdiem \$1,352 \$0 Day \$1,552 \$0 Day \$1,5	i otai MaterialS						\$0
2 Supervisor 4 Hour \$78 \$312 \$312 \$40 Perdiem \$40 Perdiem \$45 \$0 Day \$64 \$0 Day \$64 \$0 Day \$140 \$0 \$0 \$1,352 \$1,35	1 Project Manager	ment		8 Hour	\$130	\$1.040	
3 Project Labor 4 Perdiem	2 Supervisor						
## Perdiam							
5 Hotel         Day         \$140         \$0           Subtotal Labor & Perdiem         \$1,352           Bonding         \$27           Subtotal SED Services         \$1,379           Administration & Overhead         \$138           Subtotal         \$1,517           Profit         \$76           Total SED Services         \$1,593           Subcontractor Work         \$1           1 Electrical Mods Global, see attachement         1 Each         \$34,652         \$34,652           2 Fence Mods         1 Each         \$1,600         \$1,600           3 Control Mods RTU Cables         1 Each         \$2,234         \$2,234           3 Concrete Pad         1 Each         \$1,500         \$1,500           Total Subcontracts         \$39,986           Subtotal         \$39,986           Bonding         \$39,986           Subtotal         \$40,786           Overhead & Administration         \$40,786           Overhead & Administration         \$40,786           Total Change Proposal Request         \$46,457	4 Perdiem						
Bonding	5 Hotel						
Subtotal SED Services Administration & Overhead Subtotal Profit Total SED Services  Subcontractor Work  1 Electrical Mods Global, see attachement 1 Each 1 E	Subtotal Labor &	k Perdiem					\$1,352
Administration & Overhead \$138 Subtotal \$1,517 Profit \$76 Total SED Services \$1,593  Subcontractor Work  1 Electrical Mods Global, see attachement 1 Each \$34,652 \$34,652 2 Fence Mods 1 Each \$1,600 \$1,600 3 Control Mods RTU Cables 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts \$39,986 Subtotal \$39,986 Subtotal \$39,986 Overhead & Administration \$40,786 Overhead & Administration \$44,786 Total Change Proposal Request \$46,457	Bonding				5		\$27
Administration & Overhead \$138 Subtotal \$1,517 Profit \$376 Total SED Services \$1,593  Subcontractor Work  1 Electrical Mods Global, see attachement 1 Each \$1,600 \$1,600 3 Control Mods RTU Cables 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts \$39,986 Subtotal \$39,986 Subtotal \$39,986 Overhead & Administration \$40,786 Overhead & Administration \$44,786 Total Change Proposal Request \$46,457	0.1//.1055.0						
Subtotal   Profit   \$1,517   \$76   \$76   \$1,593							
Profit   Total SED Services		Overhead					
Total SED Services							
Subcontractor Work							
1 Electrical Mods Global, see attachement 2 Fence Mods 3 Control Mods RTU Cables 3 Concrete Pad 1 Each \$1,600 \$1,600 3 Control Mods RTU Cables 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts  \$39,986  Subtotal Bonding Subtotal Overhead & Administration Total Subcontract items  \$40,786 \$4,079 Total Change Proposal Request  \$46,457	TOTAL SED SELV	ices					\$1,593
1 Electrical Mods Global, see attachement 2 Fence Mods 3 Control Mods RTU Cables 3 Concrete Pad 1 Each \$1,600 \$1,600 3 Control Mods RTU Cables 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts  \$39,986  Subtotal Bonding Subtotal Overhead & Administration Total Subcontract items  \$40,786 \$4,079 Total Change Proposal Request  \$46,457	Subcontractor W	/ork					
2 Fence Mods 3 Control Mods RTU Cables 1 Each \$1,600 \$1,600 3 Control Mods RTU Cables 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts  \$39,986  Subtotal Bonding Subtotal Overhead & Administration Total Subcontract items  \$40,786  \$44,864	O GOOD TRICATOR TO	SIN					
3 Control Mods RTU Cables 3 Concrete Pad 1 Each \$2,234 \$2,234 3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts \$39,986  Subtotal Bonding Subtotal Overhead & Administration Total Subcontract items \$40,786  \$44,864	1 Electrical Mods	Global, see attachement					
3 Concrete Pad 1 Each \$1,500 \$1,500  Total Subcontracts \$39,986  Subtotal \$39,986  Bonding \$800  Subtotal \$40,786  Overhead & Administration \$4,079  Total Subcontract items \$44,864  Total Change Proposal Request \$46,457							
Total Subcontracts \$39,986  Subtotal \$39,986  Bonding \$800  Subtotal \$40,786  Overhead & Administration \$4,079  Total Subcontract items \$44,864  Total Change Proposal Request \$46,457		TU Cables					
Subtotal         \$39,986           Bonding         \$800           Subtotal         \$40,786           Overhead & Administration         \$4,079           Total Subcontract items         \$44,864           Total Change Proposal Request         \$46,457	3 Concrete Pad	9	-	1 Each	\$1,500	\$1,500	
Subtotal \$39,986 Bonding \$800 Subtotal \$40,786 Overhead & Administration \$4,079 Total Subcontract items \$44,864  Total Change Proposal Request \$46,457	Total Cubas - to-	4-					***
Bonding Subtotal Subtotal Overhead & Administration Total Subcontract items  \$40,786 \$40,796 \$44,964  Total Change Proposal Request \$46,457	i otal Subcontrac	ль					\$39,986
Bonding Subtotal Subtotal Overhead & Administration Total Subcontract items \$40,786  \$40,796 \$44,964  Total Change Proposal Request \$46,457	Subtotal	•					\$39.986
Subtotal \$40,786  Overhead & Administration \$4,079  Total Subcontract items \$44,864  Total Change Proposal Request \$46,457					*		
Overhead & Administration \$4,079 Total Subcontract items \$44,864  Total Change Proposal Request \$46,457							
Total Subcontract items \$44,864  Total Change Proposal Request \$46,457	Overhead & Adn	ninistration					
Total Change Proposal Request \$46,457							
	Total Change P	roposal Request					\$46,457
Total Additional Time TBD Calendar Days	Total Additiona						. 🔍

- Note:

  1 As per change requested by County/PBI
  2 These conversions are necessary for installation of pressure transducers (they will fit in these wells with 8" column pipe)
  3 3W-7 Will require 10 ft sections and extra coordination with FPL



SUBJECT: System 9 Well 8 Electrical Cable Replacement

Materials         1         1 LS           2         Each           3         Each           4         Each           5         Ft		\$0 \$0 \$0 \$0	
1 LS 2 Each 3 Each 4 Each 5 Ft		\$0 \$0	
1 1 LS 2 Each 3 Each 4 Each 5 Ft		\$0 \$0	
2 Each 3 Each 4 Each 5 Ft		\$0 \$0	
3 Each 4 Each 5 Ft		\$0	
4 Each 5 Ft			
5 Ft		<b>⊅</b> ∪	
		**	
		\$0	
6 Each		\$0	
7 Each		\$0	
8 Day		\$0	
9 Day		\$0	
Subtotal Materials		\$0	8
Tax			
		<u>\$0</u>	¢ο
Total Materials			. \$0
1 Project Management 4 Hour	\$130	\$520	
2 Supervisor Hour	\$78	\$0	
	\$45	\$0 \$0	
4 Perdiem Day	\$64	\$0	
5 Hotel Day	\$140	\$0	*
Subtotal Labor & Perdiem			\$520
Bonding			\$10
		•	
Subtotal SED Services			\$530
Administration & Overhead			\$53
Subtotal			\$583
Profit			\$29
Total SED Services			\$613
Total SED Services			ΨΟΙΟ
Subcontractor Work			
1 Electrical Mods Global, see attachement 1 Each	\$23,706	\$23,706	
2 1 Each		\$0	4.4
3 1 Each		\$0	
3 1 Each		\$0	
Total Subcontracts			\$23,706
Subtotal			\$23,706
Bonding			\$474
Subtotal			\$24,180
Overhead & Administration			\$2,418
Total Subcontract items			\$26,598
Total Change Proposal Request			\$27,211
Total Ghange Froposal Nequest			( , , , , , ,
Total Additional Time TBD Calendar	r Days		No.

Note:

1 As per change requested by County/PBI
2 These conversions are necessary for installation of pressure transducers (they will fit in these wells with 8" column pipe)
3 3W-7 Will require 10 ft sections and extra coordination with FPL

CPR-25 9W-8 Cable Replacement.xls 10/22/2008



SUBJECT: 9W-6, 7, & 8 Setting Depth Mods

					COST	COST
	<u>Materials</u>					
1	8" Cert A Lok Column		4 Joint	\$430	\$1,720	
2	8" Coupling		4 Each	\$82	\$328	
3	Submersible Wire #4/0		80 Ft	\$19.00	\$1,520	
	Splice Kits		4 Each	\$76	\$304	
	Freight		1 LS	\$65	\$65	
6	T Totight		Each	400	\$0 \$0	
7			Each		. \$0	
8						
9			Day		\$0 \$0	
9	· ·		Day		\$0	
	Subtotal Materials				\$3,937	
	Tax				\$256	
	Total Materials					\$4,193
	<b>-</b>					
	Project Management		2 Hour	\$130	\$260	
	Supervisor		Hour	\$78	. \$0	
	Project Labor		Hour	\$45	\$0	
	Perdiem		Day	\$64	\$0	
5	Hotel		Day	. \$140	\$0	
	Subtotal Labor & Perdiem					\$260
	D. It					•••
	Bonding					\$89
	Subtotal SED Services					\$4,542
	Administration & Overhead					\$454
	Subtotal					\$4,996
	Profit					\$250
	Total SED Services					\$5,246
	TOTAL OLD OUTVICES					Ψ3,240
	Subcontractor Work	,				
1			1 Each		\$0	
2			1 Each		\$0	
3			1 Each		\$0	
3			1 Each		\$0	
	Total Subcontracts					\$0
	Lorai Sancolifiaci2					φυ
	Subtotal					\$0
	Bonding					\$0
	Subtotal	,				\$0
	Overhead & Administration					\$0
	Total Subcontract items					\$0
	Total Change Proposal Request					\$5,246

1 As per change requested by County/PBI
2 Pulling and performing the splices will be done under the line item in the contract for pulling or replacing a pump
3

CPR-26 9W 6,7 & 8 Colmn Pipe Mods.xls 10/22/2008



SUBJECT: 8W-10 New Motor & Wire

ЕМ	DESCRIPTION	QUANTIT	Y UNIT	UNIT PRICE	COST	EXTENDED COST
	<u>Materials</u> New Motor 25 hp 460V 3ph 1800 rpm		4 5 6	<b>#0.400</b>	40.400	
	Wire		1 Each 65 Each	\$6,120	\$6,120	
	Splice Kits		1 Ft	\$3 \$220.00	\$195 \$220	• "
	Freight motor					
			1 LS	\$120	\$120	
	Freight wire		1 LS	\$52	\$52	
ŧ	Materials to modifiy wellhead & pump discharge to 6" (8x6 304 thrd red nipple, 6" cert 304 adpt, 6" 304 coupl, 8x6 304 weld on red)		Each		\$0	
	Stilling well		60 Ft	e o	6400	
	5 Colmun PVC			\$2	\$120	
			3 Joint	\$275	\$825	
9 6	" Coupling		1 Each	\$45	\$45	
. 5	Subtotal Materials				\$7,697	
7	Tax				\$500	
7	Total Materials				*******	\$8,197
			•			40,.07
1 F	Project Management		2 Hour	\$130	\$260	
	Supervisor		2 Hour	\$78	\$156	
	Project Labor	•	4 Hour	\$45	\$180	
	Perdiem		Day	\$64	\$0	
	Hotel		Day	\$140	\$0 \$0	
		•	Day	\$140	φυ	
5	Subtotal Labor & Perdiem					\$596
E	Bonding	•.				<b>\$1</b> 76
	Subtotal SED Services					\$8,969
	Administration & Overhead					\$897
	Subtotal					
	Subtotal Profit					\$9,866
						\$493
l	Total SED Services			,		\$10,359
9	Subcontractor Work				•	
	SASSOTING CONTROL OF THE CONTROL OF					
1	•		1 Each		\$0	
2			1 Each		\$0	
3			1 Each		\$0	
3			1 Each		\$0	
7	Total Subcontracts					\$0
	Subtotal					\$0
	Bonding					\$0
	Subtotal					\$0
	Overhead & Administration					\$0
٦	Total Subcontract items					\$0
1	Total Change Proposal Request				(	\$10,359
3	Fotal Additional Time	TBD	Calendar I	Davs.		
	The same of the sa	, 50	Juicilual L			

Note:

1 As per change requested by County/PBI
2 Pulling and performing the splices will be done under the line item in the contract for pulling or replacing a pump
3



SUBJECT: 3W-19, 24, 30, & 31 FPL Fees

<del></del> ;	DESCRIPTION		QUANTIT	Y UNIT	UNIT PRICE	COST	EXTENDED COST
NA-Ad-I-							
<u>Materials</u>							
				1 Each		\$0	
2				1 Each	•	\$0	
3				1 Each		\$0	
Subtotal Materials						\$0	•
Tax						\$0	
Total Materials							\$0
Project Managemer	ıţ			2 Hour	\$130	\$260	
Supervisor				Hour	\$78	\$0	
Project Labor		•		Hour	\$45	\$0	
Perdiem				Day	\$64	\$0	
Hotel				Day	\$140	\$0	
Subtotal Labor & Pe	erdiem						\$260
Bonding							\$5
Subtotal SED Servi	rae /						\$265
Administration & Ov							\$27
Subtotal	Cilicau						\$292
Profit							\$15
Total SED Service	R '						\$306
	<del>-</del>						
Subcontractor World	· · · · · · · · · · · · · · · · · · ·						
Invoice 786949			**	1 Each	1,459.00	\$1,459	
2 Invoice 786951				1 Each	3,566.00	\$3,566	
Invoice 786953				1 Each	3,566.00	\$3,566	
Total Subcontracts							\$8,591
Subtotal							\$8,591
Bonding							\$172
Subtotal							\$8,763
Overhead & Admini	stration						\$1,314
Total Subcontract			,				\$10,077
, Star Subcontract	Itorila						4.0,011
Total Change Prop	osai Request						\$10,384
Total Additional Ti	me		TBD	Calendar	Davs		

1 As per change requested by County/PBI

CPR-29 3W FPL Service Fees.xls 10/22/2008

### **Payment Coupon**

### /610125100003853600000786949229541000079010101

General Mail Facility Miami FL 33188-0001

B 01251 0000786949 7 9 01 01 01 Please mail this portion with your check

Cust. No.: 385360 Inv. No.: 786949

Payment Due upon Amount Due This Invoice 10/25/2008 1,459.22

WO Reference #: 0201-34-416

ake check payable to FPL in US funds and mail payment to address by

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402

FPL GENERAL MAIL FACILITY MIAMI FL 33188-0001

Florida Power & Light Company

INVOICE

**Customer Name and Address** 

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402 Federal Tax ID#: 59-0247775

**Customer Number:** 

**385**360

Invoice Number:

786949

Invoice Date:

09/25/2008

B 01251 0000786949 7 9 01 01 01 Please Retain This Portion for your Records

### **CURRENT CHARGES AND CREDITS**

Customer No: 385360 Invoice No: 786949

DESCRIPTION	QUANTITY	PRICE	AMOUNT
DSB CUST CONTR NEW CNST WO WR# 3039223 @ V/O FLAVOR PICT RD & HAGEN RNCH RD 0201-34-416 COST TO INST 30" HH & 5" RISER	1	1 459 22	1,459 22
For Inquiries Contact: LONNIE TAYLOR Phone: (561) 742-2023	Total Amount		\$1,459.22 10/25/2008

Messages

Welell #24

Florida Power & Light Company General Mail Facility Miami FL 33188-0001

120° 1

### **Payment Coupon**

### /610125100003853600000786951056653000093010101

General Mail Facility Miami FL 33188-0001

B 01251 0000786951 9 3 01 01 01 Please mail this portion with your check

Cust. No: 385360 Inv. No.: 786951 Payment Due upon Amount Due This Invoice 10/25/2008 3,566.50 WO Reference #: 0119-34-416 check payable to FPL in US funds and mail payment to ac

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402 GENERAL MAIL FACILITY MIAMI FL 33188-0001

Florida Power & Light Company

INVOICE

**Customer Name and Address** 

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402 Federal Tax ID#: 59-0247775

**Customer Number:** 

385360

Invoice Number:

786951

Invoice Date:

09/25/2008

B 01251 0000786951 9 3 01 01 01 Please Retain This Portion for your Records

### **CURRENT CHARGES AND CREDITS**

Customer No: 385360 Invoice No: 786951

DESCRIPTION	QUANTITY	PRICE	AMOUNT
DSB CUST CONTR NEW CNST WO WR# 3039215 @ V/O SUMMERLAND BLVD 0119-34-416 COST TO CUT-IN THREE PHASE 150KVA TX	1	3,566.50	3,566.50
For Inquiries Contact: LONNIE TAYLOR Phone: (561) 742-2023	Total Amount		\$3,566.50 10/25/2008

Messages

WELL #30

Florida Power & Light Company General Mail Facility Miami FL 33188-0001

### **Payment Coupon**

### /LIO125100003853600000786953056653000056010101

General Mail Facility Miami FL. 33188-0001

B 01251 0000786953 5 6 01 01 01 Please mail this portion with your check

Cust. No.: 385360 Inv. No.: 786953

Payment Due upon Amount Due This Invoice 10/25/2008 3,566.50

WO Reference #: 0120-34-416

ke check payable to FPL in US funds and mail payment to address b

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402

FPL GENERAL MAIL FACILITY MIAM! FL 33188-0001

Florida Power & Light Company

INVOICE

Customer Name and Address

**BOARD OF COUNTY COMMISSIONERS** 

P.O. BOX 4036 WEST PALM BCH FL 33402 Federal Tax ID#: 59-0247775

Customer Number:

385360

Invoice Number:

786953

Invoice Date:

09/25/2008

B 01251 0000786953 5 6 01 01 01 Please Retain This Portion for your Records

### **CURRENT CHARGES AND CREDITS**

Customer No: 385360 Invoice No: 786953

DESCRIPTION	QUANTITY	PRICE	AMOUNT
DSB CUST CONTR NEW CNST WO WR# 3039216 @ V/O SUMMERLAND BLVD WELL SITE 3W-31 0120-34-416 COST TO CUT IN THREE PHASE TX	1	3,566.50	3 566 50
For Inquiries Contact: LONNIE TAYLOR	Total Amount	t Due	\$3,566.50
Phone: (561) 742-2023	Payment Due up	10/25/2008	

Messages

WEIL # 31

Florida Power & Light Company General Mail Facility Miami Ft. 33188-0001

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SUBJECT: 3W-19, 24, 30, & 31 SS Foot Valves

М	DESCRIPTION	QUANTIT	Y UNIT	UNIT PRICE	COST	EXTENDED COST
Materia	als					
	Female x Female Foot Valves		4 Each	2,600.00	\$10,400	
2 8" SS r			4 Each	390.00		
3	uppics			390.00	\$1,560	
3			1 Each		. \$0	
Subtota	al Materials				\$11,960	
Tax					\$777	
Total M	laterials				<u> Ψ111</u>	\$12,737
1010111	atorialo .					\$12,131
1 Project	Management		2 Hour	\$130	\$260	
2 Superv			Hour	\$78	\$0 \$0	
3 Project			2 Hour	\$45	\$90	
4 Perdier						
5 Hotel	· ·		Day	\$64 \$140	\$0 \$0	
5 Hotel			Day	\$140	\$0	
Subtota	al Labor & Perdiem					\$350
Bondin	g					\$262
Subtota	al SED Services					\$13,349
Admini	stration & Overhead					\$1,335
Subtota	al .					\$14,684
Profit	· · · · · · · · · · · · · · · · · · ·					\$734
	SED Services					\$15,418
						<b>\$10,710</b>
Subcor	ntractor Work					
1			1 Each		\$0	
2			1 Each		\$0	
3			1 Each		\$0	
					+0	
	• *					
Total S	ubcontracts			•		\$0
					\$ · ·	**
Subtota	al	•		* *		\$0
Bondin						\$0
Subtota						\$0
	ead & Administration					\$0
	Subcontract items					\$0
i Oțal S	oubconnact Itellis					<b>\$</b> U 
Total C	Change Proposal Request					\$15,418
TOTAL	mange i Toposai Nequest					(,
	Additional Time	TBD	Calendar	_		

Note:

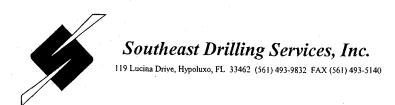
1 As per change requested by County/PB

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CPR-30 3W Foot Valves.xls 12/11/2008

Page 1

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SUBJECT: 3W-19, 24, 30, & 31 Underground Tie-Ins

<u>M</u>	DESCRIPTION	 QUANTITY	/ UNIT	UNIT PRICE	COST	EXTENDED COST
<u>Materials</u>						
1 3W-19			1 Each	9,600.00	\$9,600	
2 3W-24			1 Each	6,800.00	\$6,800	
3 3W-30 (includ	les dewatering)		1 Each	16,000.00	\$16,000	
4 3W-31			1 Each	17,100.00	\$17,100	
Subtotal Mate	erials				\$49,500	
Tax					\$0	
Total Material	s				<u>Ψ0</u>	\$49,500
1 Project Manag	gement		8 Hour	\$130	\$1,040	
2 Supervisor			Hour	\$78	\$0	
3 Project Labor			4 Hour	\$45	\$180	
4 Perdiem			Day	\$64	\$0	
5 Hotel			Day	\$140	\$0 \$0	
			Day	\$140	φυ	
Subtotal Labo	r & Perdiem					\$1,220
Bonding						\$1,014
Subtotal SED	Services					\$51,734
Administration	a & Overhead					\$5,173
Subtotal						\$56,908
Profit						\$2,845
Total SED Se	rvices					\$59,753
Subcontractor	<u> Work</u>					
	ctrical conduit and wire 3W-31		1 Each	1,500.00	\$1,500	
2			1 Each		\$0	
3			1 Each		\$0	
4			1 Each		\$0	
Tatal Code and						
Total Subcont	racis					\$1,500
Subtotal						\$1,500
Bonding						\$30
Subtotal						\$1,530
Overhead & A	dministration					\$230
Total Subcon	tract items					\$1,760
Total Change	Proposal Request					\$61,513
Total Challye	i Toposai Nequest					(, \$01,513
	nal Time					

Note:

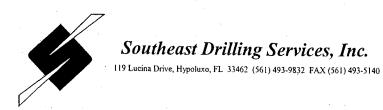
1 As per change requested by County/PBI

3

CPR-31 3W Underground Tie-Ins.xls 12/10/2008

Page 1

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SUBJECT: 8W-10 Directional Drill and New Wire

M DESCRIPT	TION	QUANT	TITY UNIT	UNIT PRICE	cost	EXTENDED COST
<u>Materials</u>						
1		e	1 Each		\$0	
2			1 Each		\$0	
3			1 Each		\$0	
4			1 Each		\$0	
Subtotal Materials		•			<b>.</b>	
Tax					\$0 \$0	
Total Materials					<u>\$0</u>	\$
1 Project Management			4 Hour	\$130	\$520	
2 Supervisor			Hour	\$78	\$0	
3 Project Labor			4 Hour	\$45	\$180	
4 Perdiem			Day	\$64	\$0	
5 Hotel			Day	\$140	\$0	
Subtotal Labor & Perdiem			•			\$70
Bonding						\$1
Subtotal SED Services	•					\$71
Administration & Overhead						\$7
Subtotal						\$78
Profit						\$3
Total SED Services						\$82
College Annual College						
Subcontractor Work						
1 Electrical			1 Each	27,110.00	\$27,110	
2			1 Each		\$0	
3	Ň		1 Each		\$0	
4		•	1 Each		\$0	
Total Subcontracts						\$27,11
Subtotal						\$27,11
Bonding						\$54
Subtotal						\$27,65
Overhead & Administration				•		\$4,14
Total Subcontract items						\$31,80
T. (10)						
Total Change Proposal Request						\$32,62
Total Additional Time		TBD	Calendar D	ays		· -

Note:

1 As per change requested by County/PBI

2

CPR-32 8W-10 Direction Drill and Wire.xls 12/11/2008

Page 1

ten 13

## PRODUCTION WELL AIR & PUMPING DEVELOPMENT SUMMARY SYSTEM WIDE WELLFIELD TIME IN HOURS

D.4.TE			0144 00	011/ 00								<u> </u>	T	T
<b>DATE</b> 8/1/2007	8W-0		8W-22	8W-23	3W-5	<u>3W-30</u>	3W-31	<u>3W-19</u>	<u>3W-24</u>	<u>9W-3</u>	<u>9W-6</u>	<u>9W-8</u>	<u>9W-7</u>	DESCRIPTION
8/6/2007	5.5		<del> </del> -	<del> </del>	├									Jetting w/air end rotation
8/7/2007	4		<del> </del>	├──	-	<del> </del>	-	<u> </u>	├	<u> </u>				Jetting w/air
8/8/2007	8.5	·	<del> </del>	<del> </del>	·	<del> </del>	<del>                                     </del>	-	<b> </b>	<del> </del>				Air Development gravel 58'
8/9/2007	9.75				<del>                                     </del>	<b>-</b>			<del>                                     </del>					Air Development
8/10/2007	1	1		1	i		<del>                                     </del>						ļ	Air Development Gravel 60'
		1					<del>                                     </del>						<b> </b>	Air/ Timer stuck flooded area shutdown
8/13/2007	8					1							<del></del>	8/11-8/12 shutdown bad control valve Air Development Gravel 71'
8/14/2007	9.75			9.5										#6 air sand 2.0-1.5 #23 Jetting w/air Gravel 56'
8/15/2007	9.25				-								<del>                                     </del>	Air Development Sand 1.5-1 End rotation
							· ·							All Development Sand 1.5-1 End rotation
8/20/2007	7.5			5										#6 1.5-1 #23 2.5-2 sand
8/21/2007	10.3	-		7.75										#6 Sand 3-1.5 #23 2-1.8
8/22/2007	9.25			4										#6 2-1.4 sand #23 2 sand Timer stuck flooded
8/23/2007	4			8.5										#6 added .5 bag gravel broken T/#23 2-1.5
8/24/2007	9.75	<b></b>		9.75										#6 2.5-1.6 Gravel 69' # 23 1.57 Gravel 66'
8/25/2007	9.75		4.5	9.75										#6 2-1.5 sand #23 1.58 sand
8/26/2007 8/27/2007	9.75	<u> </u>	4.5	9.75										#6 2.5-1.6 Sand #23 1.56 sand #22 jetting w/air
8/28/2007	10 11	<u> </u>	. 4	10										#6 2.8-1.4 #23 .64 sand
8/29/2007	9			9										#6 2.9-1.9 #23 .63 sand
0/23/2007	9			9										#6 3-2 sand Gravel 73' #23 .42 Gravel 69' end rotation
9/4/2007		$\vdash$												
9/5/2007				6.5				<b> </b>						# 6 shutdown need gravel #23 Air develp.
9/6/2007	8.25	<u> </u>		9.75									·	#6 Compressor down added 1.5 bag Up to 59' #23 Sand .32
9/7/2007	8.75			9.75		$\vdash \vdash \vdash$								#6 Gravel 65' sand 3-2 #23 Sand .32
9/8/2007	8			9.23	-						—-1			#6 added gravel sand 32 #23 added gravel up to 49' sand .32
9/9/2007	8.5			1.75			-							#6 Gravel 51' sand 3-2 #23 Gravel 51' sand .21
9/10/2007	9.25					<del></del>		-						#6 Gravle 52' sand 1.4-1 #23 shutdown ready for test pump #6 Gravel 52' sand 1.48
9/11/2007	9.75		8	5							—— <del> </del>			#6 Sand 1.4-1 #23 Set Test pump #22 started Air Gravel 55'
9/12/2007	3.5		5	9										#6 Shutdown pump out #23 Fin. Test Pump sand 07 #22 flooded shutdown
nd Rotat.														#0 Shardown pump out #23 Pm. Test Pump Sand 07 #22 flooded shardown
9/17/2007	7.5		7.25	7										#6 Gravel 63' sand 1.2-1 #22 Sand 32 #23 Sand .109 @ 1500 Gpm
9/18/2007	9.5	-	5.5	8.75										#6 Gravel 64' Sand 1.6-1.1 #23 Sand .109 @ 2000 Gpm #22 Sand 3-2 Shutdown flo
9/19/2007	9.75		4.75	9.5						-				#6 Sand 1.2-1 #23 Sand .109 #22 Sand 3-2 Shutdown flooded
9/20/2007	. 0		. 0	9.75										#6 shutdown Gravel to 70' #22 shutdown flooded #23 Sand .0708
9/21/2007	0	8.5	0	10								$\neg \neg$		#6 Shudown Gravel #22 Shutdown flooded #23 Sand .07 #9 Jetting w/air
9/22/2007	0	0	0	- 10					$\neg$					# 6 shutdown added gravel up 49' #22 installed layflat #23 Sand .0807 #9 Done Jetti
9/23/2007	10	0	10	9.75										# 6 Sand 1.19 #23 Sand .07 #22 Sand 3-2
9/24/2007	10	0	10	9.75										#6 Sand 1.1-1 #23 Sand .07 #22 Sand 3-2
9/25/2007	10	0	10	9.75										# 6 Sand 1.19 #23 Sand .07 #22 Sand 3-2
9/26/2007	9	0	9	7.5									1	#6 Sand 1.49 #23 Sand .07 # 22 Sand 6-5
nd Rotat.		I												
40/4/0007														
10/1/2007 10/2/2007	8	0	7.5	8										#6 Sand 1 #22 Sand 5 #23 Sand .07
10/3/2007	9.75	0	0.75	- 0										#6 sand 1 #22 Sand 5 #23 Step Test T.Urum
10/3/2007	9.75	. 0	9.75 9	0										#6 sand 1.1 #22 sand 5 #23 Constant Rate Test T.urum
10/5/2007	9	0	9											#6 Sand .09 Added Gravel 58' # 22 Gravel 52' Sand 7
10/6/2007	9	0	9.5											#6 Sand 1 Gravel 59; #22 Gravel 52' Sand 7.1
10/7/2007	9	0	9.5	$\longrightarrow$										#6 Sand .09 #22 Sand 6.5 #6 Sand 1 # 22 sand 6.2
10/8/2007	9	,0	9					<del></del> +				-		#6 Sand 1 # 22 Sand 6.2 #6 Sand 1-1.2 #22 Sand 5.9-5.3
10/9/2007	9	0	9											#6 Sand 1.3-1.5 #22 Sand 5.9-5.3 #6 Sand 1.3-1.5 #22 sand 2.3-2
10/10/2007		ō	8.75				-							# Sand 1.1-1 Gravel 63' #22 Sand 2-1.9 Gravel 55'
nd Rotation						<del>-  </del>					+			T Gaile 1.1-1 Grayer to #22 Gaile 2-1.5 Grayer 30
					-				$\dashv$		$\dashv$	<del>  </del>		
10/15/2007	7.75	0	2.5	$\neg \neg$					$\dashv$		- 1			#6 Sand .79 Gravel 63; #22 Sand .9-1
	8.75		6.25			$\neg$		$\neg$	-+					#6 Sand .79 Graver 65, #22 Sand .9-1
10/17/2007	9		2.5					一十	-+		-+			#6 Gravel 66' sand .8-1.5 #22Gravel 56' Sand .89
10/18/2007	9	8	7		一			-+	-+	-				#6sand .99 #22 sand 19
10/19/2007	9	8.5	7						_		$\dashv$			#6sand .98 #22 sand 98
10/20/2007	8.25	0	8				一	$\neg \uparrow$	$\neg$ †	$\neg \uparrow$				#6sand 17 #22 Sand .87
	9.25	. 9	8					T						#6 Gravel 60' Sand .8- 6 #22 Gravel 57' Sand 17 #9 Gravel58' Sand20
10/22/2007	. 9	8	8.5					$\neg$		-t				#6Sand .96 #22 Sand 16 #9 15
10/23/2007	9	8.75	8.5					一十			$\neg \uparrow$			#6 Sand .74 #22 Sand .96 #9 sand 7
10/24/2007	9	8.75	8.75											#6 Sand .54 #22 Sand .85 #9 Sand 3
d Rotation					$\Box$									**************************************
	$\Box$	$\Box$												
				-		T								
10/30/2007	9.5	0	9.5					$\Box$						#6 Sand .56/ #22 Sand .88
	9.25	0	9.5											#6Sand .76/#22 Sand .87
11/1/2007	8.5	Q	8.5					1						#6Sand.98/#22 Shutdown dumpster leak
11/2/2007	8.5	0	0								$\neg \uparrow$			#6Sand .82/ #9 Sand 2-2/#22 Sand .55
11/3/2007	9.25	8	8.75	T							$\neg \neg$			#6Sand .7-1.5/ #9Sand 2-2/# 22 Sand .53
	8.75	8.25	. 9											#6Sand .7-1.5/ #9Sand .88 /#22Sand
11/5/2007	9	9	9.25											#6Sand .81/#9Sand 1.5-1/#22 Sand .55
11/6/2007	9.25	9.5	9								一十			#6Sand .8-1.6/#9Sand .1-,4/#22 Sand .4-,2
		0	9											#6Sand 2/ #9Sand shutdown doors open compressor/ #22 Sand .2
	8.75	U												

	' l :	3 2.	5 2.5	5	T -	`T	T-	T			1	T		HC 910/40 0 14 0/400 5
13/2007	8.	5 (	9.25	5			1	1	上	1	f	+	+	#6 Sand 2/ #9 Sand 1.9/ #22 Sand 1 by Barrett #6 Sand .081/ #9 out of gravel/ #22 Sand .204
/14/2007 /15/2007			9.25		1	lacksquare						上		#6 Sand 15 / #22 Sand .104
6/2007					+-	<del> </del>	-	1	1-	4				#6 Sand .103 / #22 Sand .104
17/2007				-	+-	+-	1—	+	1-	+	<del> </del>	-	-	shutdown running screen sys 9
8/2007					1	1	1-	+-	+-	+	1	+	<del> </del>	#6 Sand .041/ # 22 Sand .0303 #6 Sand 1.5/ #9 Sand 1.6/ #22 Sand .05
19/2007	(						1	1	1	1	1	+	1-	#6 shutdown Ready for Pump/ #9 Sand 1.509/ #22 Sand .0202
20/2007	_				1		1			L				#9 Sand 1.503/ # 22 Sand .0604
21/2007 Rotation		4.75	6.5	<del> </del>	┼	╂	+	4	1_					#9 Sand >0302/ # 22 Sand .0402
6/2007		<del>,</del>	, 7	-	<del> </del>	┼	+	-	┼	1	-	-	<u> </u>	
7/2007			0	1	1-	+-	+	1-	<del> </del>	-	<del> </del>	┼—	<b>-</b>	#9 Sand 1.55/ # 22 Sand .604
8/2007				<b></b>	1	t	1	1	+-	+-	1	<del> </del>	-	Shutdown #6Pump .26 Rossium/ #9 Sand 1.55/ #22 Sand .73
9/2007	8.75	8.75	9.25					1	1	<b>†</b>	1-	1	<del>                                     </del>	#6 Pump Sand .31/ #9 Sand 1.55/ #22 Sand .73 #6 Pump Sand .31/ #9 Sand 15 #22 Done waiting for pump
0/2007		9.5	0						1			1	1	#6 Pump Sand .53 / #9 Sand .9
/200=		1	<u> </u>	<u> </u>	<u> </u>							1		
/2007 /2007	<del></del>				<b> </b>	<b> </b>								#6 Sand .22/ #9 Sand .93
3/2007	9.5	_			<del> </del>	┢	-	<del> </del>	├	3				#6 Sand .22/ #9 Sand .43/ 9w3 Gravel 74' Cloudy drilling mud
1/2007	9.25		0		1-	1-	+	<del> </del>	+-	9.25		<del> </del>	<del> </del>	#6 Sand .22/ #9 Sand .63
/2007	0.20	-			1-	$t^{-}$	+	<del> </del>	1-	6.5		1	<del> </del>	#6 Sand .22/ #9 Sand .83/ 9w3 Gravel 75' Cloudy drilling mud low volume #9 Sand .82
tation							1	T	1-	1 0.0	1	1	1	175 Octio, 07-,2
/2007	8									6.5		<b>†</b>	<b>†</b>	#6 Sand .12/#9 Sand .23/ 9w3 Gravel 78' Cloudy Drilling mud/Sand .3
2007	9				$\vdash$					7.5				#6 Sand .12/#9 Sand .52
007	9.5			<u> </u>	<u> </u>			1	lacksquare	9.75				#6 Sand .12/ # 9 Sand .54/9w3 Gravel 80' Volume increased50% Sand .1
2007	9.5 0	<del></del>		ļ	<del> </del>	-	<b> </b>	<b> </b>	<u> </u>	8.75		ļ		#6 Sand .12/#9 Sand .83
2007	0	_		<del>                                     </del>	├	<del> </del>		ļ	-	0		<u> </u>	<u> </u>	#9 Sand Sand .53
2007	<u> </u>	8.5		<del> </del>	<del>                                     </del>	1-	1	+	<del>                                     </del>	9		<del> </del>	<del> </del>	#6 Step Test Trans 30'bls 500,1000,1500,2000/ Sand .0115 Trace/
/2007	<b></b>	9.75	2.5		1	<del>                                     </del>	1	<del>  `</del>	<del> </del>	10.5	<del></del>	<del> </del>	<del> </del>	#9 Sand .23/9w3 Gravel 81' Still Little Cloudy Green Tint/Normal T. Urum Sand .1
2007		9.5	0			Ī	1	<del>                                     </del>	1	8	<del>                                     </del>	1	<del> </del>	#9 Sand .42/ #22 install test pump and test #9 Sand .42/9w3 Gravel 82' Green Tint, very little cloud from mud only surge
2007			0							9		ļ —	<u> </u>	12/19/07-/01/02/08 Christmas Break
												1		Tar over 10 morros of morriage broad
2/2008		<u> </u>	. 0		_		$\perp$			0				8W22 Stp Tst, 9W3-Compressor Down Leaking oil
/2008 /2008		<u> </u>	0		<del> </del> -	<u> </u>	<del> </del>	ļ	<u> </u>	9				8W22 Const Tst, 9W3-Sand .1 Water Cloudy and Green Tint, ST 8-22
/2008			<b></b>	<b>.</b>	<del> </del>	<u> </u>	<del> </del>	<del> </del>		9				Sand .09 Gravel 84', Const Tst 8-22
2008					<del> </del>	$\vdash$	<del>                                     </del>	<del> </del>	<u> </u>	4	<b></b>	<b> </b>	-	Sand .08 Green Tint to water Tested Making aprrx 900 GPM Gravel 88'
2008								1-	<u> </u>	8.5		<b> </b>	<del> </del>	Sand .07 Green Tint Gravel 88' Sand .07 Green Tint Gravel 88' Added Bag up to 67'
800		0					F	1	<b> </b>	9		<b></b>	<del>                                     </del>	8W9 Stp Tst, 9W-3- Sand .04 Green Tint Gravel 67' Tested Making apprs 1050 GPM
8008										9.75		<b>1</b>	<b> </b>	Sand .04 Green Tint Gravel 69'
800		0			$\sqsubseteq$									8W9 Const Tst
tion		ļ			ļ		<u> </u>							
2008 2008		<u> </u>			Ь——	<b> </b>	<u> </u>	<b>I</b>	<u> </u>	0				9W3 Shutdown per T. Urum possible Gravel Change
2008		-			<b>-</b>	<del> </del>	$\vdash$		<u> </u>	ļ	<u> </u>	6.5	<u> </u>	Jetting w/air Gravel 53'-56'
008					$\vdash$	<del>                                     </del>		ļ	<del></del>		<u> </u>	- /	<del> </del>	Air Dev. Gravel 56' Sand 1 cloudy drilling mud Gravel 56' Sand Surge .09
8009												8.75	<del>                                     </del>	Gravel 56' Sand Surge .09 Gravel 56' Sand Surge .07
ation														
2000		l												
2008 2008			-		46.5		<b> </b>	<b>_</b>	ļ	<b> </b> ]				Developed after new screen installed
2008					$\vdash \vdash \vdash$	<del> </del>	<del>                                     </del>			$\vdash \vdash$		7.5	<u> </u>	Gravel 56' Sand Surge .02 Constant Trace
2008	-					<b></b>	<del> </del>			<del>  </del>		8	<b> </b>	Raised Air line Sand Surge .07 Constant Trace
-33					<b></b>				-	┝─┤		9		Gravel 56' Surge Sand .01 Constant Trace
2008													<b></b>	2/1/08 shutdown working @ SYS 3 2/3/08
800										9		9	-	Gravel 56.5 Sand .01
800										8		9		Gravel 56' Sand .01 Gravel still moving
2008								$\Box$		7		9		Gravel 57.8' Sand .01 Gravel still moving
ation 2008								<b> </b>		ليبا		<u> </u>		
008	-							ļl		8.5		9		Gravel 59' Sand .01
2008			<del> </del>				<del></del>	$\vdash$		5.5		. 9		2/12/08-2/14/08 Working @ sys 8 Gravel 59' Sand .01
2008	$\dashv$	— <del> </del>			-		<b>-</b>			5.5 10		9		Gravel 59' Sand .01 Gravel 59' Sand .03
800		t			-					6		9		Gravel 59 Sand .03 Gravel 59.2 Sand .02
800										5.5		9		Gravel 59.3 Sand .02
tion														
800										-1		0	-	9W8 Stp Tst
800							ŀ			9.5		0		9W8 Const Tst, 9W3-Gravel 59.9 Sand .02
008							<u> </u>			2000				Cu- Bata D
2008			-+				<del> </del>	<b></b>		0				Step Rate Pumping Test
2008		<del></del>					<b></b>	$\vdash \vdash \vdash$		9	8			Constant Rate Pumping Test Jetting w/air Gravel 76 -79'
tion		f									- 0			Setting with Graver 10 -13
				-						<del> </del>				
800											8.25			Air Gravel 79' cloudy and Foamy mud nox
800	$\Box$										9.25			Air Gravel 80' Sand .3
800											10.25			Air Gravel 81' Sand .2 Cloudy
029	[										9.5			Air Added 1 Bag Gravel Cloudy Gravel 53'
8002						]					8.5			Air .09 Sand Still Cloudy
2008											9			Air .08 Sand Cloudy and Foam
2008			<del> </del>				-	l			10			Air .09 Sand Cloudy and Foam
2008			- 1								3.5			Puma Davidonment Cravel 52.4 Seed 4
2008			- 1					-			3.5 9			Pump Development Gravel 53.4 Sand.1 Pump Development Grave 53.4 Sand .08
			t	1		i		l						Out of the property of the Process o

10/2/2008	0	T		т					-,					
10/2/2008	_	╂—	+	+	╀			1	1					
10/3/2008		┦—	┼	<del> </del>	┥—	.	<u> </u>		ļ	L				
												1	`	
10/5/2008		┦	<del> </del>											
10/6/2008		4									1		1	
10/7/2008								1					<del></del>	
10/8/2008							8	3	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	Pump Develp. W/Constant Rate Test Sand .05 Bad Data have to rerun
End Rotation	1	1							1	<b>†</b>		<del> </del>	+	T drip bevelp. W/Constant Rate Test Sand .05 Bad Data have to rerun
										<del> </del>	<del>                                     </del>	<del> </del>	<del></del>	
10/13/2008				1	1		4		)	<del>                                     </del>	<del> </del>	<del> </del>	-├	Fishing tool and Chart Taylor Chart
10/14/2008	3				1	1	8	_		l	+			Fishing tool out/ Step Test 3W-31 Step Test Sand Trace Only
10/15/2008	3				T			,		<del>                                     </del>	<del> </del>		+	Fishing tool out/3W-31 Constant Rate Test Sand Trace Only
10/16/2008	3						· · · · · · · · · · · · · · · · · · ·	3.25		<del> </del>	┼	-	╅	Fishing tool out
10/17/2008				1	1	1		8.25			<del>                                     </del>	├	-	Jetting w/air Bottom and top of Screen Gravel 83'
10/18/2008		1		1	1			9.20			┼	<del> </del>		Jetting w/air Bottom and top of Screen Gravel 89'
10/19/2008		1			1			9	1		┼			Air Development Gravel 89.2' Muddy Sand 6 a.m Sand 4 p.m
10/20/2008		1		1	1		<del></del>	8.5			<del> </del>	<del> </del>	<del> </del>	Air Develp. Gravel 89.2' Sand .6 a.m Sand .6 p.m
10/21/2008		T	T	1	1	1	<del>                                     </del>	9.5		<del> </del>	+	<del> </del>	<del> </del>	Air Develp. Gravel 91' Sand .6 a.m Sand .6 p.m
10/22/2008		Γ-	T	1	1		<del>                                     </del>	9.0		├──	+	<del> </del>	<del> </del>	Air Develp. Gravel 91.9' Sand .6 a.m Sand .6 p.m
End Rotation	T		<del>                                     </del>	<b>!</b>	1-	1			<del> </del>		<del>                                      </del>	<del> </del>	╂	Air Develp. Gravel 91.9' Sand .6 a.m Sand .6 p.m
		1	1		<del>                                     </del>	<del> </del>	<del>  -</del>	<del></del>	_		-	<u> </u>		
10/27/2008	1		1	<del>                                     </del>	<del>                                     </del>	1-	-	0	<u> </u>		<b> </b>	<u> </u>	—	
10/28/2008		<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>	-		- 0			├	<u> </u>	<u> </u>	Shutdown Compressor Problems
10/29/2008		l	<del> </del> -	<del>                                     </del>	ļ —	-		8.5		<u> </u>	<b>├</b> ─	ļ	1	Shutdown Compressor Problems
10/30/2008	<del>                                     </del>	<b></b>		<del>                                     </del>	<del>                                     </del>			9.5	_	-	<u> </u>		-	Added Gravel up to 83' Sand .5 a.m Sand .5 p.m
10/31/2008	┢	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>									Gravel 83.2' Sand .5 a.m Sand .4 p.m
10/01/2000	$\vdash$		<del> </del>	<del> </del>	ł	<u> </u>		9.5	<u> </u>		<b>├</b>	ļ		Gravel 83.6' Sand .4 a.m Sand .4 p.m
11/2/2008	<del>                                     </del>		<del> </del>	<del> </del>	├──						<del> </del>			
11/3/2008	<del>                                     </del>	<del> </del>	├──	<del> </del>	<del> </del>	1		0						Gravel 83.4 Cloudy Muddy 3W19 Waiting for test pump
11/4/2008	ļ	<del> </del>	<del> </del>			<del></del>		0						Gravel 83.4 Cloudy Muddy
11/5/2008		<del></del>	<del></del>	<del></del>	<b></b>	-			0.0	·	<u> </u>		<u> </u>	Gravel 83.4 Cloudy Muddy
nd Rotation	<del>                                     </del>		<del> </del>		<b> </b> -			0	9.5					Gravel 83.4 Cloudy Muddy
and reotation	<del> </del>			ļ							ļ		ļ	,
11/10/2008		<del> </del>	<del> </del>											
11/11/2008			<del> </del>	<b></b>	<b></b>			0	8.25					Gravel 86' Sand .3 a.m .4 p.m
11/12/2008		<b> </b>	<b></b>	<u> </u>	I			4	9.5					3w19 Sand .1 3w24 Gravel 86' Sand .4 a.m .4 p.m
11/13/2008			<b> </b>	<b>-</b>		ļ	,	9.5	9.5				<u> </u>	3w19 Sand .4 a.m .4 p.m 3w24 Gravel 86.3 .4 a.m .4 p.m
11/14/2008				ļ	<u> </u>			9.25	9					3w19 Gravel 86' Sand .4 a.m .4 p.m 3w24 Sand .4 a.m .4 p.m
11/15/2008					<del> </del> -	1		9.25	8.5				<u> </u>	3w19 Sand .3 a.m .4 p.m 3w24 Sand .3 am .3 pm
11/16/2008	<b> </b>	<del> </del>			<del> </del>	$\vdash \vdash \vdash$		2.25	8					3w19 Sand Trace only shutdown 3w24 Sand .2 am .2 pm
11/16/2008								0	8					Air Sand .15 am .15 pm shutdown end of day
11/18/2008		<del></del>			ļ	<b>  </b>		0						Constant on 3W-19
11/18/2008			<b>  </b>					0						Step Test on 3W-19
	<u> </u>								0				]	Constant Rate Test 3W24 Sand Trace Only
12/1/2008	<u> </u>	<u> </u>				igwdow			0					Step Test 3W24 Sand Trace Only
	070	000 -	<u> </u>		<b></b>	<u> </u>								
ubtotals			406.3	241	46.5	241.5	88	118.3	98.75	232	140.3	145	218.75	
otal deve	lopm	ent S	ystem	8									1586	
otal Deve	lopn	ent S	ystem	3									593	
otal Development System 9											736			
otal Hour				-										
otai moui	3												2915	

Allotted Time (40 hours per well at \$250.00 per hour)

Additional Time (at \$240.00 per hour)

Additional cost

\$574,800.00

2395

520 13 wells times 40 hours each

4/7/200		-								$\mathbf{I}^-$		9		T-	Pump Development Gravel 53.4 Sand .03
4/16/200		+-	-				4			$I^-$	$\Box$	0		<del>                                     </del>	9W6 Stp Tst
4/23/200												0			9W6 Const Tst
4/27/200 4/28/200		-1-			-							2.5	8		#6 SDI TO=2:00 min pump deve. #7 Jetting w/air
4/29/200		+-			—	-	4					9			3 #6 Pump Dev. Lower SDI/ #7 Set up for air started Air Dev. Gravel 82.4
End Rotation		+-		┥—	-		┥	1		_	9	9.5	9.25		#6 Pump Dev. Lower SDI/ #7 Air Dev. Gravel 83.7 Muddy
End Rotation	-	+					┩—	<u> </u>							Total of the control
5/5/200	-	╂—						ļ	<b>_</b>						
5/6/200	_	╂	┥		-			_		1		9		8	3
5/8/200		┪	╁—					<del> </del>	.		9	1.5		8.25	5 # 6 SDI T0=53,T5=63,T10=68,T15=70 secs/ #7 Muddy still sand 30 gravel 84'
5/9/2008		+	-	<del></del>		<del> </del>				ـــــــ	6	.5		9	#6 SDI T0=18, T5=17, T10=18, T15=19 Done/ #7 Gravel 86' Sand 4
5/10/2008		+-						1	<u> </u>	<u> </u>				9.5	Sand 4 Gravel 88'
5/11/2008							4	_							Sand 4 Added Bag of gravel up to 67'
5/12/2008		+-		-			↓	<u> </u>	1	-					Sand 2 Gravel 70'
5/13/2008		╁		<del>                                     </del>	┼	<del>- </del>		<u> </u>						10	Sand .3 am sand .4 p.m Gravel am 72' Gravel pm 74'
5/14/2008		┼─	<del> </del>	<del>-}</del> -	-	<del> </del>	·}	<u> </u>		<u> </u>				9.5	Sand 5 Gravel 74'
End Rotation		-	-		-	-	<del> </del>	<u> </u>	<u> </u>					10	Sand .43 Gravel 75'
Zila Notation	1-	┿				- <del> </del>	<del> </del>	1		<u> </u>					
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5/20/2008		╂		<del> </del>			↓	ļ		┸					Sand .62 Gravel 79'
5/21/2008		+	╁—-		┥—	╂	<del> </del> _		<u> </u>	<b>-</b>				9.5	Sand am 1.5 Sand pm .2 Gravel 79' 6"
5/22/2008		+	+	┼		┼	<b>├</b> ──	ļ		<u></u>				10	Sand .42 Gravel 80' added 1 bag up to 59'
5/23/2008			+	╁		╄	╂	<u> </u>		<u> </u>	┸			10	Sand am .2 Sand pm .4 Gravel 60'
5/24/2008		1	+	+	+	┼	1-	<b>—</b>			1	1	]	9	Sand am .4 sand pm .3 Gravel 60' 6"
5/25/2008		1-	┿	+		₩	<del> </del>		<del> </del>	<del></del>	<u> </u>	$\perp$	$_{\perp}$		Sand am .5 sand pm .2 Gravel 61'
5/26/2008		1	╁—	┼	+	<del> </del>	1—	ļ	<b>I</b>	<b>—</b>		$\perp$	I	9	Sand am .4 sand pm .3 Gravel 61'
5/27/2008		1-	₩-	┼		<del> </del>	<del> </del>	<u> </u>	<del> </del>	<u> </u>	<u> </u>				Sand am .3 sand pm .2 Gravel 61'
3/2/12008	1-	<del> </del>	+-	<del> </del>	┼—	<del> </del>	<del> </del>	<u> </u>	₩	↓	<u> </u>		[	9.25	Sand am .3 sand pm.2 Gravel 61' 6"
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6/6/2008		<del>                                     </del>	1	╂	+	1-	<del> </del>	<u> </u>	<del> </del>	-	<b>↓</b>	4		4	Step Test 500,700,1200,1500 Sand .3, trace, trace, trace.
6/7/2008	<del> </del>	<del> </del>	+	+	<del> </del>	├—	├	<b>!</b>	<del>                                     </del>	1	<del> </del>	_		8	Cont. Pump Test Sand Trace Only Running, 1 on Surge 1500 GPM
6/8/2008	<del> </del>	1	1-	<del> </del>	+	<del> </del>	<del> </del>		<u> </u>	<del> </del>	ـــ	_		10	Pumping To lower SDI T0 44 sec T5 46 sec T10 48 sec T15 1:39
6/9/2008	<del>                                     </del>	$\vdash$	1	1	+	<del> </del>	<del> </del>	<del>                                     </del>		<del> </del>	—	$\perp$		9.5	Pumping To lower SDI T0 58 sec, T5 1:05 min T10 1:45 min T15 1:58
6/10/2008	<del>                                     </del>	╁		<del> </del>		<del> </del>	<del> </del>			<u> </u>	<del> </del>			10	Pumping To lower SDI T0 23 sec T5 28 sec T10 26 sec T15 24 sec
0/10/2008	<del> </del>	<del></del>	┼	<del> </del>	<del></del>	<del> </del>				ļ		1		8.5	Pumping To lower SDI T0 24 sec T5 24 sec T10 23 sec T15 23 sec. Shutdown
7/14/2008	-	-		┼		<del> </del>	ļ	<u> </u>		<u> </u>	<u> </u>				
7/15/2008	<del> </del>	<u> </u>	<del> </del>	<del> </del>	-	5	<u> </u>	ļ	L		1	1			Jetting w/air Gravel 86'
7/21/2008		_	<del> </del>	┤	╂	3.25	<del> </del>		<u> </u>						Jetting w/ air Gravel 87'
7/22/2008	<del> </del>	<u> </u>	<del> </del>		<del> </del>	1 9			<u> </u>			4_			Air Development Gravel 87' Cloudy/Muddy Sand 4
7/23/2008	-	,	├─		<del> </del>	9			<u> </u>		<u> </u>				Air Development Gravel 87' Cloudy/Muddy Sand 4
7/24/2008	<del> </del>	-	<del> </del>	<del> </del>		9	<b>}</b> -	<u> </u>	L	ļ		<del> </del>			Air Development Gravel 88' Cloudy/Muddy Sand 6
7/25/2008			├	<del>                                     </del>	╂	9	<del> </del>				<b> </b>				Air Development Gravel 88' Cloudy/Muddy Sand 2
7/26/2008			<del> </del>		<del>                                     </del>	9	<del> </del>		<u> </u>	<u> </u>	ऻ—–	1—	į		Air Development Gravel 91' Clearing up Slightly Cloudy Sand 2
7/27/2008			<del> </del>	<del> </del>	-	9	<b>}</b> -				<del> </del>	╂	-		Air Development Gravel 98' Added Gravel up to 86' Sand 4
7/28/2008			<del> </del>	<del> </del>	<del> </del>	9	<b></b>		-	├—	<del> </del> -		_		Air Development Gravel 86' Sand 3.5 a.m Sand p.m. 3
7/29/2008			<del> </del>	<del> </del>	<del> </del>	9			ļ	<u> </u>	<del> </del>	-	<u>-</u> - -		Air Development Gravel 86' Sand 2 a.m Sand p.m 1
			<del> </del>	<b></b>	<del>                                     </del>			-	<del> </del>		<del></del>	-			Air Development Gravel 88' Sand 1 a.m Sand p.m .9
8/10/2008				<del> </del>	<del>                                     </del>	9.5		-	<b></b>	<del>  -</del>	├	+-			Sand .6 Gravel 89'
8/11/2008					1	9.5		-		<del></del>	<del> </del>	┰	-+		Sand .68 Gravel 92'
8/12/2008					1	9.5				<u> </u>	<del>                                     </del>	╂─			Sand .88 Gravel 94' added gravel up to 82'
8/13/2008			1		1	9.5		-			<del> </del>	_	-		Sand .44 Gravel 84'
End Rotation			i							_		<b></b>	$\dashv$		Jailo .41.4 Glavel 04
					<b>1</b>						<del> </del>	+			
8/18/2008			Ĭ		1						-	+	$\dashv$		Shutdown tropical storm fav
8/26/2008										T	T	<del>                                     </del>			flooded drains we development in
8/27/2008					$L^-$	9					1	<del>                                     </del>			Sand .68 Gravel 84'
End Rotation												1			- Control of the cont
											<u> </u>	1	$\dashv$		
9/1/2008												1	_		Holiday
9/2/2008						8						1	-1-		Added Gravel up to 73.1' Sand .5/.4
9/3/2008	]					9						1			Sand 1.6/.3
9/4/2008						9						<b>T</b>	T		Sand .3/.1
9/5/2008						4						Г			Gravel 73.8' Sand .5/.5
9/6/2008				$ldsymbol{ldsymbol{ldsymbol{eta}}}$		5.5						1			Gravel 76' Sand .4/.4
9/7/2008						9.5						T-	_		Gravel 77.5' Sand .5/.5
9/8/2008						9						Γ	$\top$		Gravel 79.5' Sand .4/.3
9/9/2008						9							_		Gravel 80.1 Sand .8/.3
9/10/2008	]	]				4						T	$\top$		Gravel 80.3 Sand .6/.3
End Rotation						$oxed{oxed}$		1							
							7								
9/15/2008						0	0							1	Did not run Short man power
9/16/2008			·			9	6.5								#30 Gravel 80.5 Sand .3/.3 #31 83' Muddy
9/17/2008		]				. 9	8.75								#30 Gravel 81.9 Sand .4/.2 #31 83.7' Muddy
9/18/2008						. 0	6					I			#30 Shutdown per Bart/T.Urum #31 Muddy Compressor shut down
9/19/2008	I	]				0	9						$\top$		#30 Set Test Pump .1 surge .05 constant #31 Muddy and cloudy
9/20/2008	I	]				8.75	9								#30 Gravel 89.2' Sand .1/.1 #31 Sand .2/.2 still cloudy and muddy
9/21/2008						9.5	8.5					<u> </u>			#30 Added Gravel up to 59.4 Sand .01/.05 #31 Sand .2/.3
9/22/2008						4	8.75		$\neg$			<u> </u>	十		#30 Sand .05/.05 #31 Sand .3/.3 Still cloudy and muddy
9/23/2008	I					0	9								#30 Constant Rate Test #31 Gravel 88.9' Sand .5/.5
9/24/2008		]				0	2.5						1		#30 Step Test #31 Sand .5/.3
End rotation													1	1	
T	$\Box$											Ī	十	- 1	
9/29/2008						1							一十	9	9/29/08-10/7/08 3W-30 Done 3W-31 Waiting for Test Pump
9/30/2008													$\neg$	1	The state of the s
10/1/2008												Γ'''	一		
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**Palm Beach County** Water Utilities Department Service Area (SA) and Major Facilities

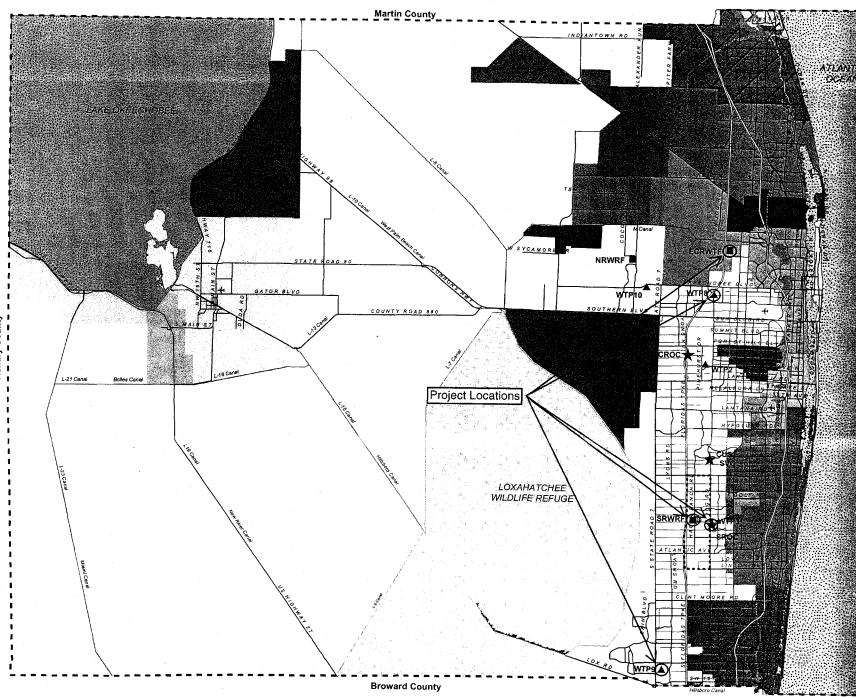
Legend

P.B.C.W.U.D. SA

\* Administration

Wetlands

# ---- MANDATORY RECLAIMED SA - - Palm Beach County Limits ■ Water Reclaimation Facility ▲ Water Treatment Facility



Contractor: Southeast Drilling Services, Inc. P.O. Box 271723 Tampa, Florida 33688

CONTRACT NO. R2006-2473 CONTRACT DATE: 11/21/2006 NOTICE TO PROCEED: 1/17/2007

BUDGET LINE ITEM: 4011-721-W006-6541

DISTRICT NUMBER 2, 3, & 5

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

1. Remove trees and debris from ATT Easement for well installation and wellsite access and add 5 days to complete. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$5,761.00

2. Change 24-inch wellheads to 30-inch wellheads to accommodate connection to the 30-inch steel surface casing instead of connecting to the 24-inch PVC final casing and add 5 days for fabrication. This will also keep the wellheads consistent throughout the wellfields. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$30,381.00

3. Change 24-inch well casing from SDR 26 to Schedule 40 PVC. The Schedule 40 PVC has a larger ID allowing for drilling with a larger drill bit which will increase the surface area of the sand face. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

(\$10,966.00)

4. Install the WTP 9 replacement wells (4) in the same borehole as the existing wells and add 40 days for completion. These wells will enlarge the existing wells from 8-inch diameter to 16-inch diameter. This will include demolition of the well pad, removal of all mechanical and electrical equipment, and pulling the existing well screen and well casing. It will also allow for the utilization of the existing easement, mechanical equipment, and electrical equipment. These additional costs are itemized and described in the attached CPR quote from

\$137,048.00

Southeast Drilling Services, Inc.
Change the well screens from a

5. Change the well screens from a shallow well designed screen to a deep well designed screen. This change will provide for and increase in the open area of the screen and allow for increased flow volumes. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$12,690.00

6. Upgrade the electrical control panels for the WTP 3 Coral Lakes Wells to include emergency generator receptacles and additional appurtenances. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$16,384.00

7. Change the WTP 3 Coral Lakes well pumps from 40 HP to 50 HP. These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$3,543.00

8. Plug and Abandon 4 pad monitor wells at the Lake Region Deep Injection Well and 16 Pad Monitor Wells at the 9 North Deep Injection Well (4), SROC Deep Injection Well (4), and SRWRF Deep Injection Wells (8). These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc.

\$7,799.00

9. Install retaining wall and additional concrete pad at well 8W-22. These \$8,216.00 additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc. Pull and replace well screen in 3W-5 instead of drilling a new well. (\$67,000.00)These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc. Add 4 additional new wells at WTP 3 and add 240 days for drilling and \$1,760,000.00 These additional costs are itemized and described in the attached CPR quote from Southeast Drilling Services, Inc. Total \$1,903,856.00 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: \$4,095,000.00 Net change by previous Change Orders: \$0.00 The Contract Sum prior to this Change Order was: \$4,095,000.00 The Contract Sum will be increased by this Change Order: \$1,903,856.00 The new Contract Sum including this Change Order will be: \$5,998,856.00 The Contract time will be increased by: 290 Days The Date of Substantial Completion including this Change Order: October 3, 2008 The Date of Final Completion including this Change Order: **November 2, 2008** 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 DISTRUPTIONS RESULTING FROM, CAUSED BY, OR 2008:0390 Southeast Drilling Services, Palm Beach County Water **Utilities Department** CONTRACTOR **OWNER** P.O. Box 271723 P.O. Box 16097

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 Palm Beach County Water **Utilities Department ENGINEER** P.O. Box 16097 W. Palm Beach, FL 33416 Tampa, Florida 33688 W. Palm Beach, FL 33416 Address Address Address Signature Signature Bor 2/21/28 Signature Brian Shields. P.E. W.B. Ziegler, V.P. Addie L. Greene, Chairperson **Deputy Director** 20/20/28

DATE

DATE

DATE APPROVED AS TO FORDATE AND LEGAL SUFFICIENCY PAIN BEACH

MAR 1 1 2008 NTY

County Attorney By.

Palm Beach County