

Ruth Nettles

080597-WS

From: James Ade [JAde@jaxbusinesslaw.com]
Sent: Tuesday, May 12, 2009 3:39 PM
To: Filings@psc.state.fl.us
Cc: John Mann; Bob Casey; Richard Redemann; wjdeaspa@bellsouth.net; jfg@guastella.com; guastella_newyork@msn.com; Randall Corbin
Subject: Southlake Utilities, Inc.
Attachments: Ann Cole - 5-12-09.pdf

a. Person Responsible for Filing

James L. Ade
841 Prudential Drive, Suite 1400
(904) 858-0123
ja@jaxbusinesslaw.com.

b. Docket Number and Title

Docket Number: 080597-WS
Title: Application of Southlake Utilities, Inc. For Increased Water and Wastewater Rates In Lake County

c. Party On Whose Behalf Documents Are Filed

Southlake Utilities, Inc.

d. Total Number of Pages in Each Document

16 Pages

e. Brief Description of Each Attached Document

Letter dated May 12, 2009, to Ms. Ann Cole, Commission Clerk, with the following attachments;

- CH2MHill Memorandum re: Wastewater Treatment Plant Unit Cost Calculation with Attachments A and B
- Guastella Associates, Inc. Estimated Plant Projection Costs for Ave Maria Utilities, Inc. from Initial Rate Study

James L. Ade
841 Prudential Drive, Suite 1400
Jacksonville, Florida 32207
Telephone: (904) 858-0123
Fascimile: (904) 858-0124
e-mail: JLA@jaxbusinesslaw.com

DOCUMENT NUMBER-DATE

04589 MAY 12 8

FPSC-COMMISSION CLERK

JAMES L. ADE, P.L.
ATTORNEY AT LAW
841 PRUDENTIAL DRIVE - SUITE 1400
JACKSONVILLE, FLORIDA 32207
(904) 858-0123
FACSIMILE (904) 858-0124
JLA@JAXBUSINESSLAW.COM

May 12, 2009

Ms. Ann Cole, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Dear Ms. Cole:

In connection with the Application of Southlake Utilities, Inc. ("Applicant") for increased water and wastewater rates in Lake County ("Application"), Docket No. 080597-WS, enclosed please find (1) CH2M Hill Memorandum re: Wastewater Treatment Plant Unit Cost Calculations with Attachments A&B, and (2) Guastella Associates, Inc. Estimated Plant Projection Costs for Ave Maria Utilities, Inc. from Initial Rate Study.

I trust that this letter and the attachments will be in order for filing. If, however, you have any questions or need any additional information concerning this matter, please do not hesitate to contact me.

Sincerely,

s/ James L. Ade

James L. Ade

JLA/lefr

cc: Mr. John Mann w/enc.
Mr. Bob Casey w/enc.
Mr. Richard Redemann w/enc.
William J. Deas, Esquire w/enc.
Mr. John Guastella w/enc.
Mr. Gary White w/enc.
Mr. Randall Corbin w/enc.

DOCUMENT NUMBER-DATE

04589 MAY 12 8

FPSC-COMMISSION CLERK

Wastewater Treatment Plant Unit Cost Calculations

TO: South Lake Utilities
COPIES: Ed Davis, Mike Albert
FROM: CH2M HILL
DATE: May 7, 2009

South Lake Utilities is considering the construction of a new water reclamation facility (WRF) to treat influent wastewater. In order to help fund this facility, a rate increase to the Utilities customers is under consideration. To aid in determining the required rate increases to fund this project, CH2M HILL has gathered construction cost data from two green-field WRF projects and calculated a unit cost per gallon for these facilities.

The two projects chosen for this analysis are:

- **Ave Maria WRF.** This project was constructed in 2005 by CH2M HILL Constructors, Inc (CCI). Attachment A includes the contract authorizing CCI to begin construction of the facility and a construction cost for the WRF portion of the contract (a water treatment plant was also included as part of the contract). The Ave Maria WRF included a 1.25 MGD package treatment plant, headwork structure, aeration blowers, sludge facilities, tertiary filter, chlorine contact basin, recycled water pump station, operations building and a portion of the associated civil/site work.
- **Ocala WRF.** This project was constructed in 2001 by Encore Construction Company. Attachment B is a change order form authorized by the City of Ocala City Council and includes construction costs for this facility. The Ocala WRF has a 4 MGD capacity and consists of headwork structures, oxidation ditch, secondary clarifiers, filtration, chemical building, sludge facilities, pump stations, storage ponds, and civil/site work.

Neither of the construction costs noted in the attachments are representative of the total capital costs of the respective projects. To develop a total capital cost from the construction costs noted in the attachments, additional project costs were estimated including design, construction management and escalation of costs to convert project year costs to 2009 dollars. In addition, both projects have some project specific adjustments that were made, using sound engineering judgment, to account for construction costs that are not included or reflected in the contract documents attached. Most notably these include:

- an estimate for the operations building on the Ocala WRF which was completed under a separate contract by separate contractor
- adjustments to the Ave Maria construction cost to account for additional site work performed under a separate contract
- cost escalation for selected line items in the contract which were shared by the water treatment plant that was constructed as part of Ave Maria project.

Project specific adjustments are presented in Table 1. Total capital cost for each project and the \$/gallon unit cost calculations are presented in Table 2.

DOCUMENT NUMBER-DATE

04589 MAY 12 09

FPSC-COMMISSION CLERK

TABLE 1.
Site Specific Adjustments to Construction Costs Noted in Attachments A and B


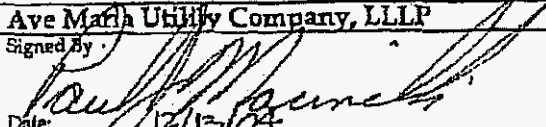
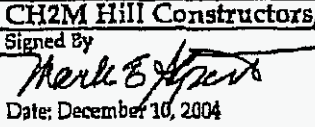
Plant	Item	Additional Cost (Estimated)
Ocala WRF	Operations Building	\$ 200,000
	Reuse System Spray and Drip Irrigation Components and Feed Pumping System*	\$ 1,859,000
Ave Maria WRF	Additional Site Work	\$ 400,000
	Escalation of Selected Line Items that shared costs with the Water Treatment Plant (includes Operations Building, general conditions, start-up, site/civil, electrical, and I&C)	\$ 760,000

* This cost was not estimated but obtained from a separate set of contract documents

TABLE 2.
Capital and Unit Cost Calculations

Plant	Item	Cost
	Contract Cost	\$ 18,728,348
	Adjustments (Table 1)	\$ 2,059,000
	Total 2001 Construction Costs	\$ 20,787,348
Ocala WRF (4 MGD Capacity)	Engineering and Permitting (10%)	\$ 2,078,735
	Services During Construction (8%)	\$ 1,662,988
	Total 2001 Capital Cost	\$ 24,529,071
	Escalation 2001 to 2009 (39%)	\$ 9,566,338
	Total 2009 Capital Cost	\$ 34,095,408
	\$/gal	\$ 8.52
	Contract Cost	\$ 7,825,867
	Adjustments (Table 1)	\$ 1,160,000
	Total 2005 Construction Costs	\$ 8,985,867
Ave Maria WRF (1.25 MGD Capacity)	Engineering and Permitting (10%)	\$ 898,587
	Services During Construction (8%)	\$ 718,869
	Total 2005 Capital Cost	\$ 10,603,323
	Escalation 2005 to 2009 (20%)	\$ 2,120,665
	Total 2009 Capital Cost	\$ 12,723,988
	\$/gal	\$ 10.18

Attachment A

	4350 W. Cypress Street Suite 600 Tampa, FL 33607 Telephone: 813/874-0777 Fax: 813/874-3056	Change Order No. 5	Contract Dated	May 14, 2004
			Change Order Number	5
			Change Order Dated	December 9, 2004
			CCI Project Number	316301
			Page	1 of 1
Owner: Ave Maria Utility Company 2600 Golden Gate Parkway Naples, FL 34105 Contact: David B. Genson, P.E. Project Manager Tele: 239/262-2600	Agreement Compensation			
	1. Original Contract Amount		\$1,224,837.00	
	2. Amount of Previously Approved Change Orders		\$336,590.40	
	3. Contract Amount Prior to the Change (Line 1 + Line 2)		\$1,561,427.40	
	4. Amount Of This Change Order		\$ 15,119,521.00	
5. Total Revised Contract Amount (Line 3 + Line 4)		\$ 16,680,948.40		
Project: Ave Maria Water Treatment Plant & Wastewater Treatment Plant - Phase I		The following changes are hereby made to the Agreement identified by date and number above.		
<p>A. The Agreement, dated May 14, 2004, is modified as follows:</p> <ol style="list-style-type: none"> Article 2.1 - Article is modified to provide for a two step Notice to Proceed (NTP) procedure. No later than December 13, 2004, Client will issue a Limited NTP to CH2M HILL for the completion of Phase I final design services, issuance of major material purchase orders and subcontracts, and submittal review and approval process. Subsequent to issuance of the Limited NTP, but no later than March 23, 2005, the Client shall issue to CH2M HILL a Full NTP for the remaining Phase I construction work. If the Client is unable to issue the Full NTP by the above date the Client shall have one of the following options: <ul style="list-style-type: none"> Client may terminate for convenience per the terms of the Agreement. Client may direct CH2M HILL to terminate the purchase orders and subcontracts authorized by the Limited NTP and renegotiate a new FFP2 price when the full NTP date can be established. This would present AMUC with an additional maximum cost exposure of \$457,709, plus the vendor/sub procurement-submittal costs as detailed in Attachment B. Client may direct CH2M HILL to place purchase orders and subcontracts, authorized by the Limited NTP, on hold with the intent of negotiating potential price escalation with the manufacturers at the time of release. The Client would further agree to increase the FFP2 price to make CH2M HILL whole for any escalation to the FFP2 price. Article 2.21 (c) & (d) - revise the value of PDM Phase I, FFP 1, to \$14,244,300.00; revise the value of PDM Phase II, FFP 1, to \$9,193,000.00 (see Attachment A). This revision provides for the Phase II level construction of the following components in conjunction with Phase I construction: <ul style="list-style-type: none"> Operations Building Degasifier/Scrubber Tertiary Filter Chlorine Contact Basin WTP and WWTP Generator Article 2.25 - The initial payment referenced in Article 2.25 will occur with the issuance of the Full NTP described in Item A.1 of this Change Order. <p>B. The Client accepts Phase I, FFP2 price in the amount of \$14,684,300.00, based on the 70% design documents and the addition of Phase II scopes per item A.2. of this Change Order.</p> <p>C. All other terms and conditions of the contact remain unchanged.</p>				
Ave Maria Utility Company, LLLP		CH2M Hill Constructors, Inc.		
Signed By 		Signed By 		
Date: 12/13/04		Date: December 10, 2004		
Name and Title Paul J. Marinelli As Agent for the General Partnership		Name and Title Mark E. Alpert Vice President CCI/SEW		


Proposed Savings by Constructing Select Phase 2 Facilities in Phase I			
			Rev.12-06-2004
Descriptions	Amount		
	Phase I - FFP1	Phase II - FFP1	Net Savings
Contract Budget	\$ 13,662,000	\$ 10,236,000	
Phase II - FFP1 Costs Moved to Phase I - FFP1:			
Ops Building Sized for Phase II	\$ 40,000	\$ (70,000)	\$ (30,000)
Degasifier Sized for Phase II	\$ 123,000	\$ (308,000)	\$ (185,000)
Tertiary Filters Sized for Phase II	\$ 200,000	\$ (258,000)	\$ (58,000)
Chlorine Contact Basin Sized for Phase II	\$ 90,000	\$ (123,000)	\$ (33,000)
Up-Size Generators to 650-kW, Sized for Phase II	\$ 129,300	\$ (284,000)	\$ (154,700)
Phase I & II FFP1 Scope Adjustment Totals	\$ 582,300	\$ (1,043,000)	\$ (460,700)
Total Revised FFP1 Costs	\$ 14,244,300	\$ 9,193,000	

DATE: 12/06/04
 TIME: 11:00 AM
 PAGE: 7

Pre-Construction Cashflow and Exposure Projections Thru March 2005
Ave Maria Utility Company Phase-1 WTP & WWTP

CH2M Hill Constructors, Inc.
 Date: November 30, 2004

Discipline	Dec-04	Jan-05	Feb-05	Mar-05	Totals
CH2M Procurement Costs:	\$ 20,929	\$ 19,544	\$ 16,903	\$ 16,903	\$ 74,279
CH2M Submittal Review & Approval Costs:	\$ 3,388	\$ 26,944	\$ 28,944	\$ 33,444	\$ 92,720
CH2M Final Design Services Costs:	\$ 109,934	\$ 224,835	\$ 84,835	\$ -	\$ 419,604
Vendor/Sub Procurement/Submittal Costs:	\$ -	\$ -	\$ 35,870	\$ 325,012	\$ 360,882
Vendor Order Cancellation Costs (maximum amount): If approved materials could not be released for fabrication by the end of March this would be the maximum amount of additlonal cost associated with termination of the vendor/sub contracts.					\$ 457,709
Grand Total	\$ 134,251	\$ 271,323	\$ 166,552	\$ 375,359	\$ 1,405,194

	4350 W. Cypress Street Suite 600 Tampa, FL 33607 Tel: 813/874-0777 Fax: 813/874-3056	Change Order No. 6	Contract Dated	May 14, 2004
			Change Order Number	6
			Change Order Dated	September, 2005
			CCI Project Number	316301
			Page	1 of 1
Owner: Ave Maria Utility Co., LLLP 2600 Golden Gate Parkway Naples, FL 34105	Agreement Compensation			
Contact: David B. Genson, P.E. Project Manager	1. Original Contract Amount			\$1,224,837.00
Tele: 239/262-2600	2. Amount of Previously Approved Change Orders			\$15,456,111.40
	3. Contract Amount Prior to the Change (Line 1 + Line 2)			\$16,680,948.40
	4. Amount Of This Change Order			\$ 1,197,178.00
	5. Total Revised Contract Amount (Line 3 + Line 4)			\$ 17,878,126.40
Project Ave Maria Water Treatment Plant & Wastewater Treatment Plant - Phase I				
The following changes are hereby made to the Agreement identified by date and number above.				
A. The Agreement, dated May 14, 2004, is modified as follows:				
1. <u>Article 2.10 - Construction Work Insurance:</u> Delete the text under the above heading and insert the following language: "CH2M HILL agrees to enroll in the Owner Controlled Insurance Program (OCIP) as outlined in Attachment A, Wrap-Up Program, Version 11, dated August 1, 2005."				
2. <u>Article 2.11 - Monthly Progress Reports:</u> Add the following second paragraph: "The original project schedule and monthly progress reports will comply with the requirements of Attachment B - "Contract Schedule."				
3. <u>Article 2.21 - Notices to Proceed:</u> The effective Full Notice to Proceed date is acknowledged as July 18, 2005, which hereby modifies the Substantial and Final Completion dates contained in Appendix A of the Agreement as follows: WTP Substantial Completion - August 23, 2006 WWTP Substantial Completion - September 23, 2006 WTP/WWTP Final Completion - January 21, 2007				
B. Attachment C - Site Logistics Plan for CH2M HILL is hereby made a part of this Agreement.				
C. Firm Fixed Price 2 (FFP2) is modified as follows:				
1. Construction Work Insurance - Cost adjustments associated with the OCIP will be mutually agreed upon and addressed in future change orders.				
2. Adjustment in FFP2 based on Full Notice to Proceed date of July 18, 2005 - Total Increase \$1,197,178.00 - See Attachment D for detailed breakdown.				
D. The following Attachments are hereby incorporated and made a part of the Agreement.				
<ul style="list-style-type: none"> • Attachment A - Wrap-Up Program and Safety Manual • Attachment B - Contract Schedule Specification • Attachment C - Site Logistics Plan for CH2M HILL • Attachment D - Change Order 6 Revised FFP2 Breakdown 				
E. This Change Order takes care of all issues, know or unknown, to this date.				
F. All other terms and conditions of the Agreement remain unchanged.				
Ave Maria Utility Company, LLLP		CH2M Hill Constructors, Inc.		
Signed By		Signed By		
Date:		Date: September 15, 2005		
Name and Title Paul J. Marinelli As Agent for the General Partnership		Name and Title Donald L. Klose Vice President CCI/SEW		

CHANGE ORDER #6 - ATTACHMENT D

Ave Maria Utility Company Phase 1 WTP and WWTP Revised FFP2 Breakdown By Structure

Prepared By: CH2M HILL Constructors, Inc.

Dated: June 20, 2005

	Description	ORIGINAL FFP2 PRICE	REVISED FFP2 PRICE	Variance Amount	% Variance
WTP	Site/Civil	\$ 270,357	312,066	41,709	
	Yard Piping	\$ 591,479	675,722	84,243	
	Odor Control	\$ 498,337	529,534	31,197	
	Chemical Feed	\$ 604,645	703,916	99,271	
	Electrical	\$ 974,117	1,103,199	129,082	
	I&C	\$ 331,461	345,906	14,445	
	Raw Water Wells	\$ 333,909	371,028	37,119	
	Raw Water Main	\$ 150,973	165,973	15,000	
	RO Process	\$ 748,207	774,267	26,060	
	High Service PS	\$ 339,595	399,478	59,883	
	FW Storage	\$ 619,971	620,622	651	
	Water Process Piping	\$ 349,700	384,700	35,000	
	Product Transfer PS	\$ 307,006	340,962	33,956	
	Operations Bldg	\$ 590,694	655,703	65,009	
	General Conditions	\$ 564,738	564,738	0	
	OMI Start-up Services	\$ 107,797	107,797	0	
		WTP Sub-Total	7,382,986	8,055,611	672,625
WWTP	Site/Civil	\$ 272,020	318,676	46,656	
	Yard Piping	\$ 389,015	460,983	71,968	
	Chemical Feed	\$ 22,986	25,091	2,105	
	Electrical	\$ 965,832	1,094,914	129,082	
	I&C	\$ 331,578	346,023	14,445	
	Headworks	\$ 118,818	121,943	3,125	
	Package Plant	\$ 2,729,288	2,792,673	63,385	
	Aeration Blowers	\$ 239,690	244,932	5,242	
	RAS/WAS PS	\$ 130,410	141,726	11,316	
	Sludge Loading PS	\$ 15,940	17,049	1,109	
	Tertiary Filter	\$ 594,400	665,319	70,919	
	Chlorine Contact Basin & Xfr/Reject Pump Station	\$ 443,610	509,546	65,936	
	Recycle PS	\$ 108,823	113,417	4,594	
	WW Process Piping	\$ 27,537	31,326	3,789	
	Electrical Building	\$ 149,670	171,097	21,427	
	Operations Bldg	\$ 89,162	98,617	9,455	
	General Conditions	\$ 564,738	564,738	0	
OMI Start-up Services	\$ 107,797	107,797	0		
	WWTP Sub-Total	7,301,314	7,825,867	524,553	7.18%
	Combined Total Construction Cost	14,684,300	15,881,477	1,197,178	8.15%

Attachment B



City of Ocala
ENGINEERING DEPARTMENT
City Council Agenda Item



DATE: October 22, 2001

TO: Susan Miller, City Manager

FROM: Bruce H. Phillips P.E., P.L.S., City Engineer *BHP*

SUBJECT: Water Reclamation Facility No. 3 – Bid No. B-2675 – Change Order No. 2

RECOMMENDATION:

That City Council approve Change Order No.2 for the Water Reclamation Facility No. 3 Project to Encore Construction Company for a reduction of \$2,247,674.65 to the contract for direct purchase of materials to save sales tax costs. Contract cost is \$14,416,489.33.

BACKGROUND DISCUSSION:

The project consists of the construction of the new Water Reclamation No. 3, west of the airport. The facility consists of site development, access drives, headwork structures, oxidation ditch structure, secondary clarifiers, filtration, chemical building, sludge facilities, pump stations, storage ponds, miscellaneous electrical, and miscellaneous control equipment.

Change Order No. 2 deducts direct purchase of equipment to save sales tax costs, and adds additional clearing and pipe modification costs to the contract.

POLICY IMPACT:

This project will provide sewer capacity for infill development in West Ocala.

FISCAL/BUDGET IMPACT:

Direct purchasing of equipment saves \$127,682.24 in sales tax. Project total cost is \$18,728,347.74.

COORDINATION WITH OTHER DEPARTMENTS OR AGENCIES:

CH2M Hill designed the project and will assist as needed during construction. Water and Sewer Department will also assist during construction of the project.

IMPLEMENTATION TIMELINE:

The change order will be implemented on the next pay request, following Council approval.

c: Paul Nugent, Assistant City Manager
Henry K. Hicks, Water and Sewer Director
Buddy Crosby, Purchasing Director
Donald Corley, Finance and Administrative Services Director
Tim Ptak, CH2M Hill, Project Manager

CONTRACT STATUS

WATER RECLAMATION FACILITY #3
BID #B2675

Change Order #1:

Deducts certain bid items for direct material purchase in order to save the 6% sales tax (\$128,753.52 savings) and adds the repair of a water line in the amount of \$3,816.50. Total for Change Order #1 is a deduction of \$2,295,836.02.

Change Order #2:

Deducts certain bid items for direct material purchase in order to save the 6% sales tax (\$127,682.24 savings) and adds 30RS Modifications in the amount of \$8,317.00 and additional clearing of the site in the amount of \$12,650.00. Total for Change Order #2 is a deduction of \$2,247,674.65.

CONTRACT COSTS TO DATE

Original Contract	\$18,960,000.00
Change Order #1	- 2,295,836.02
Change Order #2	- 2,247,674.65
	<hr/>
TOTAL CONTRACT COSTS TO DATE	\$14,416,489.33
PLUS DIRECT MATERIALS	+ 4,311,858.41
	<hr/>
TOTAL PROJECT COSTS TO DATE	\$18,728,347.74
	=====

INEERING DEPARTMENT

P.O. NO. 00000
OCTOBER 9, 2001

TRACTOR: ENCORE CONSTRUCTION
P.O. BOX 771599
WINTER GARDEN, FL 34777

PROJECT: WRF #3
BID NUMBER: 2675

ITEM DESCRIPTION	QUANTITY	UNIT	PRICE	ADDITIONS	DEDUCTIONS
OUNT# 304-30-376-535-63300	.000		.00	.00	.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87143.00	.00	87143.00
000000 EFFLUENT FILTER SYSTEM	1.000-	LS	87142.00	.00	87142.00
000000 EFF FILTER SYST LABOR	1.000	LS	53620.72	53620.72	.00
000000 SUBMERSIBLE PUMPS	1.000-	LS	55000.00	.00	55000.00
000000 SUBMERSIBLE PUMPS	1.000-	LS	55000.00	.00	55000.00
000000 SUB. PUMPS LABOR ONLY	1.000	LS	10137.40	10137.40	.00
000000 SUMP PUMPS	1.000-	LS	32000.00	.00	32000.00
000000 SUMP PUMPS LABOR ONLY	1.000	LS	2171.60	2171.60	.00
000000 SWITCHGEAR	1.000-	LS	92167.00	.00	92167.00
000000 SWITCHGEAR	1.000-	LS	92167.00	.00	92167.00
000000 SWITCHGEAR	1.000-	LS	92166.00	.00	92166.00
000000 SWITCHGEAR LABOR ONLY	1.000	LS	15993.59	15993.59	.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	69000.00	.00	69000.00
000000 GENERATOR	1.000-	LS	10000.00	.00	10000.00
000000 GENERATOR LABOR ONLY	1.000	LS	30126.39	30126.39	.00
000000 MCC	1.000-	LS	82000.00	.00	82000.00
000000 MCC	1.000-	LS	82000.00	.00	82000.00
000000 MCC	1.000-	LS	82000.00	.00	82000.00
000000 MCC LABOR ONLY	1.000	LS	29230.00	29230.00	.00
000000 VFDS	1.000-	LS	63750.00	.00	63750.00
000000 VFDS	1.000-	LS	63750.00	.00	63750.00
000000 VFDS LABOR ONLY	1.000	LS	22247.30	22247.30	.00
000000 SUB CHOPPER PUMPS	1.000-	LS	62000.00	.00	62000.00
000000 SUB CHOPPER PUMPS LABOR	1.000	LS	8344.16	8344.16	.00
000000 20" REW PIPE MODIFICATI	1.000	LS	8317.00	8317.00	.00
000000 ADDITIONAL CLEARING SIT	1.000	LS	12650.00	12650.00	.00
000000 VERT TURBINE PUMPS	1.000-	LS	88500.00	.00	88500.00
000000 VERT TURBINE PUMPS	1.000-	LS	88500.00	.00	88500.00
000000 VERT TURB PUMPS LABOR	1.000	LS	6430.54	6430.54	.00
000000 SAMPLING PUMPS	1.000-	LS	5000.00	.00	5000.00
000000 SAMPLING PUMPS LABOR	1.000	LS	590.59	590.59	.00
000000 NONCLOG DRY PIT PUMP	1.000-	LS	59000.00	.00	59000.00
000000 NONCLOG DRY PIT PUMP	1.000-	LS	59000.00	.00	59000.00

7 OF OCALA, FLORIDA

CHANGE ORDER NO. 02 PAGE 2 OF ___

ENGINEERING DEPARTMENT

P.O. NO. 00000
OCTOBER 9, 2001

CONTRACTOR: ENCORE CONSTRUCTION
P.O. BOX 771599
WINTER GARDEN, FL 34777

PROJECT: WRF #3
BID NUMBER: 2675

ITEM DESCRIPTION	QUANTITY	UNIT	PRICE	ADDITIONS	DEDUCTIONS
000000 NONCLOG DRY PIT LABOR	1.000	LS	16466.06	16466.06	.00
			SUBTOTAL	216325.35	2464000.00
			GRAND TOTAL (THIS C.O.)	216325.35	2464000.00
			NET CHANGE (THIS C.O.)		2247674.65


ENGINEERING DEPARTMENT

P.O. NO. 00000
OCTOBER 9, 2001

TRACTOR: ENCORE CONSTRUCTION
P.O. BOX 771599
WINTER GARDEN, FL 34777

PROJECT: WRF #3
BID NUMBER: 2675

SUMMARY PAGE

		ADDITIONS	DEDUCTIONS
		=====	=====
APPROVED	 CONTRACTOR	GRAND TOTAL (THIS C.O.)	216,325.35
		NET CHANGE (THIS C.O.)	2,464,000.00
			2,247,674.65
APPROVED	Patrick T. Barney, Pres.		
APPROVED		PREVIOUS C.O.	346,163.98
			2,642,000.00
APPROVED	CITY ENGINEER	TOTAL TO DATE	562,489.33
			5,106,000.00
APPROVED		NET DEDUCTION	(4,543,510.67)
APPROVED	CITY MANAGER	ORIGINAL CONTRACT AMT	18,960,000.00
APPROVED		ADJUSTED AMOUNT TO DATE	14,416,489.33
APPROVED	COUNCIL PRESIDENT	MAXIMUM AMOUNT ALLOWED	
APPROVED		ORIGINAL CONTRACT DAYS	
APPROVED	CITY CLERK	PREVIOUS C.O.	
APPROVED		THIS C.O.	
APPROVED	Finance and Administrative Services Director	ENDING DATE	
APPROVED			
APPROVED			

Guastella Associates, Inc.
Estimated Plant Projection Costs for Ave Maria, Utilities, Inc.

AVE MARIA UTILITIES
Barron Collier Company

WASTEWATER PLANT COSTS

Plant Capacity (mgd)	0.75 1 2008	0.75 2 2007	0.75 3 2008	1.5 4 2009	1.5 5 2010	1.5 6 2011	3.0 7 2012	3.0 8 2013	3.0 9 2014	3.0 10 2015	4.5 11 2016	4.5 12 2017	4.5 13 2018	4.5 14 2019	4.5 15 2020	4.5 16 2021	Total Orig. Cost
Intangible Plant																	
351.1 Organization	20,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,000
352.1 Franchise	5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000
359.1 Other Plant / Misc. Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collection Plant																	
353.2 Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354.2 Structures and Improvements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360.2 Collection Sewer - Force	321,576	160,789	160,789	204,838	415,579	349,318	383,730	350,830	417,507	389,504	354,713	357,832	356,189	390,733	36,219	42,210	4,672,458
361.2 Collection Sewer - Gravity	1,122,051	561,026	561,026	713,082	1,446,714	1,218,047	1,266,219	1,221,309	1,453,427	1,355,843	1,234,829	1,246,033	1,239,966	1,360,220	126,085	146,941	16,270,918
362.2 Special Collecting Structures	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
363.2 Services	163,853	81,926	81,926	120,807	245,095	208,016	214,516	208,908	246,232	229,717	209,188	211,096	210,069	230,441	21,381	24,894	2,704,055
364.2 Flow Measuring Devices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365.2 Flow Measuring Installations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
389.2 Other Plant / Misc. Equipment	85,575	42,788	42,788	53,619	108,783	81,439	85,211	91,834	109,298	101,858	92,851	93,694	93,237	102,280	9,481	11,049	1,225,875
System Pumping Plant																	
353.3 Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354.3 Structures and Improvements	851,297	44,100	44,100	243,599	139,252	92,834	371,328	92,834	139,252	92,834	342,220	139,252	92,834	139,252	92,834	46,417	2,964,239
370.3 Receiving Wells	341,325	153,750	153,750	215,250	433,575	365,925	381,300	365,925	439,650	408,975	372,075	375,150	372,075	408,975	36,900	43,050	4,864,650
371.3 Pumping Equipment	843,617	68,150	68,150	359,284	208,878	139,252	463,307	139,252	208,878	139,252	475,789	208,878	139,252	208,878	139,252	69,626	3,875,692
389.3 Other Plant / Misc. Equipment	177,472	0	0	175,981	0	0	0	0	0	0	188,304	0	0	0	0	0	539,756
Treatment and Disposal Plant																	
353.4 Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354.4 Structures and Improvements	2,784,516	0	0	810,049	0	0	5,464,618	0	0	0	2,354,765	0	0	0	0	0	11,213,949
380.4 Treatment and Disposal Equipment	5,024,801	0	0	883,392	0	0	4,772,747	0	0	0	2,437,461	0	0	0	0	0	13,118,502
381.4 Plant Sewers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382.4 Outfall Sewer Lines	378,429	0	0	125,836	0	0	255,505	0	0	0	199,191	0	0	0	0	0	959,761
389.4 Other Plant / Misc. Equipment	0	0	0	7,236,582	0	0	0	0	0	0	0	0	0	0	0	0	7,236,582
General Plant																	
353.5 Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354.5 Structures and Improvements	212,152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212,151
390.5 Office Furniture and Fixtures	15,000	0	0	0	0	0	5,000	0	0	0	0	0	5,000	0	0	0	25,000
391.5 Transportation Equipment	80,000	0	0	30,000	0	0	0	0	0	30,000	0	0	30,000	0	0	0	150,000
392.5 Stores Equipment	2,000	0	0	2,000	0	0	2,000	0	0	2,000	0	0	2,000	0	0	0	10,000
393.5 Tools, Shop and Garage Equipment	1,500	0	0	500	0	0	0	0	0	500	0	0	500	0	0	0	3,000
394.5 Laboratory Equipment	5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000
395.5 Power Operated Equipment	8,000	0	0	0	0	0	5,000	0	0	0	0	0	0	0	0	0	13,000
396.5 Communication Equipment	1,800	0	0	300	0	0	300	0	0	300	0	0	600	0	0	0	3,300
397.5 Miscellaneous Equipment	5,000	0	0	5,000	0	0	0	0	0	5,000	0	0	0	0	0	0	15,000
398.5 Other Tangible Plant	1,000	0	0	1,000	0	0	0	0	0	1,000	0	0	0	0	0	0	3,000
ANNUAL PLANT ADDITIONS	\$12,432,085	\$1,110,528	\$1,110,528	\$10,980,919	\$2,897,875	\$2,460,831	\$13,660,782	\$2,468,982	\$3,011,233	\$2,756,984	\$8,259,399	\$2,632,034	\$2,641,722	\$2,840,778	\$462,131	\$384,188	\$70,110,887
WATER PLANT IN SERVICE	\$12,432,065	\$13,542,593	\$14,653,122	\$25,834,041	\$28,631,916	\$31,092,747	\$44,753,529	\$47,222,421	\$50,233,654	\$52,990,638	\$61,250,034	\$63,882,068	\$66,423,790	\$69,284,568	\$69,728,699	\$70,110,887	\$32,528,792.8
WWTP	\$8,188,848.1			\$8,855,658.3			\$10,492,870.1				\$4,991,417.2						\$7.23
COST PER GALLON	\$10.92			\$11.81			\$7.00				\$3.33						\$7.23