

TOWN OF DAVIE
TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Keith Pursell, Project Manager, Capital Projects, 954-797-1191

PREPARED BY: Keith Pursell, Project Manager, Capital Projects, 954-797-1191

SUBJECT: Resolution
Project Name and Location: Pine Island Aquatics Facility -
Chlorine Generators
3800 SW 92nd Avenue, 33324

AFFECTED DISTRICT: District 3

ITEM REQUEST: **Schedule for Council Meeting**

TITLE OF AGENDA ITEM: A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE MAYOR TO EXECUTE CHANGE ORDER #1 WITH WIDELL, INC./CARDINAL CONTRACTORS, INC. TO CHANGE THE CONTRACTED SCOPE OF WORK AS DESCRIBED IN THE ATTACHED CHANGE ORDER #1

REPORT IN BRIEF: The Town has expanded the Scope of Work to include the installation of a 150lb Chlorine Generator, required by the Broward County Department of Health, in lieu of the originally specified 75lb Chlorine Generator.

PREVIOUS ACTIONS: None

CONCURRENCES: Resolution # R-2003-323

FISCAL IMPACT: Yes

Has request been budgeted? Yes

If yes, expected cost: \$ 43,921.95

Account Name: Capital Account 030-3404-572-6203

RECOMMENDATION(S): Motion to approve.

Attachment(s): Change Order # 1 and Corporation Information

RESOLUTION _____

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE MAYOR TO EXECUTE CHANGE ORDER #1 WITH WIDELL, INC./CARDINAL CONTRACTORS, INC. TO CHANGE THE CONTRACTED SCOPE OF WORK AS DESCRIBED IN THE ATTACHED CHANGE ORDER #1.

WHEREAS, the Town of Davie previously awarded the bid to Widell, Inc./Cardinal Contractors, Inc.; AND

WHEREAS, The Town has expanded the Scope of Work to include the installation of a 150lb Chlorine Generator, required by the Broward County Department of Health, in lieu of the originally specified 75lb Chlorine Generator as described in the attached Change Order # 1,

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA.

SECTION 1. The Town Council hereby authorizes the appropriate Town officials to execute Change Order #1 with Widell, Inc./Cardinal Contractors, Inc. in the amount of \$43,921.95, which is attached as Exhibit "A".

SECTION 2. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS _____ DAY OF _____, 2007.

MAYOR/COUNCIL MEMBER

ATTEST:

TOWN CLERK

APPROVED THIS _____ DAY OF _____, 2007.

CHANGE ORDER
AIA DOCUMENT G701

Distribution to:
OWNER
ARCHITECT
CONTRACTOR
FIELD
OTHER Bid Spec Committee

RECEIVED
CARDINAL CONTRACTORS INC.
FT LAUDERDALE OFFICE

JUL 12 2007

PROJECT: _____ CHANGE ORDER NUMBER: _____ C.O.#1 _____
(Name, address) _____

Pine Island Aquatic Center Chlorine Generator Installation INITIATION DATE: June 6, 2007
3800 NW 92nd Avenue
Davie, Florida 33324

TO (Contractor): _____ ARCHITECT'S PROJECT NO: B-03-55
Robert Hodges _____ CONTRACT FOR: Pine Island Aquatic Center
Widell, Inc./Cardinal Contractors, Inc. _____ CONTRACT DATE: September 2003
5365 Stirling Road
Ft. Lauderdale, Florida 33316

You are directed to make the following changes in this Contract:
Item 1 - Additional Labor and Material to install a 150lb Chlorine Generator, required by BCDOH, in lieu of the specified 75lb unit \$43,921.95
Total Add: \$43,921.95

Days: Increase/Decrease Contract Time By (0) Calendar Days

Not valid until signed by both the Owner and Architect.
Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time.

The original (Contract Sum) (Guaranteed Maximum Cost) was..... \$ 50,460.80
Net change by previously authorized Change Orders \$ 00.00
The (Contract Sum) (Guaranteed Maximum Cost) prior to this Change Order was \$ 50,460.80
The (Contract Sum) (Guaranteed Maximum Cost) will be (increased) (decreased) \$ 43,921.95
The new (Contract Sum) (Guaranteed Maximum Cost) including this Change Order will be..... \$ 94,382.75
The Contract Time will be (increased) (decreased) (unchanged) by 0 Days
The Date of Completion as of the date of this Change Order therefore is February 7, 2008

Authorized:
N/A _____ Cardinal Contractors/Widell, Inc. Town of Davie
ARCHITECT/ENGINEER _____ CONTRACTOR _____ OWNER _____
N/A _____ 5365 Stirling Road 6591 Orange Drive
Address _____ Address _____ Address _____
N/A _____ Ft. Lauderdale, Florida 33314 Davie, FL 33314 -3399
BY _____ BY Ronald Hodges _____ BY _____
DATE _____ DATE 7-23-07 _____ DATE _____

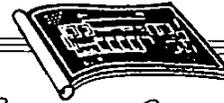
WIDELL, INC.

(954) 587-0520

FAX 587-6653

State Certified

Sewage Treatment Works
Water Treatment Works
Substructure Construction



Engineering Construction

5365 STIRLING ROAD
FT. LAUDERDALE, FL 33314

June 6, 2007

Via UPS

Town of Davie
6901 Orange Drive
Davie, FL 33314

Attn: Mr. Keith Pursell

Re: Town of Davie, Florida
Sodium Hypochlorite On-Site Generation
System, Project B-03-55, WI Job 669
Proposal Number 6R

Gentlemen:

During the design process of the project, it was requested that the size of the sodium hypochlorite generator be increased from 75 lbs/day to 150 lbs/day. As you know, the technical requirements in the original Request for Qualifications established the sodium hypochlorite generator to be a 75 lbs/day unit. Our original price (Package B) was based on this information. The necessity for the Aquatic Center to upgrade to a larger unit and the time between the original quotation and today (four years) has increased the cost of the equipment, electrical requirements, engineering and piping. Carter & VerPlanck, Inc. has quoted the equipment directly, which we believe you re in receipt. We are pleased to provide you with the following proposal for the increase in cost of the electrical requirements, engineering, piping and labor:

Install Larger Generator and
Furnish and Install Increased Electrical Scope and Piping \$43,921.95

Please review the attached breakdown. We request that you write a Contract Change Order for the increased amount of \$43,921.95. If you have any questions, please feel free to contact us.

Very truly yours,

CARDINAL CONTRACTORS, INC. d/b/a WIDELL, INC.

Robert E. Hodges
Project Manager

Attachment

cc: CGA, Attn: Karl Kennedy w/1
File w/1, Field, Chrono

REH/jlg.Proposal 06R-669

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER

		PN-6R		On-Site Sodium Hypochlorite System		6/5/2007		
Increased Costs due to Increased Size of the Generator from 75 ppd to 150 ppd				Town of Davie, Florida				
		Widell Job 671		Page		1 of 1		
DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Increased cost for generator size Change								
Sodium Hypochlorite Generator Equipment ClorTech "T series" 150 lbs/day	1	Lot		Direct Purchase				
Labor Crew	2	Days					\$600.00	\$1,200.00
<u>Electrical Work</u>								
Electrical Scope increased with the Generator size change								
Energy Efficient Electric, Inc. Original scope for 75 ppd generator attached 2 pages	-1	Lot				(\$19,000.00)		
Revised scope for 150 ppd generator attached 2 pages	1	Lot				\$32,640.00		
<u>Piping Work</u>								
PVC Pipe, Fittings and Valve Size Increase	1	Lot		\$1,500.00				
Labor Crew	2	Days					\$600.00	\$1,200.00
<u>Engineering</u>								
Engineering Services Update Mathews Consulting, Inc.	1	lot				\$14,880.00		
<u>Jobsite General Conditions Escalation</u>								
Superintendent	3	Wks					\$400.00	\$1,200.00
Project Manager	1	Wk					\$400.00	\$400.00
Cleaning During Construction	3	Wks			50	\$150.00		
Equipment Rental	1	Lot						
Pick-up Truck	1	Mo			50	\$50.00		
Boom Truck	1	Mo			200	\$200.00		
Bond	1	Lot				\$763.00		
Insurances	1	Lot				\$380.00		
Fuel	1	Mo			300	\$300.00		
Subtotal				\$1,500.00		\$30,363.00		\$4,000.00
Mat. taxes & labor burden			6%	\$90.00			56%	\$2,240.00
Material				\$1,590.00		\$30,363.00		\$6,240.00
Subcont., Equip. Rental or Other				\$30,363.00				
Labor				\$6,240.00				
Subtotal				\$38,193.00				
Overhead 10%				\$3,819.30				
Contractor's Fee 5%				\$1,909.65				
Total				\$43,921.95				
Page Totals								

Energy Efficient Electric, Inc.
1600 Mercer Ave. Unit 6
West Palm Beach, FL. 33401
Phone (561) 655-7211 Fax (561) 655-9661
Mobile (561) 722-1383
E-Mail Address: bill@energyeff.com

July 22, 2003

June 5, 2007 REVISION-PINE ISLAND POOL
Electrical Scope of Work
Davie On-Site Hypochlorite Generator System

We are pleased to provide your firm with our electrical budget, scope and proposal for the necessary electrical work on the above referenced project. Our revised scope and proposal is based on a site visit to system I and the Main WTP on 76th Ave and the information provided by Mr. Joe Taverrite with Carter & VerPlanck, Inc.

Included: Task Description

Davie WTP (76th Ave)

\$ 108,000

1. Furnish and install 350-amp 480-volt service from MCC-1 to panel "MDP" in the chlorine tank building. *Based on power requirements of 240-amp @ 480-volt 3-phase.*
2. Furnish and install new 350-amp Circuit Breaker in MCC-1.
3. Furnish and install a 300-amp feeder from "MDP" to the new rectifier.
4. Furnish and install One (1) 10 KVA 1-phase transformer and load center for necessary control panel power as well as needed branch circuit wiring within the CL2 Tank building.
5. Furnish and install 400-amp 480-volt 3-phase distribution panel. "MDP"
6. Provide miscellaneous conduit and wire to connect various solenoids and transmitters as provided by "CLORTEC".
7. Provide necessary branch circuit wiring from the WTP power system to a "CLORTEC" Transfer pump control panel.
8. Furnish and install miscellaneous Instrumentation & Control wiring from the CL2 tank building to a feed pump control panel.
9. Provide seven (7) "manual motor starters" (maintenance disconnects) for the new feed pumps.
10. Provide necessary branch circuit wiring for the new "Feed Pump" package.
11. Provide power & control wiring to the Carter VerPlanck control panel package for the feed pumps.
12. Provide miscellaneous conduit and wire to upgrade lighting as needed in the CL2 room for this project.
13. Provide necessary electrical demolition as needed to safe-off equipment and make ready for removal by others.
14. Provide level controls from the WWTP level transmitter back to the WTP transfer pump control panel.

North WTP

\$ 45,500

15. Furnish and install 100-amp 480-volt feed from the existing electrical system in the generator room at the North WTP. *Based on power requirements of 60-amp @ 480-volt 3-phase.*
16. Provide miscellaneous conduit and wire to connect various solenoids and transmitters as provided by "CLORTEC".
17. Provide necessary branch circuit wiring from the WTP power system to a "CLORTEC" Transfer pump control panel.
18. Provide necessary branch circuit wiring for the new "Feed Pump" package.
19. Provide power & control wiring to the Carter VerPlanck control panel package for the feed pumps.
20. Furnish and install miscellaneous Instrumentation & Control wiring from the CL2 tank building to a feed pump control panel.

Residential ---- Lighting Systems ---- Commercial ---- Industrial

Energy Efficient Electric, Inc.
1600 Mercer Ave. Unit 6
West Palm Beach, FL 33401
Phone (561) 655-7211 Fax (561) 655-9661
Mobile (561) 722-1383
E-Mail Address: bill@energyeff.com

Pine Island Par Pool

\$ 32,640

21. Provide Two (2) new feeder breakers in the existing 208-volt power panel in the CL2 room for the "CLORTEC" system. One (1) 2-pole 60-ampere breaker for the Rectifier circuit and One (1) 2-pole 30-ampere breaker for the starter panel as indicated on the 90% design drawings.
22. Furnish and install a "BUCK/Boost" transformer to step-up power from 208-volt 1-phase to 240-volt 1-phase as needed for the systems shown on the 90% drawings.
23. Furnish and install fused main disconnect for the "CLORTEC" system.
24. Provide miscellaneous conduit and wire to connect various solenoids and transmitters as provided by "CLORTEC".

Betty Roberts Park Pool

\$ 2,400

25. Provide a new 30-amp 1-phase circuit breaker in the existing panel adjacent to the existing CL2 system for the new "CLORTEC" system. *Based on power requirements of 18-amp @ 240-volt 1-phase.*
26. Provide miscellaneous conduit and wire to connect various solenoids and transmitters as provided by "CLORTEC".
27. Provide power & control wiring to the Carter VerPlanck control panel package for the feed pumps.

Excluded:

28. "CLORTEC" equipment furnished by others.
29. All VFD's are to be furnished by others.
30. All motors, pumps, solenoids, transmitters and miscellaneous control devices are to be furnished by others.
31. Bonding is available but not included with this quotation.
32. Special supports, rain hoods and any other special devices for instrumentation equipment are to be furnished and installed by others.
33. Lightning protection is not included.

If you have any questions, call me at the office.

Thank You

Bill Scott

Bill Scott
Vice President

Residential ----- Lighting Systems ----- Commercial ----- Industrial



May 30, 2007

Via Fax: 954-587-6653

Mr. Robert Hodges
CARDINAL CONTRACTORS
5365 Stirling Road
Ft. Lauderdale, Florida 33314

*Town of Davie On-Site Sodium
Hypochlorite Generation Systems – Contract Amendment*

Dear Bob:

Mathews Consulting, Inc. (MC) is pleased to provide a scope of services amendment and fee proposal for the referenced project. This proposal presents our understanding of additional services requested from the Town of Davie for the new Pine Island Pool On-Site Sodium Hypochlorite Generation System.

Task No. 1 – Design Update

1. MC shall conduct a site visit to assess the current site conditions at the Pine Island Pool. MC shall incorporate the new pool filter and appurtenances on the 90% drawings previously prepared by MC in May 2006.
2. MC shall incorporate 90% comments from the Town and prepare 100% construction drawings for the project.
3. MC shall attend up to one (1) meeting with the project team in order to finalize the 100% documents.

Task No. 2 – Permitting Update

1. MC shall review and update the Broward County Health Department permitting packages previously prepared for the project in 2006. MC shall re-distribute permit forms for signature by the Town.
2. MC shall provide brief project description and design data for inclusion in permit application package. MC shall respond to any RFI's issued for the project. The Contractor shall be responsible for preparing and submitting all other permits for the project. All permit fees will be paid by the Contractor and/or Town.

Task No. 3 – Construction Observation

1. MC shall review shop drawings of equipment items (e.g. mechanical, structural, electrical, instrumentation) before submittal to the Town.
2. MC shall perform periodic site inspections when construction needs dictate (up to eight general site visits will be provide). Special inspections for project certification will be required during the following events:
 - a. Pipeline installation and pressure testing.
 - b. Inspection of rebar placement prior to concrete pour.
 - c. Hydraulic testing of tanks.
3. MC shall provide assistance during equipment startup and witness performance testing.
4. MC shall prepare Record Drawings of the completed installation based upon the Contractor's as-built markups.
5. MC shall provide final certification of the project for permitting completion.
6. MC shall provide one (1) hard copy and one (1) electronic copy of Record Drawings to the Town upon completion of the project.

Assumptions

1. MC will invoice on a monthly basis for services completed to date. Payment of all applicable costs will be made to MC within 30 days of receipt of invoice.
2. Services for HVAC design, permitting and construction observation services are not included with this proposal.

Fee Proposal

MC shall provide services listed above for a lump sum fee of **\$14,880.00**. Refer to attached fee table.

Very Truly Yours,

MATHEWS CONSULTING, INC.

A handwritten signature in black ink, appearing to read "Rene L. Mathews". The signature is written in a cursive, flowing style.

Rene L. Mathews, P.E.
President

Mr. Robert Hodges
 May 30, 2007
 Page 4 of 4

Town of Davle
 Pine Island Pool - Design & Construction Services Update
 Mathews Consulting Fee Table

Task No.	Task Description	Labor Classification and Hourly Rates							Total Labor	Sub-Consultant Services
		Principal Engineer \$130	Sr Project Engineer \$120	Engineer I \$94	Construction Inspector \$75	Cadd Designer \$85	Technician \$50	Clerical \$50		
1	Design Update									
	Site visit & update drawings	4	8			4			\$1,800	
	Prepare 100% documents	4	12			4			\$2,200	
	Project meeting	4	4						\$1,000	
	Subtotal Task 1	12	24	0	0	8	0	0	\$5,120	
2	Permitting Update									
	Update permit package	2	4						\$740	
	RFIs	2	4						\$740	
	Subtotal Task 2	4	8	0	0	0	0	0	\$1,480	
3	Construction Services									
	Shop drawings	2	8						\$1,420	
	Periodic site inspections		12				4		\$1,440	
	Startup & testing		8						\$960	
	Record Drawings		4			4			\$820	
	Final Certification	2	2						\$500	
	Subtotal Task 3	4	34	0	0	4	0	4	\$5,140	
	Subconsultant - Electrical Design Assoc.									\$2,400
	Labor Subtotal Hours	20	66	0	0	12	0	4		
	Labor Subtotal Costs	\$2,600	\$7,920	\$0	\$0	\$1,020	\$0	\$200	\$11,740	\$2,400
	Labor Total Costs	\$11,740								
	Subconsultant Costs Total	\$2,400								
	Subconsultant Multiplier	1.1								
	Subconsultant Total	\$2,640								
	Reimbursable Expense	\$600								
	Project Total	\$14,880								

Robert Hodges

From: Rene Mathews [RMathews@mathewsconsultinginc.com]

Sent: Wednesday, May 30, 2007 9:37 AM

To: Robert Hodges

Subject: Davie

Attached is our updated scope & fee for Davie Pine Island Pool. Let me know if you have any questions.

Rene L. Mathews, P.E., President
Mathews Consulting, Inc.
1475 Centrepark Blvd., Suite 250
West Palm Beach, Florida 33401
561-478-7961
561-478-7964 Fax
www.mathewsconsultinginc.com

5/30/2007

Detail by Entity Name

Florida Profit Corporation

CARDINAL CONTRACTORS, INC.

Filing Information

Document Number P03000135967
FEI Number 830377797
Date Filed 11/19/2003
State FL
Status ACTIVE
Effective Date NONE

Principal Address

2201 CANTU CT
SUITE 202
SARASOTA FL 34232

Mailing Address

2201 CANTU CT
SUITE 202
SARASOTA FL 34232

Registered Agent Name & Address

CT CORPORATION SYSTEM
1200 S. PINE ISLAND ROAD
PLANTATION FL 33324 US

Name Changed: 04/25/2007

Address Changed: 04/25/2007

Officer/Director Detail

Name & Address

Title DP

MCDEVITT, WILLIAM J
2201 CANTU CT SUITE 202
SARASOTA FL 34232

Title DT

THEEUWES, ALFONS
2201 CANTU CT SUITE 202
SARASOTA FL 34232

Title VPAS

HODGES, ROBERT E

5365 STIRLING RD
FORT LAUDERDALE FL 33314

Title DVP

SCHAUERMAN, JOHN
2201 CANTU CT SUITE 202
SARASOTA FL 34232

Title T

WILSON, ROBIN C
2201 CANTU COURT SUITE 202
SARASOTA FL 34232

Title V

MOORE, WILLIAM W
2201 CANTU CT. STE. 202
SARASOTA FL 34232