

**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: Change Order #1 to CC-1237-06/TLR, Greenwood Lakes Reclaimed Water Interconnection Facilities

DEPARTMENT: Administrative Services

DIVISION: Purchasing and Contracts

AUTHORIZED BY: Frank Raymond

CONTACT: Diane Reed

EXT: 7120

MOTION/RECOMMENDATION:

Approve Change Order #1 to CC-1237-06/TLR with Wharton-Smith, Inc of Lake Monroe, Florida, in the amount of \$85,756.00 for permits and unforeseen modifications that were necessary due to deficiencies in the yard piping and proper restraint of the piping during the construction of Greenwood Lakes Reclaim Tank 2.

County-wide

Ray Hooper

BACKGROUND:

CC-1237-06/TLR provides for all labor, materials, equipment and transportation necessary to construct a reclaimed water ground storage tank with associated piping, electrical, instrument controls and civil site work at the Greenwood Lakes Waste Water Treatment Facility. Alternate bid items were accepted for a rapid infiltration basic valve replacement and existing influent reclaimed water valve assembly modifications.

The scope of work under the Agreement includes one 1.75 MG pre-stressed concrete reclaimed water ground storage tank with piping, gravity ventilator, man-way, access hatch, hand railing and toe plate, liquid level indicator and associated appurtenances. In addition, this scope also provides a flow metering system for the reclaimed water system and all associated piping and appurtenances, electrical controls and instrumentation systems, SCADA system modifications, stormwater management system modifications, solid sodding, signage and miscellaneous site work with associated yard piping.

Change Order #1 will provide for additional modifications needed to the yard piping to address deficiencies uncovered after the construction project began. The deficiencies stemmed from the use of incorrect as-builts for this project that were approximately 15 years old. Change Order #1 will also provide for the required permits necessary for the project.

The following is a summary of the Agreement cost:

Original Agreement	\$1,657,000.00
Change Order #1	<u>85,756.00</u>
Revised Agreement Total	\$1,742,756.00

BAR #07-85 was presented to the Board on 8/28/07, and funds are available in account 040103.169100, CIP #00182901, Greenwood Lk Booster Station.

STAFF RECOMMENDATION:

Staff recommends that the Board approve Change Order #1 to CC-1237-06/TLR with Wharton-Smith, Inc of Lake Monroe, Florida, in the amount of \$85,756.00 for permits and unforeseen modifications that were necessary due to deficiencies in the yard piping and proper restraint of the piping during the construction of Greenwood Lakes Reclaim Tank 2.

ATTACHMENTS:

1. CC-1237-06 Change Order #1 to Wharton-Smith, Inc.

Additionally Reviewed By:

County Attorney Review (Ann Colby)



SEMINOLE COUNTY, FLORIDA
CHANGE ORDER FOR CONSTRUCTION PROJECTS

PURCHASING & CONTRACTS DIVISION
(407) 665-7116

1101 E. First Street
Sanford, Florida 32771-1468

Contract For. Warton-Smith, Inc.
Contract Date. 12/11/2007

Contract No. CC-1237-06/TLR:

Change Order No. 01 initiation date. 06/29/2007
You are requested to make the following change(s) in this contract: Increase contract sum

Reason for change(s):
See attachments: Final change order attachments with contractor proposals 1 thru 5

Original Contract Sum.....	\$ 1,657,000.00
Contract sum prior to this change order.....	\$ 1,657,000.00
Change order (increase)	\$ 85,756.00
New contract sum including this change order will be.....	\$ 1,742,756.00
Contract time will be (unchanged)	
Final completion date through this change order.....	03 October, 2007

Waiver This Change Order constitutes full and mutual accord and satisfaction for the adjustment of Contract Price and Time as a result of increases or decreases in costs and time of performance caused directly and indirectly from the change. Acceptance of this Waiver constitutes an agreement between County and Contractor that the Change Order represents an equitable adjustment to the Agreement and that Contractor shall waive all rights to file a Contract Claim of any nature on this Change Order. Execution of this Change Order shall constitute Contractor's complete acceptance and satisfaction that it is entitled to no more costs or time (direct, indirect, impact, etc.) pursuant to this Change Order.

Acknowledgements The aforementioned change, and work affected thereby, is subject to all provisions of the original Agreement not specifically changed by this Change Order; and it is expressly understood and agreed that the approval of the Change Order shall have no effect on the original agreement other than matters expressly provided herein.

NOT VALID UNTIL SIGNED BY OWNER AND CONTRACTOR AND ARCHITECT/ENGINEER AS APPLICABLE.

Carol Hunter
Project Manager
Environmental Services/P&E
Department/Division
By: [Signature]
Date: 7/23/07

Benjamin M. Fries
Architect/Engineer CPH Engineers
500 W. Fulton St.
Sanford, FL
Address
By: Benjamin M. Fries
Date: 8/16/07

Wharton-Smith, Inc.
Contractor (Seal)
750 Monroe Rd, Sanford, FL
Address
By: Ronald F. Davoli
Date: 7/19/07

Approved as to form & legal sufficiency:

[Signature]
County Attorney
8/17/07
Date

SEMINOLE COUNTY BOARD
OF COUNTY COMMISSIONERS

Date: _____

[Signature]
JUDY J. PETERSON
Notary Public, State of Florida
My comm. exp. Feb. 17, 2010
Comm. No. DD 507595



SEMINOLE COUNTY

FINAL CHANGE ORDER ATTACHMENT

Project Name. Greenwood Lakes Reclaimed Water Interconnection Facilities						
Project/Agreement No. CC-1237-06/TLR						
Change order 01 PROPOSAL No. 01						
Item	Description	Qty	Unit	Unit Price	Qty Incr/Decr	Amount
1	Permit, City of Lake Mary	1	Fee			\$16,570.00 ✓
2	Permit, Florida Department of Environmental Protection	1	Fee			\$150.00 ✓
3	Permit, Lake Mary Building Department	1	Fee			\$25.00 ✓
4	Remove existing 12" reclaimed water line	1	LS			\$3,190.00 ✓
5	Provide temporary bypass piping	1	LS			\$1,610.00 ✓
6	Cap existing Reclaim Water line	1	LS			\$459.00 ✓
7	Disassemble, Furnish and install mega lug restraints on existing 24" line	1	LS			\$7,195.00 ✓
8	Credit for sleeve, tee, MJ90	1	LS			(\$6,742.00) ✓
8	Additional excavations	1	LS			\$825.00 ✓
9	Additional sod	1	LS			\$225.00 ✓
Total:						\$23,507.00 ✓

CITY OF LAKE MARY - BUILDING AND LIFE SAFETY DIVISION
 911 WALLACE COURT, LAKE MARY, FL 32746
 (407) 585-1360/1361 INSPECTIONS (407) 585-1441
 *****B U I L D I N G P E R M I T*****

Application Number	07-00000101	Page	2
Property Address	1120 WAILUA LANE	Date	3/07/07
Parcel Number	24-20-29-300-001D-0000-		
Alternate ID Description			
Application description	STRUCTURES OTHER THAN BLDG		
Subdivision Name			
Property Use			
Property Zoning	UNKNOWN		
Permit	2002 PERMIT FEE		
Additional desc			
Phone Access Code	463281		

Required Inspections

Seq	Phone Insp#	Insp Code	Description	Initials	Date
10	101	B101	FOOTING	_____	____/____/____
10	301	P301	PLBG U/G & H2O PRESSURE TEST	_____	____/____/____
10	202	E202	U/G ELECTRIC	_____	____/____/____
20	530	F530	SPRINKLER VISUAL	_____	____/____/____
30	102	B102	SLAB	_____	____/____/____
40	104	B104	LINTEL/TIE BEAM/FILL CELL/COL	_____	____/____/____
50	105	B105	ROOF SHEATHING	_____	____/____/____
60	116	B116	ROOF DRY-IN	_____	____/____/____
70	113	B113	RATED ASSEMBLY FASTENING	_____	____/____/____
80	204	E204	ROUGH ELECTRIC-COMMERCIAL	_____	____/____/____
80	401	M401	ROUGH MECHANICAL	_____	____/____/____
80	302	P302	2ND ROUGH PLUMBING	_____	____/____/____
80	519	F519	ROUGH ALARM	_____	____/____/____
90	106	B106	FRAMING	_____	____/____/____
100	115	B115	BUILDING CEILING COVER	_____	____/____/____
100	207	E207	CEILING ELECTRIC	_____	____/____/____
100	405	M405	MECHANICAL CEILING COVER	_____	____/____/____
100	307	P307	PLUMBING CEILING COVER	_____	____/____/____
100	506	F506	SPRINKLER HANGER	_____	____/____/____
110	111	B111	INSULATION	_____	____/____/____
999	305	P305	SEWER/SEPTIC TIE IN	_____	____/____/____
999	522	F522	ALARM ACCEPTANCE /FINAL ALARM	_____	____/____/____

INSPECTIONS MUST BE CALLED IN BY 3:00P.M. TO BE DONE THE FOLLOWING WORKDAY. NO EXCEPTIONS. (407) 585-1441
 *****ALL SUBCONTRACTORS HAVE TO PULL SEPERATE PERMITS*****

CITY OF LAKE MARY - BUILDING AND LIFE SAFETY DIVISION
 911 WALLACE COURT, LAKE MARY, FL 32746
 (407)585-1360/1361 INSPECTIONS (407)585-1441
 *****B U I L D I N G P E R M I T*****

Application Number	07-00000101	Page	3
		Date	3/07/07
Application Number	07-00000101	Page	4
Property Address	1120 WAILUA LANE	Date	3/07/07
Parcel Number	24-20-29-300-001D-0000-		
Alternate ID Description			
Application description	STRUCTURES OTHER THAN BLDG		
Subdivision Name			
Property Use			
Property Zoning	UNKNOWN		
Permit	2002 PERMIT FEE		
Additional desc			
Phone Access Code	463281		

Required Inspections

Seq	Phone Insp#	Insp Code	Description	Initials	Date
999	511	F511	SPRINKLER FINAL	_____	____/____/____
999	211	E211	PRE-POWER	_____	____/____/____
999	201	E201	TEMPORARY POWER	_____	____/____/____
999	524	F524	FIRE PRE-POWER	_____	____/____/____
1000	123	B123	FINAL BUILDING	_____	____/____/____
1000	214	E214	FINAL ELECTRIC	_____	____/____/____
1000	526	F526	FINAL FIRE	_____	____/____/____
1000	412	M412	FINAL MECHANICAL	_____	____/____/____
1000	308	P308	FINAL PLUMBING	_____	____/____/____

Wharton-Smith, Inc.

C090027

3-08-07

215179

INVOICE NUMBER	INV. DATE	GROSS AMT.	RETAINAGE	DISCOUNT	NET AMOUNT
030807ckrq	3-08-07	16570.00	.00	.00	16570.00
City of Lake Mary		16570.00	.00	.00	16570.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

14C (M) CHECK BY MICHELE AARF (4-06) 06 10552707 103238 710118 107000



Wharton-Smith, Inc.

750 Monroe Road
P.O. Box 471028
Lake Monroe, FL 32747
(407) 321-8410

Wachovia Bank, N.A.
Orlando, Florida

83-751
631

DATE CHECK NO. AMOUNT
March 8, 2007 215179 \$*****16,570.00

Pay: *****Sixteen thousand five hundred seventy dollars and no cents

PAY City of Lake Mary
TO THE
ORDER OF

Vendor File Copy
** VOID * VOID * VOID **
OPERATING ACCOUNT
**** NOT NEGOTIABLE ****

Wharton-Smith, Inc.

F120044

1-31-07

213252

INVOICE NUMBER	INV DATE	GROSS AMT	RETAINAGE	DISCOUNT	NET AMOUNT
012907CKRQ	1-29-07	150.00	.00	.00	150.00
FL Department of Enviromental		150.00	.00	.00	150.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

TAC 218 0248Y 90000912-407414-848006 01000007004104 010102 10000



Wharton-Smith, Inc.

750 Monroe Road
P.O. Box 471028
Lake Monroe, FL 32747
(407) 321-8410

Wachovia Bank, N.A.
Orlando, Florida

83-751
631

DATE: January 31, 2007
CHECK NO.: 213252

AMOUNT: \$*****150.00

Pay: *****One hundred fifty dollars and no cents

PAY TO THE ORDER OF: FL Department of Enviromental Protection

Vendor File Copy

** VOID * VOID * VOID **

OPERATING ACCOUNT

**** NOT NEGOTIABLE ****

Wharton-Smith, Inc.

L010062

1-24-07

212889

INVOICE NUMBER	INV. DATE	GROSS AMT	RETAINAGE	DISCOUNT	NET AMOUNT
011907CKRQ	1-19-07	25.00	.00	.00	25.00
Lake Mary Building Department		25.00	.00	.00	25.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

TAC (14) 30853471500CF924AF446160E 10/2007 01/01 212889 25.00



Wharton-Smith, Inc.

750 Monroe Road
P.O. Box 471028
Lake Monroe, FL 32747
(407) 321-8410

Wachovia Bank, N.A.
Orlando, Florida

63-751
831

DATE CHECK NO.
January 24, 2007 212889

AMOUNT
\$*****25.00

Pay: *****Twenty-five dollars and no cents

PAY
TO THE
ORDER OF

Lake Mary Building Department

Vendor File Copy

** VOID * VOID * VOID **

OPERATING ACCOUNT

**** NOT NEGOTIABLE ****

Summary



PROPOSAL SUMMARY 01

Revision 3

#	DESCRIPTION	NOTES																		
1	Furnish Supervision, Labor Material and Equipment to complete the following Yard Piping Modifications	<table border="1"> <thead> <tr> <th colspan="2">Breakdown</th> </tr> </thead> <tbody> <tr> <td>\$</td> <td>3,190.00</td> </tr> <tr> <td>\$</td> <td>1,610.00</td> </tr> <tr> <td>\$</td> <td>459.00</td> </tr> <tr> <td>\$</td> <td>7,195.00</td> </tr> <tr> <td>\$</td> <td>(6,742.00)</td> </tr> <tr> <td>\$</td> <td>825.00</td> </tr> <tr> <td>\$</td> <td>225.00</td> </tr> <tr> <td>Total</td> <td>\$ 6,762.00</td> </tr> </tbody> </table>	Breakdown		\$	3,190.00	\$	1,610.00	\$	459.00	\$	7,195.00	\$	(6,742.00)	\$	825.00	\$	225.00	Total	\$ 6,762.00
Breakdown																				
\$	3,190.00																			
\$	1,610.00																			
\$	459.00																			
\$	7,195.00																			
\$	(6,742.00)																			
\$	825.00																			
\$	225.00																			
Total	\$ 6,762.00																			
2	Remove existing 12' reclaimed water line and plug starting at the valve vault in the SE corner of																			
3	the site to 10'-0 beyond the proposed 1.75 MG reclaimed water GST & dispose of offsite.																			
4	Provide temporary by- pass piping at the interconnecting valve station.																			
5	Cap existing 12" RCW line at two (2) additional locations.																			
6	Disassemble, Furnish and Install Mega Lug Restrains on existing 24" Line at tie-in location on existing GST.																			
7	Provide credit for 30" Sleeve 30 x 24" Tee, 16" MJ 90 etc.																			
8	Additional exploratory excavation																			
9	Sod additional disturbed areas																			
10																				
11	The duration for the additional work outlined in this proposal is 0 working days.																			
12	The Contract Time Extension due to this <u>Change Order</u> is <u>0</u> working days.																			
13	MATERIALS	TOTAL																		
14		\$ (1,230.60)																		
15		Tax 7.00% \$ (86.14) \$ (1,316.74)																		
16		Markup 15.0% \$ (197.51) \$ (1,514.25)																		
17		\$ (1,514.25)																		
18																				
19	LABOR	HRS	AVG \$ / HR	TOTAL																
20		44.4	\$ 38.98	\$ 1,730.49																
21			Markup 15.0% \$ 259.57	\$ 1,990.07																
22			\$ 1,990.07																	
23																				
24	TOOLS & EQUIPMENT		TOTAL																	
25			\$ 741.32																	
26			Tax 6.75% \$ 50.04 \$ 791.35																	
27			Markup 15.0% \$ 118.70 \$ 910.06																	
28			\$ 910.06																	
29																				
30	SUBCONTRACTS	INV		TOTAL																
31	Red Fox Trucking			\$ 5,025.00																
32				\$ -																
33																				
34			Subtotal	\$ 5,025.00																
35			Markup 5.0% \$ 251.25	\$ 5,276.25																
36			\$ 5,276.25																	
37																				
38	OTHER	QTY	REFERENCE	TOTAL																
39	Extended Project Overhead	0	Days * Cost Per Day	\$ 600.00 \$ -																
40	Additional Insurance	0.00%	M + L + T&E + S	\$ 6,662.12 \$ -																
41	Additional Bond	1.50%	M + L + T&E + S	\$ 6,662.12 \$ 99.93																
42			Subtotal	\$ 99.93																
43			Markup 0.0% \$ 99.93	\$ -																
44			\$ 99.93																	
45																				
46	FINAL QUOTE TOTAL		TOTAL																	
47			\$ 6,762.05																	
48	Submitted By	David J Blanchard																		
49			\$6,762																	

**SEMINOLE COUNTY
CHANGE ORDER ATTACHEMENT**

Project Name Greenwood Lakes tank #2						
Project/Agreement No. CC-1237-06/TLR				WBS. # 10403002		
Change Order 01 ; PROPOSAL No. 02 AND 03						
Item	Description	Qty	Unit	Unit Price	Qty Incr/Decr	Amount
01	For the wet tap at valve station to the RIB's. Furnish 24" resilient seat type valve with bevel gear operator in lieu of double disc type valve with std 2" nut in vertical.	01	LS			\$1,654.00 ✓
02	For the new tank #2. The 24" outlet line interconnection. Furnish and install three additional 24" restrained mech. jt. fittings to cross under the existing 24" fill line on tank #1.	01	LS			\$6,049.00 ✓
Total:						\$7,703.00 ✓

Summary

Seminole County, Florida

Greenwood Lakes Interconnection Facility
 Owners Contract Number: CC-1237-06/TLR



PROPOSAL SUMMARY 02

Revision 1

#	DESCRIPTION	NOTES		
1	Reference Specification Section 15100 2.03.D.1 & .3			
2				
3	Furnish Resilient Seat Tapping Valve with Bevel Gear Operator in Lieu of Double Disc Gate	See Attached Quote From HD Supply		
4	Valve with Standard 2" Nut Operator as Specified.			
5				
6				
7				
8	The duration for the additional work outlined in this proposal is 0 working days.			
9	The Contract Time Extension due to this <u>Change Order</u> is <u>0</u> working days.			
10	MATERIALS	TOTAL		
11	From Page 2 ,	\$ 1,324.62		
12	Tax 7.00% \$ 92.72	\$ 1,417.34		
13	Markup 15.0% \$ 212.60	\$ 1,629.94		
14		\$ 1,629.94		
15				
16	LABOR	HRS	AVG \$ / HR	TOTAL
17	From Page 3	0	#DIV/0!	\$ -
18	Markup 15.0%	\$ -	\$ -	\$ -
19				\$ -
20				
21	TOOLS & EQUIPMENT	TOTAL		
22	From Page 4	\$ -		
23	Tax 6.75%	\$ -	\$ -	\$ -
24	Markup 15.0%	\$ -	\$ -	\$ -
25				\$ -
26				
27	SUBCONTRACTS	INV	TOTAL	
28			\$ -	
29			\$ -	
30				
31		Subtotal	\$ -	
32		Markup 10.0%	\$ -	\$ -
33				\$ -
34				
35	OTHER	QTY	REFERENCE	TOTAL
36	Extended Project Overhead	0 Days * Cost Per Day	\$ 600.00	\$ -
37	Additional Insurance	0.00% M + L + T&E + S	\$ 1,629.94	\$ -
38	Additional Bond	1.50% M + L + T&E + S	\$ 1,629.94	\$ 24.45
39		Subtotal	\$ 24.45	\$ 24.45
40		Markup 0.0%	\$ 24.45	\$ -
41				\$ 24.45
42				
43	FINAL QUOTE TOTAL	TOTAL		
44			\$ 1,654.39	
45	Submitted By	David J Blanchard		
46			\$1,654	✓



WATER & SEWER TREATMENT PLANT SALES

6525 U.S. HWY 301 NORTH

TAMPA, FL 33610

PH# (813) 630-4142

FX# (813) 630-9492

JOB NAME: GREENWOOD LAKES	BIDS:
GC: WHARTON SMITH	ATTN: David Blanchard

QTY	SIZE	DESCRIPTION	UNIT	TOTAL
		Tapping Valve	1	LS
		Per Specification -		
-1	24"	Mueller H-667 Stand Up Double Disc Tapping Valve	(list price) \$ 19,222.77	\$ (19,222.77)
			discount multiplier	.456
			Sell Price	\$ (8,765.58)
		Per Shop Drawings Approval comments		
1	24"	Mueller T-2361-19 Stand Up Resilient Wedge Tappin Valve	\$ 19,222.77	\$ 19,222.77
			discount multiplier	.435
			Sell Price	\$ 8,361.90
		and		
		Per Shop Drawings Approval comments		
1		Bevel gear for T-2361-19 24" Tapping valve	\$ 3,456.60	\$ 3,456.60
			discount multiplier	.5
			Sell Price	\$ 1,728.30
		Additional Price for Bevel Gear - Tax Not Included		\$ 1,324.62

NOTICE: DUE TO CURRENT MARKET VOLATILITY, PRICING FOR THIS PROJECT IS FIRM FOR AN ACCEPTANCE FOR A PERIOD OF 30 DAYS AFTER DATE OF BID. WE WILL MAKE EVERY EFFORT TO PRESERVE PRICING INTEGRITY FOR AS LONG AS POSSIBLE, BUT WE WILL BE UNABLE TO GUARANTEE PRICING BEYOND THAT POINT. WE ADVISE BIDDERS TO BE AWARE OF POTENTIAL POTENTIAL INCREASES IN MATERIAL COSTS AND PLAN ACCORDINGLY. WE REGRET THIS SITUATION AND WILL DO ALL WE CAN TO ASSIST OUR CUSTOMERS IN THEIR ENDEAVORS. HOWEVER, WE HAVE NO WAY TO CONTROL THE CONSTANT ESCALATION IN RAW MATERIAL COSTS THAT ARE THE DRIVING FORCE IN THE UPWARD SPIRAL OF FINISHED GOODS PRICING.

Summary

Seminole County, Florida

Greenwood Lakes Interconnection Facility
 Owners Contract Number: CC-1237-06/TLR



PROPOSAL SUMMARY 03

Revision 1

#	DESCRIPTION	NOTES
1	FURNISH AND INSTALL THREE (3) ADDITIONAL 24"RESTRAINED FITTINGS ON NEW GROUND STORAGE	
2	TANK EFFLUENT LINE	
3	(2) MJ 45, (1) MJ 90, (6) MEGALUGS	
4		
5	FITTINGS WERE REQUIRED TO RESOLVE THE INTERFERENCE WITH EXISTING UNDERGROUND	
6	RECLAIM WATER STORAGE TANK EFFLUENT LINE.	
7		
8	The duration for the additional work outlined in this proposal is 0 working days.	
9	The Contract Time Extension due to this <u>Change Order</u> is 0 working days.	
10	MATERIALS	TOTAL
11	(2) MJ 45, (1) MJ 90, (6) MEGALUGS	\$ 3,883.00
12	Tax 7.00%	\$ 271.81 \$ 4,154.81
13	Markup 15.0%	\$ 623.22 \$ 4,778.03
14		\$ 4,778.03
15		
16	LABOR	HRS
17		0
18	Markup 15.0%	\$ - \$ -
19		\$ -
20		
21	TOOLS & EQUIPMENT	TOTAL
22		\$ -
23	Tax 6.75%	\$ - \$ -
24	Markup 15.0%	\$ - \$ -
25		\$ -
26		
27	SUBCONTRACTS	INV
28	RED FOX	
29		
30		
31	Subtotal	\$ 1,125.00
32	Markup 5.0%	\$ 56.25 \$ 1,181.25
33		\$ 1,181.25
34		
35	OTHER	QTY
36	Extended Project Overhead	0 Days * Cost Per Day
37	Additional Insurance	0.00% M + L + T&E + S
38	Additional Bond	1.50% M + L + T&E + S
39	Subtotal	\$ 89.39
40	Markup 0.0%	\$ 89.39 \$ -
41		\$ 89.39
42		
43	FINAL QUOTE TOTAL	TOTAL
44		\$ 6,048.67
45	Submitted By David J Blanchard	
46		\$6,049



**SEMINOLE COUNTY
FINAL CHANGE ORDER ATTACHEMENT**

Project Name: Greenwood Lakes tank #2						
Project/Agreement No. CC-1237-06/TLR				WBS. 10403002		
Change Order 01 ; PROPOSAL No. 04						
Item	Description	Qty	Unit	Unit Price	Qty Incr/Decre	Amount
01	Add 24 ea. Joint restraints to existing 24" ductile iron pipe. This pipe was discovered to be unrestrained after uncovering. The demolition activities of the project will make changes to the configuration of the buried pipe that would now require that it be restrained. See contractor proposal No. 04 and RFI-07	01	LS			\$49,812
02	Deductive amount for each of restraints that are discovered to be not needed upon excavation of pipe joints.	TBD	Ea.	(\$1,567)		
Total:						\$49,812 ✓

Summary

Seminole County, Florida

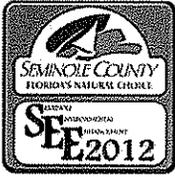
Greenwood Lakes Interconnection Facility
 Owners Contract Number: CC-1237-06/TLR



PROPOSAL SUMMARY 04

Revision 1

#	DESCRIPTION	NOTES
1	Furnish and Install Twenty Four (24) Harness Restraints on the Existing 24"DI Pipe with Respect to Reclaim	
2	Valve Assembly Modifications, Ref. Sheet 7, In Accordance With DI Pipe Restraint Table On Sheet 9	
3	Six (6) Each on Each North Leg - (Vertical 90 Up , 97 LF)	
4	Six (6) Each on Each West Leg - (Vertical 90 Up - 97 LF)	
5	Twelve (12) Each on South Leg - (Dead End - 197 LF)	
6	One (1) North of Tapping Sleeve Eleven (11) South of Tapping Sleeve	
7	Deduct for Each Harness Restraint Not Required Above (\$1,567.00)	
8	The duration for the additional work outlined in this proposal is 0 working days.	
9	The Contract Time Extension due to this <u>Change Order</u> is <u>0</u> working days.	
10	MATERIALS	TOTAL
11		\$ 23,800.00
12	Tax 7.00%	\$ 1,666.00 \$ 25,466.00
13	Markup 15.0%	\$ 3,819.90 \$ 29,285.90
14		\$ 29,285.90
15		
16	LABOR	HRS
17		320
18		AVG \$ / HR
19		\$ 31.47 \$ 10,060.31
20	Markup 15.0%	\$ 1,509.05 \$ 11,569.36
21		\$ 11,569.36
22		
23	TOOLS & EQUIPMENT	TOTAL
24		\$ 6,302.67
25	Tax 6.75%	\$ 425.43 \$ 6,728.10
26	Markup 15.0%	\$ 1,009.21 \$ 7,737.31
27		\$ 7,737.31
28		
29	SUBCONTRACTS	INV
30	Sod	
31		
32		TOTAL
33		\$ 460.00
34		\$ -
35		
36		Subtotal \$ 460.00
37		Markup 5.0% \$ 23.00 \$ 483.00
38		\$ 483.00
39		
40	OTHER	QTY
41	Extended Project Overhead	0 Days * Cost Per Day
42	Additional Insurance	0.00% M + L + T&E + S
43	Additional Bond	1.50% M + L + T&E + S
44		
45		REFERENCE
46		\$ 600.00 \$ -
47		\$ 49,075.57 \$ -
48		\$ 49,075.57 \$ 736.13
49		
50		Subtotal \$ 736.13
51		Markup 0.0% \$ 736.13 \$ -
52		\$ 736.13
53		
54	FINAL QUOTE TOTAL	TOTAL
55		\$ 49,811.70
56	Submitted By	David J Blanchard
57		\$49,812



CONTRACTOR REQUEST FOR INFORMATION

REQUEST NO: 007

PROJECT: Greenwood Lakes Reclaimed Water Interconnection Facilities

PROJECT CC-1237-06/TLR
CIP # 00182901

CONTRACTOR: Wharton Smith, Inc.

Clarification Requested By: David J Blanchard

Regarding: Plan Sheet 7 of _____ Spec. 15100

Description:

Existing Influent Reclaim Valve Assembly Modifications- Sheet No. 7

Two sections of the existing 24" DI pipe are to be removed from Reclaim Valve Vault as shown on sheet 7, as a result this creates one (1) dead end and two (2) 90 degree, vertical up, conditions on the existing underground piping. Furthermore, exploratory excavation as revealed that the existing underground 24" DI pipe is unrestrained, bell & spigot, consequently will there need to be any restraints added to the remaining existing pipe joints on the three (3) 24" legs of DI pipe?"

David J Blanchard

Prepared by

May 22, 2007

Date

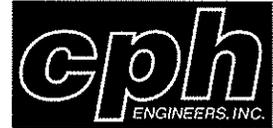
Engineer's Response:

Project Manager Design Manager _____

Signed

Date

EXHIBIT 9.5-16
RFI Form



Memo

CPH Engineers, Inc.
500 West Fulton Street
Sanford, Florida 32772
Phone: 407-322-6841
Fax: 407-330-0639
www.cphengineers.com

Date: May 22, 2007
To: Thomas Wicks, Program Manager CH2MHill
Re: Greenwood Lakes Reclaimed Water Interconnection Facilities
Existing Pipe Restraint at Reclaimed Valve Vault (RFI No. 007)
CPH Job No.: B6001.02

Tom,

On May 22, Wharton Smith submitted the attached RFI No. 007 which requests a review of the need to add restrained joints on the existing reclaimed water influent mains at the existing Reclaim Valve Vault where pipe sections are being removed from service.

It is our recommendation that the Contractor install restrained joint assemblies on all existing joints within the recommended distances shown on the restrained joint table "PIPE RESTRAINT FOR D.I. PIPE MINIMUM RESTRAINED LENGTH (FT) - EACH SIDE OF FITTING", on Sheet 9, "Miscellaneous Piping Details" of the contract drawings.

Should you have any questions or if we can be of any further assistance, please do not hesitate to contact us.

From the desk of:

**Michael L. Coggon
Sr. Engineer Tech
CPH Engineers, Inc.
500 West Fulton Street
Sanford, FL 32771**



**SEMINOLE COUNTY
FINAL CHANGE ORDER ATTACHEMENT**

Project Name: Greenwood Lakes tank #2						
Project/Agreement No. CC-1237-06/TLR				WBS. 10403002		
Change Order 01 : PROPOSAL No. 05						
Item	Description	Qty	Unit	Unit Price	Qty Incr/Decr	Amount
01	Construction plans called for line to be isolated with valve then 24" pipe to be cut and a 24"x12" tee added to line to connect the new reclaimed storage tank to system tank fill line. This valve will not close fully and a system outage is not possible at this time. A wet tap will be done at this location instead. See contractor proposal.	01	LS			\$4,734.
Total:						\$4,734 ✓

Summary

Seminole County, Florida

Greenwood Lakes Interconnection Facility
 Owners Contract Number: CC-1237-06/TLR



PROPOSAL SUMMARY 05

Revision

#	DESCRIPTION	NOTES		
1	Furnish and Install 24" x 12" Wet Tap for 12" Influent To New Reclaim Storage Tank Including:			
2	1- 24" Stainless Steel Tapping Sleeve (JCM 452) 1-12" Tapping Valve			
3	Credit for 24" MJ Sleeve and 24" x 12" MJ Tee, and Accessories			
4				
5				
6				
7				
8	The duration for the additional work outlined in this proposal is 0 working days.			
9	The Contract Time Extension due to this <u>Change Order</u> is <u>0</u> working days.			
10	MATERIALS	TOTAL		
11		\$ 2,980.00		
12	Tax 7.00% \$ 208.60	\$ 3,188.60		
13	Markup 15.0% \$ 478.29	\$ 3,666.89		
14		\$ 3,666.89		
15				
16	LABOR	HRS	AVG \$ / HR	TOTAL
17		0	#DIV/0!	\$ -
18	Markup 15.0%		\$ -	\$ -
19				\$ -
20				
21	TOOLS & EQUIPMENT	TOTAL		
22	Small Tools			\$ -
23	Tax 6.75%		\$ -	\$ -
24	Markup 15.0%		\$ -	\$ -
25				\$ -
26				
27	SUBCONTRACTS	INV	TOTAL	
28	Tapping Service			\$ 950.00
29				\$ -
30				
31	Subtotal			\$ 950.00
32	Markup 5.0%		\$ 47.50	\$ 997.50
33				\$ 997.50
34				
35	OTHER	QTY	REFERENCE	TOTAL
36	Extended Project Overhead	0	Days * Cost Per Day	\$ 600.00
37	Additional Insurance	0.00%	M + L + T&E + S	\$ 4,664.39
38	Additional Bond	1.50%	M + L + T&E + S	\$ 4,664.39
39	Subtotal			\$ 69.97
40	Markup 0.0%		\$ 69.97	\$ -
41				\$ 69.97
42				
43	FINAL QUOTE TOTAL		TOTAL	
44				\$ 4,734.36
45	Submitted By	David J Blanchard		
46				\$4,734