

**Lee County Board Of County Commissioners  
Agenda Item Summary**

Blue Sheet No. 20040564

**1. REQUESTED MOTION:**

**ACTION REQUESTED:**

Approve Addendum to the Construction Manager Agreement, (Contract #2426), RFQ-02-07 Green Meadows Water Plant/Corkscrew Water Plant Interconnection with Storage Tank Facility and Corkscrew Water Treatment Plant Expansion & Improvements, for the Division of Utilities, to Earth Tech A Tyco International LTD. Company, to include the Guaranteed Maximum Price (GMP) in the amount of \$9,123,382.00 (includes the 5% CM fee) for the remaining construction work for the Corkscrew Water Treatment Plant Expansion. Also request Board approve waiving of any formal process (if needed) and authorize the use of the Direct Material Purchase Orders based on CM's competitive process, which allows the County to purchase directly from suppliers of equipment and/or materials as a cost/time saving measure.

**WHY ACTION IS NECESSARY:** Board approval required.

**WHAT ACTION ACCOMPLISHES:** Authorizes Earth Tech Inc. to complete the remaining construction work for the Corkscrew Water Treatment Plant Expansion.

**2. DEPARTMENTAL CATEGORY:**

10. Utilities  
COMMISSION DISTRICT #: 5

**CIOA**

**3. MEETING DATE:**

**05-18-2004**

**4. AGENDA:**

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

**5. REQUIREMENT/PURPOSE:**

- (Specify)
- STATUTE
  - ORDINANCE
  - ADMIN. CODE AC-4-4
  - OTHER

**6. REQUESTOR OF INFORMATION:**

- A. COMMISSIONER
- B. DEPARTMENT PUBLIC WORKS
- C. DIVISION UTILITIES
- BY: RICK DIAZ, DIRECTOR

*[Handwritten signature]*

**7. BACKGROUND:**

On February 18, 2003 the Board approved award to Earth Tech Inc. for professional construction management services for RFQ-02-07 Green Meadows Water Plant/Corkscrew Water Plant Interconnection with Storage Tank Facility and Corkscrew Water Treatment Plant Expansion & Improvements in the amount of five percent (5%) of the total construction project and also authorized staff to enter into a Construction Manager Agreement.

At this time the Utilities Division is requesting Board approve the Guaranteed Maximum Price (GMP) of \$9,123,382.00 (includes the 5% CM Fee) and authorize Earth Tech Inc. to complete the remaining construction work for the Corkscrew Water Treatment Plant Expansion. In order for the County to take advantage of saving the sales tax and as a time saving measure we are requesting authorization to waive any formal process and allow for the purchase of materials/equipment from various vendors selected by the Construction Manager and the County.

Funding will be available in account: 20711448712.506540

Attachment: Letter from Earth Tech dated March 12, 2004

**8. MANAGEMENT RECOMMENDATIONS:**

**9. RECOMMENDED APPROVAL:**

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services <i>(Open 5/17/04)</i>				G County Manager
					OA	OM	Risk	GC	
<i>[Signature]</i> 5-4-04	<i>[Signature]</i>	N/A		<i>[Signature]</i> 5/5/2004	<i>[Signature]</i> 5/5/04	<i>[Signature]</i> 5/5/04	<i>[Signature]</i> 5/5/04	<i>[Signature]</i> 5/5/04	<i>[Signature]</i> 5-4-04

**10. COMMISSION ACTION:**

- \_\_\_\_\_ APPROVED
- \_\_\_\_\_ DENIED
- \_\_\_\_\_ DEFERRED
- \_\_\_\_\_ OTHER

Rec. by CoAtty  
Date: 5/18/04  
Time: 4:20 PM  
Forwarded To:  
Admin.  
5/18/04 9:00

RECEIVED BY  
COUNTY ADMIN  
5/18/04  
9:50 AM SUT  
COUNTY ADMIN  
FORWARDED TO:  
8-5-04  
3pm



**INTEROFFICE MEMORANDUM  
FROM  
PUBLIC WORKS  
UTILITIES**

**Date:** April 26, 2004

**TO:** Cindy Logan, Contracts Management

**From:** Glenn Semanisin

**SUBJECT: AMENDMENT TO EARTH TECH CM CONTRACT  
CORKSCREW WATER PLANT & GREEN MEADOWS INTERCONNECT**

On February 20, 2004, I received the attached guaranteed maximum price proposal from Earth Tech for the third amendment to the Construction Management Contract.

As you may recall, the first amendment covered bidding and long-lead purchase items for both Corkscrew & Green Meadows improvements and the second amendment covered only construction of the Airport Haul Reservoir (a/k/a Green Meadows Interconnect). This third phase covers all remaining construction work for Corkscrew Water Plant Expansion.

I hereby recommend acceptance of the third amendment to Earth Tech's CM Contract for a new GMP in the amount of \$9,123,382.00

The enclosed letter from Earth Tech lists specific line items necessary to amend their contract for this third phase.

Please prepare a bluesheet for signature by Rick Diaz at your earliest convenience.

cc: Ivan Velez, P.E.  
T. Mamott, P.E.

March 12, 2004

Glenn Semanisin  
Lee County Utilities  
1500 Monroe Street  
Ft. Myers, FL 33901

Subject: **GMP03 Corkscrew WTP Expansion**

Dear Glenn,

The CM is pleased to present the proposal for GMP 03. that covers the requested scope of construction services.

The schedule projects the completion of Construction activities for the **Corkscrew WTP Expansion** is September 2005. This GMP will fund on site and home office support for CM personnel time to support this GMP through September 2005 and the reimbursable required for completing the project.

Please note a revised organization chart has been submitted to reflect our current staffing.

The following provisions shall be included in our Addendum to Construction Management Contract # 2426 CIP no. 7114:

- 1) The Guaranteed Maximum Price (GMP) for the **Corkscrew WTP Expansion** Contract Addendum shall be \$9,123,382.00.
- 2) ARTICLE 3. COMPENSATION, Page 4, 3.01, first paragraph, line six, add " \$456,169.00 for this Phase "
- 3) ARTICLE 3, COMPENSATION, Page 4, 3.01 (2), line two, add "\$26,833.47" and on line three, add "for a Sixteen (16) month period"
- 4) ARTICLE 3, COMPENSATION, Page 4, 3.02, first paragraph, line 3, add "Corkscrew WTP Expansion Plans & Specifications dated July 2003"
- 5) ARTICLE 3, COMPENSATION, Page 5, 3.03, first paragraph, line three & four, add " Sixteen (16) months to substantial completion and Seventeen (17) months to final completion"

Telephone  
239.466.7480  
Mobile  
239.466.7740

6) ARTICLE 3, COMPENSATION, Page 5, 3.03, second paragraph, line three and four, add "\$26,833.47 per calendar month, or \$894.45 per calendar day, beyond such Seventeen (17) month period"

We trust you will find this GMP acceptable and we are available at your convenience to discuss any and all portions of this proposal.

Very truly yours

Earth Tech Consulting, Inc.



Alan L. Butler  
Construction Manager

Telephone

239-436-7730

Facsimile

239-436-8740

# Lee County Utilities, Capital Improvements Program, Fort Myers, Florida

## GMP # 3

Notes:	1) Preconstruction /Design Duration-NYP	4/16/2004	TO	4/16/2004	8.00	6 CDS	8.00	Months or 6 Weeks
	2) Construction Duration	4/16/2004	TO	9/15/2005	17.18	517 CDS	17.18	Months or 74 Weeks
	3) Total Duration	4/16/2004	TO	9/15/2005	17.18	517 CDS	17.18	Months or 74 Weeks

DESCRIPTION	%	Needed Duration	QTY	UNIT COSTS @ Billing Rate				TOTAL COSTS @ Billing Rate				TOTALS	
				LABOR	MTRL	EQUIP	OTHER	LABOR	MTRL	EQUIP	OTHER		
<b>CORKSCREW WATER TREATMENT PLANT EXPANSION &amp; IMPROVEMENTS</b>													
<b>POST GMP SUBCONTRACTOR/VENDOR</b>													
Project Manager	0%	17 /MO	-	WKS	6,240	-	-	-	-	-	-	-	-
Construction Manager-Pre GMP #1	6%	17 /MO	4.4	WKS	3,240	-	-	-	-	-	-	-	14,358
Project Superintendent	6%	17 /MO	4.4	WKS	2,880	-	-	-	-	-	-	-	12,763
Project Engineer	6%	17 /MO	4.4	WKS	2,820	-	-	-	-	-	-	-	12,497
<b>SUBTOTAL PRE-CONSTRUCTION PERSONNEL</b>													
			532	HRS									39,617
<b>HOME OFFICE CONSTRUCTION SUPPORT-DURING CONSTRUCTION</b>													
Vice President	0%	17 /MO	-	WKS	7,280	-	-	-	-	-	-	-	-
Vice President	2%	17 /MO	1.5	WKS	7,280	-	-	-	-	-	-	-	10,754
Project Manager	21%	17 /MO	15.5	WKS	6,240	-	-	-	-	-	-	-	96,782
Scheduler / Controls	40%	17 /MO	29.5	WKS	3,920	-	-	-	-	-	-	-	115,808
Estimator	5%	17 /MO	3.7	WKS	4,680	-	-	-	-	-	-	-	17,283
Accountant	4.1%	17 /MO	3.0	WKS	4,680	-	-	-	-	-	-	-	14,172
Contract Manager	4.1%	17 /MO	3.0	WKS	3,848	-	-	-	-	-	-	-	11,652
Clerical	4.1%	17 /MO	3.0	WKS	1,768	-	-	-	-	-	-	-	5,354
Reproduction Expenses			17	MO	200	-	-	-	-	-	-	-	3,435
Office and Engineering Supplies			1	LS	3,400	-	-	-	-	-	-	-	3,400
Travel - (100), Lodging (163), Per diem (86.70)			34	TRIPS	350	-	-	-	-	-	-	-	12,023
<b>SUBTOTAL HOME OFFICE CONSTRUCTION SUPPORT</b>													
			2,372	HRS									271,804
<b>CONSTRUCTION PERSONNEL - ON SITE</b>													
Construction Manager	75%	17 /MO	55.4	WKS	3,240	-	-	-	-	-	-	-	179,473
Safety Manager	7%	17 /MO	5.2	WKS	2,880	-	-	-	-	-	-	-	14,890
Project Superintendent	75%	17 /MO	55.4	WKS	2,880	-	-	-	-	-	-	-	159,531
Project Engineer	75%	17 /MO	55.4	WKS	2,820	-	-	-	-	-	-	-	156,208
Assistant	25%	17 /MO	18.5	WKS	1,020	-	-	-	-	-	-	-	18,834
<b>SUBTOTAL CONSTRUCTION PERSONNEL - ON SITE</b>													
			7,593	HRS									528,935
<b>TOTAL CM LABOR</b>													
			10,497	HRS OR									859,215
<b>CONSTRUCTION MANAGEMENT ODC'S</b>													
Surveying	-	-	1.0	LS	25,000	-	-	-	-	-	-	-	25,000
Performance Bonds	-	-	1.0	LS	80,000	-	-	-	-	-	-	-	80,000
Building Permits	-	-	1.0	LS	-	-	-	-	-	-	-	-	BY OWNER
Misc. Fees and Permits	-	-	1.0	LS	-	-	-	-	-	-	-	-	BY OWNER
Safety Program	-	-	1.0	EA	5,000	-	-	-	-	-	-	-	5,000
Construction Photographs	-	-	1.0	EA	500	-	-	-	-	-	-	-	500
Testing & Laboratory Services	-	-	1.0	LS	20,000	-	-	-	-	-	-	-	20,000
Public Relations/ News Press Ads	-	-	1.0	LS	500	-	-	-	-	-	-	-	500
Power Consumption	-	-	17.2	MO	775	-	-	-	-	-	-	-	13,311
Temporary Lighting Consumption	-	-	17.2	EA	155	-	-	-	-	-	-	-	2,662
Telephone Usage Expense	-	-	17.2	MO	-	-	-	-	-	-	-	-	BY OWNER
Portable Toilets and Eye Safety	-	-	17.2	MO	400	-	-	-	-	-	-	-	6,870
Temporary Fire Protection	-	-	17.2	MO	150	-	-	-	-	-	-	-	2,576
First Aid/PPE/Supplies	-	-	17.2	MO	100	-	-	-	-	-	-	-	1,718
Trash Haul Off & Dumpsters	-	-	17.2	MO	900	-	-	-	-	-	-	-	15,458
Office Janitorial	-	-	17.2	MO	650	-	-	-	-	-	-	-	11,164
Project Identification & Signs	-	-	17.2	MO	2,000	-	-	-	-	-	-	-	2,000
Field Offices & Sheds	-	-	17.2	MO	465	-	-	-	-	-	-	-	7,987
Security Guard	-	-	60.0	Wk	950	-	-	-	-	-	-	-	57,000
Furniture	-	-	1.0	EA	750	-	-	-	-	-	-	-	750

**GMP # 3**

**Lee County Utilities, Capital Improvements Program, Fort Myers, Florida**

<b>Note:</b>	1) Preconstruction / Design Duration-NTP	4/16/2004	TO	4/16/2004	0	CPS	0.00	Months or 0 Weeks
	2) Construction Duration	4/16/2004	TO	9/15/2005	517	CPS	17.18	Months or 74 Weeks
	3) Total Duration	4/16/2004	TO	9/15/2005	517	CPS	17.18	Months or 74 Weeks

DESCRIPTION	QTY	Needed Duration	%	UNIT COSTS @ Billing Rate				TOTAL COSTS @ Billing Rate				TOTALS	
				LABOR	MTRL	EQUIP	OTHER	LABOR	MTRL	EQUIP	OTHER		
Electronic Equipment & STD Software	1.0	LS			4,250								4,250
Special Software	2.0	Yr	9		725								13,050
Special Software	-	EA			1,850								1,850
ISP () Setup and Fees	17.2	MO			400								6,870
Copy Machine	-	MO			500								500
Fax Machine	1.0	EA			600								600
Mail, Shipping and Delivery Expenses	17.2	MO			1,275								21,900
Reproduction Expenses	17.2	MO			675								11,594
Office and Engineering Supplies	17.2	MO			475								8,159
Drinking Water/Ice	17.2	MO			45								773
Cellular Phones	17.0	MO			350								5,950
Rain/ Weather Gear	1.0	LS			1,830								1,830
Close Out / As BUILT	1.0	LS			5,500								5,500
Vehicle Expense	17.0	MO			650								11,050
<b>SUBTOTAL CONSTRUCTION MANAGEMENT ODC'S</b>													<b>344,023</b>
<b>SUBCONTRACTOR DIRECT COSTS</b>													
Sub Bid Site Work & Yard Piping	1.0	LS			515,000								515,000
Sub Bid Equip. Instal. & Chemical Feed	1.0	LS			1,279,000								1,279,000
Sub Bid General/ Mechanical	1.0	LS			1,941,000								1,941,000
Sub Bid Painting	1.0	LS			148,134								148,134
Sub Bid Electrical/ Instrumentation	1.0	LS			1,511,654								1,511,654
Valve Tags and Door Signage	1.0	LS			10,000								10,000
Retrofit of Filter Control Valve	1.0	LS			1,132,835								1,132,835
Site Logistics	1.0	LS			270,239								270,239
Contingency	10.0	%			653,762								653,762
<b>SUBTOTAL FACILITY START-UP/COMMISSIONING</b>													<b>7,461,624</b>
<b>CORKSCREW WATER TREATMENT PLANT EXPANSION</b>													<b>8,667,213</b>
<b>CM FEE (5% of GMP)</b>													<b>456,169</b>
<b>Total GMP</b>													<b>9,123,382</b>

**GMP # 3**

**Lee County Utilities, Capital Improvements Program, Fort Myers, Florida**

1) Preconstruction / Design Duration-NTP	4/16/2004	TO	4/16/2004	0.00	Months or 0 Weeks
2) Construction Duration	4/16/2004	TO	9/15/2005	517 CDS	17.18 Months or 74 Weeks
3) Total Duration	4/16/2004	TO	9/15/2005	517 CDS	17.18 Months or 74 Weeks

DESCRIPTION	QTY	NEEDED DURATION			UNIT COSTS @ BILLING RATE			TOTAL COSTS @ BILLING RATE			TOTALS	
		%	Duration	Notes	LABOR	MTRL	EQUIP	OTHER	LABOR	MTRL		EQUIP
<b>CORKSCREW WATER TREATMENT PLANT EXPANSION &amp; IMPROVEMENTS</b>												
<b>POST GMP SUBCONTACTOR VENDOR</b>												
Project Manager	1	0%	17/MO		6,240	-	-	-	-	-	-	-
Construction Manager-Pre GMP #1	4.4	6%	17/MO		3,240	-	-	-	-	-	-	14,358
Project Superintendent	4.4	6%	17/MO		2,880	-	-	-	-	-	-	12,763
Project Engineer	532	6%	17/MO		2,820	-	-	-	-	-	-	12,497
<b>SUBTOTAL PRE-CONSTRUCTION PERSONNEL</b>												
<b>HOME OFFICE CONSTRUCTION SUPPORT-DURING CONSTRUCTION</b>												
Vice President	1	0%	17/MO		7,280	-	-	-	-	-	-	10,754
Vice President	1.5	2%	17/MO		7,280	-	-	-	-	-	-	96,782
Project Manager	15.5	21%	17/MO		6,240	-	-	-	-	-	-	115,808
Scheduler / Controls	29.5	46%	17/MO		3,920	-	-	-	-	-	-	17,283
Estimator	3.7	5%	17/MO		4,680	-	-	-	-	-	-	14,172
Accountant	3.0	4.1%	17/MO		4,680	-	-	-	-	-	-	11,652
Contract Manager	3.0	4.1%	17/MO		3,848	-	-	-	-	-	-	5,354
Clerical	3.0	4.1%	17/MO		1,768	-	-	-	-	-	-	3,435
Reproduction Expenses	17		MO		200	-	-	-	-	-	-	3,400
Office and Engineering Supplies	1		LS		3,400	-	-	-	-	-	-	12,023
Travel - (100), Lodging (163), Per diem (86.70)	34		TRIPS		350	-	-	-	-	-	-	18,858
<b>2 Trip/Mo.</b>												
<b>SUBTOTAL HOME OFFICE CONSTRUCTION SUPPORT</b>												
<b>CONSTRUCTION PERSONNEL - ON SITE</b>												
Construction Manager	55.4	75%	17/MO		3,240	-	-	-	-	-	-	179,473
Safety Manager	5.2	7%	17/MO		2,880	-	-	-	-	-	-	14,890
Project Superintendent	55.4	75%	17/MO		2,880	-	-	-	-	-	-	159,531
Project Engineer	55.4	75%	17/MO		2,820	-	-	-	-	-	-	156,208
Assistant	18.5	25%	17/MO		1,020	-	-	-	-	-	-	18,834
<b>SUBTOTAL CONSTRUCTION PERSONNEL - ON SITE</b>												
<b>TOTAL CM LABOR</b>												
<b>CONSTRUCTION MANAGEMENT ODC'S</b>												
Surveying	1.0	-	LS		25,000	-	-	-	-	-	-	25,000
Performance Bonds	1.0	-	LS		80,000	-	-	-	-	-	-	80,000
Building Permits	1.0	-	LS		-	-	-	-	-	-	-	BY OWNER
Misc. Fees and Permits	1.0	-	LS		-	-	-	-	-	-	-	BY OWNER
Safety Program	1.0	-	EA		5,000	-	-	-	-	-	-	5,000
Construction Photographs	1.0	-	EA		500	-	-	-	-	-	-	500
Testing & Laboratory Services	1.0	-	LS		20,000	-	-	-	-	-	-	20,000
Public Relations/ News Press Ads	1.0	-	LS		500	-	-	-	-	-	-	500
Power Consumption	17.2	-	MO		775	-	-	-	-	-	-	13,311
Temporary Lighting Consumption	17.2	-	MO		155	-	-	-	-	-	-	2,662
Telephone Usage Expense	17.2	-	MO		-	-	-	-	-	-	-	BY OWNER
Portable Toilets and Eye Safety	17.2	-	MO		400	-	-	-	-	-	-	6,870
Temporary Fire Protection	17.2	-	MO		150	-	-	-	-	-	-	2,576
First Aid/PPE/Supplies	17.2	-	MO		100	-	-	-	-	-	-	1,718
Trash Haul Off & Dumpsters	17.2	-	MO		900	-	-	-	-	-	-	15,458
Office Janitorial	17.2	-	MO		650	-	-	-	-	-	-	11,164
Project Identification & Signs	1.0	-	LS		2,000	-	-	-	-	-	-	2,000
Field Offices & Sheds	17.2	-	MO		465	-	-	-	-	-	-	7,987
Security Guard	60.0	-	Wk		950	-	-	-	-	-	-	57,000
Furniture	1.0	-	EA		750	-	-	-	-	-	-	750

**GMP # 3**

**Lee County Utilities, Capital Improvements Program, Fort Myers, Florida**

1) Preconstruction / Design Duration-NIP	4/16/2004 TO 4/16/2004	0 CDS	6.90	Months or 0 Weeks
2) Construction Duration	4/16/2004 TO 9/15/2005	517 CDS	17.18	Months or 74 Weeks
3) Total Duration	4/16/2004 TO 9/15/2005	517 CDS	17.18	Months or 74 Weeks

DESCRIPTION	QTY	UNIT COSTS @ Billing Rate				TOTAL COSTS @ Billing Rate				TOTALS
		LABOR	MTRL	EQUIP	OTHER	LABOR	MTRL	EQUIP	OTHER	
Electronic Equipment & STD Software	1.0	LS	4,250	-	-	4,250	-	-	-	4,250
Special Software	2.0	YI	725	-	-	13,050	-	-	-	13,050
Special Software	-	EA	1,850	-	-	-	-	-	-	1,850
ISP () Setup and Fees	17.2	MO	400	-	-	6,870	-	-	-	6,870
Copy Machine	-	MO	500	-	-	-	-	-	-	500
Fax Machine	1.0	EA	600	-	-	600	-	-	-	600
Mail, Shipping and Delivery Expenses	17.2	MO	1,275	-	-	21,900	-	-	-	21,900
Reproduction Expenses	17.2	MO	675	-	-	11,594	-	-	-	11,594
Office and Engineering Supplies	17.2	MO	475	-	-	8,159	-	-	-	8,159
Drinking Water/Ice	17.2	MO	45	-	-	773	-	-	-	773
Cellular Phones	17.0	MO	350	-	-	5,950	-	-	-	5,950
Rain/ Weather Gear	1.0	LS	1,830	-	-	1,830	-	-	-	1,830
Close Out / As Built	1.0	LS	5,500	-	-	5,500	-	-	-	5,500
Vehicle Expense	17.0	MO	650	-	-	11,050	-	-	-	11,050
<b>SUBTOTAL CONSTRUCTION MANAGEMENT ODC'S</b>										
<b>344,023</b>										
<b>SUBCONTRACTOR DIRECT COSTS</b>										
Sub Bid Site Work & Yard Piping	1.0	LS	515,000	-	-	515,000	-	-	-	515,000
Sub Bid Equip. Install & Chemical Feed	1.0	LS	1,279,000	-	-	1,279,000	-	-	-	1,279,000
Sub Bid General/ Mechanical	1.0	LS	1,941,000	-	-	1,941,000	-	-	-	1,941,000
Sub Bid Painting	1.0	LS	148,134	-	-	148,134	-	-	-	148,134
Sub Bid Electrical/ Instrumentation	1.0	LS	1,511,654	-	-	1,511,654	-	-	-	1,511,654
Valve Tags and Door Signage	1.0	LS	10,000	-	-	10,000	-	-	-	10,000
Retrofit of Filter Control Valve	1.0	LS	1,132,835	-	-	1,132,835	-	-	-	1,132,835
Site Logistics	1.0	LS	270,239	-	-	270,239	-	-	-	270,239
Contingency	10.0	%	653,762	-	-	653,762	-	-	-	653,762
<b>SUBTOTAL FACILITY START-UP/COMMISSIONING</b>										
<b>7,461,624</b>										
<b>8,667,213</b>										
<b>CORKSCREW WATER TREATMENT PLANT EXPANSION</b>										
<b>CM FEE (5% of GMP)</b>										
<b>456,169</b>										
<b>Total GMP</b>										
<b>9,123,382</b>										