

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: November 16, 2010 Consent [X] Regular []
Public Hearing []

Submitted By: Water Utilities Department
Submitted For: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Work Authorization No. 4 to the Water Utilities Department Disaster Recovery Services Design/Build Contract with CDM Constructors, Inc. (R2010-0909) for construction of Water Treatment Plant (WTP) No. 2, WTP No. 9 and the Central Region Operations Center (CROC) Hurricane Hardening Project in the amount of \$169,754.

Summary: On June 8, 2010, the Board approved the Water Utilities Department Disaster Recovery Design/Build Services with CDM Constructors, Inc. (R2010-0909). This Work Authorization is for hurricane hardening mitigation at WTP No. 2, WTP No. 9 and CROC and includes hardening of existing windows, louvers and doors to prevent wind damage and water intrusion. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with CDC Constructors, Inc. provides for SBE participation of 31.00% overall. This authorization includes 60.21% overall participation. The cumulative SBE participation, including this work authorization, is 51.77% overall. CDM Constructors, Inc. is a local Palm Beach County Company (WUD Project No. 10-058) Districts 2, 5 and 6 (JM)

Background and Justification: Work Authorization No. 4 is for hurricane hardening mitigation of WTP No. 2, WTP No. 9 and CROC. The hardening of these facilities is prudent planning to ensure the integrity of the County's water and wastewater infrastructure from natural disasters, including Category 4 or 5 hurricanes. The proposed improvements are based upon structural engineering review of the facilities by Bridge Design & Associates, Inc. On June 8, 2010, the Board approved the Water Utilities Department Disaster Recovery Design/Build Services with CDM Constructors, Inc. (R2010-0909. Work Authorization No. 2 and No. 3 were approved by the Contract Review Committee for hurricane mitigation work at WTP No. 2 and WTP No. 9. Work Authorization No. 4 also includes hurricane mitigation work at WTP No. 2 and WTP No. 9 thereby requiring BCC approval based upon Contract Review Committee approval limits.

Attachments:

1. Location Map
2. Two (2) Original Work Authorization No. 4

Recommended By: Bong A. Bann 10/22/10
Department Director Date

Approved By: Shannon G. Bann
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	<u>\$169,754.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$169,754.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4011 Agency 721 Org. W006 Object 6502

Is Item Included in Current Budget?	Yes	X	No
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Reporting Category **N/A**

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

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

C. Department Fiscal Review: Selma Moret

III. REVIEW COMMENTS

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


Completion of projects shall be within 150 days from notice to proceed.


OFMB

Dr. J. Jacobs
Contracts Development and Control
2 Jones 10/27/10

B. Legal Sufficiency:

Legal Sufficiency:


Assistant County Attorney

**This item complies with current
County policies.**

C. Other Department Review:

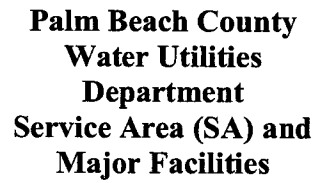
Department Director

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

This map illustrates the CROC Facility and its surrounding infrastructure in Martin County, Florida. Key features include:

- CROC Facility:** The central focus of the map, located near the intersection of Highway 98 and Highway 80.
- Water Treatment Plants (WTPs):** Several WTPs are marked, including WTP #2, WTP #9, WTP #10, WTP #12, and WTP #13.
- Highways:** Major roads shown include Highway 98, Highway 80, Highway 22, and Highway 1.
- Canals:** Numerous canals are depicted, such as L-21, L-10, L-13, L-16, L-19, L-23, L-25, L-26, L-27, L-28, L-29, L-30, L-31, L-32, L-33, L-34, L-35, L-36, L-37, L-38, L-39, L-40, L-41, L-42, L-43, L-44, L-45, L-46, L-47, L-48, L-49, L-50, L-51, L-52, L-53, L-54, L-55, L-56, L-57, L-58, L-59, L-60, L-61, L-62, L-63, L-64, L-65, L-66, L-67, L-68, L-69, L-70, L-71, L-72, L-73, L-74, L-75, L-76, L-77, L-78, L-79, L-80, L-81, L-82, L-83, L-84, L-85, L-86, L-87, L-88, L-89, L-90, L-91, L-92, L-93, L-94, L-95, L-96, L-97, L-98, L-99, and L-100.
- Other Landmarks:** The Loxahatchee Wildlife Refuge is shown to the south of the CROC Facility. Other areas include the Loxahatchee River, the Loxahatchee Canal, and the Loxahatchee Bay.

The map is bordered by Martin County to the north, Hendry County to the west, and Broward County to the south.



Attachment 1

P.B.C.W.U.D. SA
----- Mandatory Reclaimed SA
- - - Palm Beach County Limits
★ Administration
■ Water Reclamation Facility
▲ Water Treatment Facility
Ⓢ Wetlands



NOT TO SCALE

WORK AUTHORIZATION NO. 4

Project No. 10-058 – Hurricane Hardening of WTP 2, WTP 9 and CROC

Budget Line Item No. 4011-721-W006-6502

Project Title: Construction Services for the Hurricane Hardening of WTP 2, WTP 9 and CROC

District No.: 2, 5, and 6

THIS WORK AUTHORIZATION #4 to the Contract for Design/Build Services dated 6/8/2010 (R2010-0909). (Disaster Recovery Services Design/Build Contract), by and between Palm Beach County and the Design/Build entity identified herein, is for the Construction Services described in Item 3 of this Authorization. Palm Beach County's annual goal for SBE participation for this Contract is 15%. The Design/Build entity has agreed to exceed the goal with a 31% SBE participation overall. This Authorization includes 60.21% overall participation. The cumulative SBE participation, including this authorization is 51.77% overall, to date. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. DESIGN/BUILD ENTITY: CDM CONSTRUCTORS INC.
2. ADDRESS: 1601 Belvedere Road, Suite 400 East, West Palm Beach, FL 33406
3. Description of Services to be provided by the Consultant:

Construction Services under Design/Build Contract between Palm Beach County and CDM Constructors Inc.

SEE EXHIBIT "A".
4. Services completed by the Design/Build entity to date:

SEE EXHIBIT "B" and "C".
5. Design/Build entity shall begin work promptly on the requested services.
6. The compensation to be paid to the design/build entity for providing the requested Services shall be:

A. Compensation of a Lump Sum Price in the amount of \$169,754.
7. This Work Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Design/Build entity, the Design/Build entity shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.
8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated 6/8/10 (R2010-0909) will remain in force and effect.

**WORK AUTHORIZATION NO. 4
HURRICANE HARDENING OF WTP 2, WTP 9 and CROC
PROJECT NO. WUD 10-058**

IN WITNESS WHEREOF, this Work Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

CONSULTANT:
FIRM: CDM CONSTRUCTORS INC.

**PALM BEACH COUNTY
A POLITICAL SUBDIVISION OF THE
STATE OF FLORIDA
BOARD OF COUNTY COMMISSIONERS
OF PALM BEACH COUNTY, FLORIDA**

Signed: William Rahrig

Signed: _____

Typed Name: William Rahrig

Typed Name: Chair

Title: Project Manager

Date: 10/07/10

Bock

ATTEST:

ATTEST:

Sharon R. Bock, Clerk & Comptroller

Signed: Lewise G. Gm

(Deputy Clerk)

**APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:**

(County Attorney)

EXHIBIT A

WORK AUTHORIZATION NO. 4

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT DESIGN BUILD SERVICES

SCOPE OF WORK FOR HURRICANE HARDENING OF WTP 2, WTP 9 and CROC

Budget Line Item No. 4011-721-W006-6502

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Disaster Recovery Services Design/Build Contract, Project No. WUD 10-027 (CONTRACT) with CDM Constructors Inc. (Design/Build Entity) to provide services for various general activities (Disaster Recovery Services – Design/Build Contract). This Work Authorization will be performed under that CONTRACT. This Work Authorization encompasses providing services related to the Hurricane Hardening of WTP-2, WTP-9, and CROC as identified in this Exhibit.

BACKGROUND

Design/Build Entity has contracted with COUNTY to provide Design/Build services during and after storms. This Work Authorization will provide construction staff to perform Construction Services for Hurricane Hardening Improvements of WTP-2, WTP-9, and CROC.

SCOPE OF SERVICES

This project involves architectural enhancements to structures at the COUNTY's Water Treatment Plant #2, #9, and CROC facility to improve survivability during a category 4 or 5 hurricane. The scope requires CDM to perform Construction Services for the Water Treatment Plant #2, #9, and CROC Hurricane Hardening Improvements including modifications to doors (architectural and electrical), the addition of protective baffle walls, rain shields at electrical equipment, and generator shroud reinforcements.

Description of Services

Design/Build Entity will provide the following services associated with the project:

TASK 1	Submittal Review and Inspection Services
TASK 2	Construction Services

The following paragraphs describe the services to be provided under each task:

TASK 1.0 - ENGINEERING SERVICES FOR CONSTRUCTION SUBMITTAL REVIEW AND INSPECTION SERVICES

Design/Build Entity will provide submittal review and inspection services during the course of this construction phase of the project.

TASK 2.0 - CONSTRUCTION SERVICES

Design/Build Entity will provide construction services for the construction phase of the hurricane hardening of WTP-2, WTP-9, and CROC, and the Scope as stated on the attached Subcontractor's quotations. This task will include only the following activities:

- Design and build a protective "drip pan" under the existing generator area roof opening and reinforcements to the generator shroud at WTP #9 as further detailed within this proposal.
- Modifications to 14 door openings at the Clearwell Building at Water Treatment Plant #9 as further detailed within this proposal.
- Replacement or modification of 6 door openings at the Generator Building at the Palm Beach County CROC Facility as further detailed within this proposal.
- CDM shall remove existing motion detectors and associated wiring, as detailed in this proposal. Patching and painting not included.
- Installation of baffle walls to protect the building louvers at sensitive areas at Water Treatment Plant #2 and the CROC Facility, as further detailed in this proposal.
- Worksite shall be secured with doors installed prior to leaving the worksite overnight.
- CDM will apply for and obtain the necessary building permits required to perform the work.
- NTP will be issued to CDM upon receipt of approved building permits.

EXCLUSIONS

- Damages to any underground utilities and any conduit extensions under block wall footings or embedded in concrete or walls which are not visible or not indicated from underground locates or not shown on record drawings.
- Connection and programming of existing access control system, any additional power supplies required beyond existing and electrical connections for same will be paid from the allowance monies.
- Electrical, pipe, and mechanical conflicts which are not visible or not indicated from underground locates or not shown on record drawings.
- Payment and Performance Bond.
- County will pay for all building permit fees.

QUALIFICATIONS

- It is assumed that any all permitting fees will be paid by the County and are not included in this scope of services.
- Refer to Disaster Recovery Services Design/Build contract, dated June 8, 2010 for any claims and disputes.

COMPENSATION

Compensation for Construction Services for Work Authorization No.4 (WA #4) will not exceed the amount of **\$169,754. Attachment A** provides the cost break down and the fee. This pricing is based on receipt of executed work authorization no later than October 15, 2010.

SCHEDULE

The scheduled Completion Date for the scope of work associated with WA #4 will be based on the receipt of an executed work authorization no later than October 15, 2010 and will be Substantially Complete within 120-days from NTP, and Final Completion within 150-days from NTP. See **Attachment B**.

Liquidated Damages: Should the work not be completed within the milestones specified herein, liquidated damages will be assessed at \$500.00 per calendar day after the substantial completion date and \$250.00 per calendar day after the final completion date.

CONTINGENCY

The lump sum price includes a Design/Builder controlled allowance in the amount of Zero Dollars (\$0) which is available for the Design/Builder's exclusive use for costs that are incurred in performing work that were unforeseen and not included in the lump sum price. Such cost may include, but not be limited to overtime, costs in correcting defective, damage or nonconforming work, design errors and omissions by sub-consultant and Subcontractor defaults. Any part of this contingency not used by the Design/Builder will be credited to the COUNTY at final project close-out. The lump sum price also includes a COUNTY controlled allowance in the amount of Fifteen Thousand Two Hundred Seventy Eight Dollars (\$15,278) which is available for the County's exclusive use. Any part of the contingency not used by the COUNTY will be credited to the COUNTY at final project close-out.

COUNTY'S OBLIGATIONS

The County shall designate individuals who will be responsible to coordinate and schedule necessary facilities to facilitate construction and participate in testing for acceptance of the Work.

- The County shall promptly review and approve all submittals and select colors within one calendar week and notify design consultant of approval.
- The County shall assist in arranging for access to and make provisions for Design/Build Entity to enter upon public and private property as required by Design/Build Entity or one of its sub-consultants or subcontractors to perform its services.

SBE PARTICIPATION

As prescribed under 1-3 (General Provisions) of the CONTRACT, Small Business Enterprise (SBE) participation is included in **Attachment C** under this Authorization. The attached Schedule #1 defines the SBE participation.

ATTACHMENT - A Budget Summary

ATTACHMENT - B Project Schedule

ATTACHMENT - C SBE Schedules-1 & 2

ATTACHMENT - D Location Map

ATTACHMENT A

[illegible]

ATTACHMENT B

PROJECT SCHEDULE

WORK AUTHORIZATION NO. 04

**PALM BEACH COUNTY WATER UTILITIES DEPARTMENT
DESIGN BUILD SERVICES
WUD 10-058**

**HURRICANE HARDENING
OF WTP 2, WTP 9 and CROC**

Budget Line Item No. 4011-721-W006-6502

Substantial Completion

Completion Date - 120 days from Notice to Proceed (NTP)

Final Completion

Completion Date - 150 days from NTP

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE SUBCONSULTANTS

PROJECT NAME: Hurricane Hardening of WTP 2, WTP 9 and CROC (WA #4) PROJECT NO. 10-058

NAME OF PRIME CONSULTANT: CDM Constructors Inc.

DESCRIPTION OF WORK: Furnish and install hurricane hardening improvements at Water Treatment Plant #2, Water Treatment Plant #9, and the County CROC Facility.

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES OF SUBCONSULTANTS

Name, Address and Phone Number	(Check one or both Categories)		Subcontract Amount				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Atlantic Window Systems 2731 Vista Parkway, Suite #5 1.West Palm Beach, FL 33411 561-793-2530	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$	\$ 63,765.00 (SBE)
Globaltech, Inc. 1075 Broken Sound Pkwy NW, Suite 103 2.Boca Raton, FL 33487 561-997-6433	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$	\$ 20,315.00 (SBE)
Proshell Construction Services, Inc. 1860 Old Okeechobee Road, Suite 501 3.West Palm Beach, FL 33409 561-684-4959	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$	\$ 18,130.00 (SBE)
4.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
5.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
(Please use additional sheets if necessary)			Total	\$	\$	\$	\$

Total Price \$ 169,754.00 Total SBE Participation \$ 102,210.00 SBE % 60.21

Note: 1. The amounts listed on this form must be supported by the Subconsultant prices included on Schedule 2 in order to be counted toward goal attainment.
2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

SCHEDULE # 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. 10-058

PROJECT NAME: Hurricane Hardening at Various Structures

TO: CDM Constructors Inc.

(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise X

Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian X Other (Please Specify) _____

Date of Palm Beach County Certification: 12-11-2007

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail particular work items or parts thereof to be performed):

Furnish and install doors and hardware at WPT#9 and the CROC Facility as detailed in
the attached proposals.

at the following price \$ 63,765.00

(Subconsultant's fee)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ 0

The undersigned subconsultant understands that the provision of this form to prime consultant does not prevent subconsultant from providing services to other consultants.

Atlantic Window Systems

(Print name of SBE-M/WBE Subconsultant)

By: [Signature]
(Signature)

Bill P. [Signature]
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: 9/21/10

SCHEDULE # 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. 10-058

PROJECT NAME: Hurricane Hardening at Various Structures

TO: CDM Constructors Inc.

(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise X

Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian X Other (Please Specify) _____

Date of Palm Beach County Certification: 11-24-2009

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail particular work items or parts thereof to be performed):

Design and build a protective "drip pan" under the existing generator area roof opening at WTP #9. Reinforce the generator shroud at WTP #9. Perform this work as detailed in your attached proposal dated July 27, 2010.

at the following price \$ 20,315.00

(Subconsultant's fee)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ _____.

The undersigned subconsultant understands that the provision of this form to prime consultant does not prevent subconsultant from providing services to other consultants.

Globaltech, Inc.

(Print name of SBE-M/WBE Subconsultant)

By

Richard D. Olson
(Signature)

CLIENT SERVICES MANAGER
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: SEPTEMBER 27, 2010

SCHEDULE # 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. 10-058PROJECT NAME: Hurricane Hardening at Various StructuresTO: CDM Constructors Inc.

(Name of Prime Consultant)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise X

Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian X Other (Please Specify) _____Date of Palm Beach County Certification: 4-6-2009

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail particular work items or parts thereof to be performed):

Install two protective baffle walls at sensitive areas at WTP #2. Install an additional wall at the PBC CROC Facility. Perform this work as detailed in your attached proposals dated September 20 and 21, 2010, and in accordance with TKW drawings S001, S100, S200, and S400.

at the following price \$ 18,130.00

(Subconsultant's fee)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ _____

The undersigned subconsultant understands that the provision of this form to prime consultant does not prevent subconsultant from providing services to other consultants.

Proshell Construction Services, Inc.

(Print name of SBE-M/WBE Subconsultant)

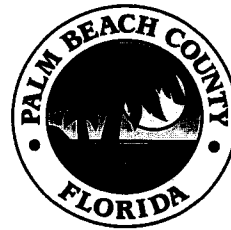
By: 

(Signature)

JULIAN BORUEGADO
(Print name/title of person executing on behalf
of SBE-M/WBE Subconsultant)

Date: 09-27-10

ATTACHMENT D - LOCATION MAP
HURRICANE HARDENING OF WTP #2, #9, AND CROC FACILITY



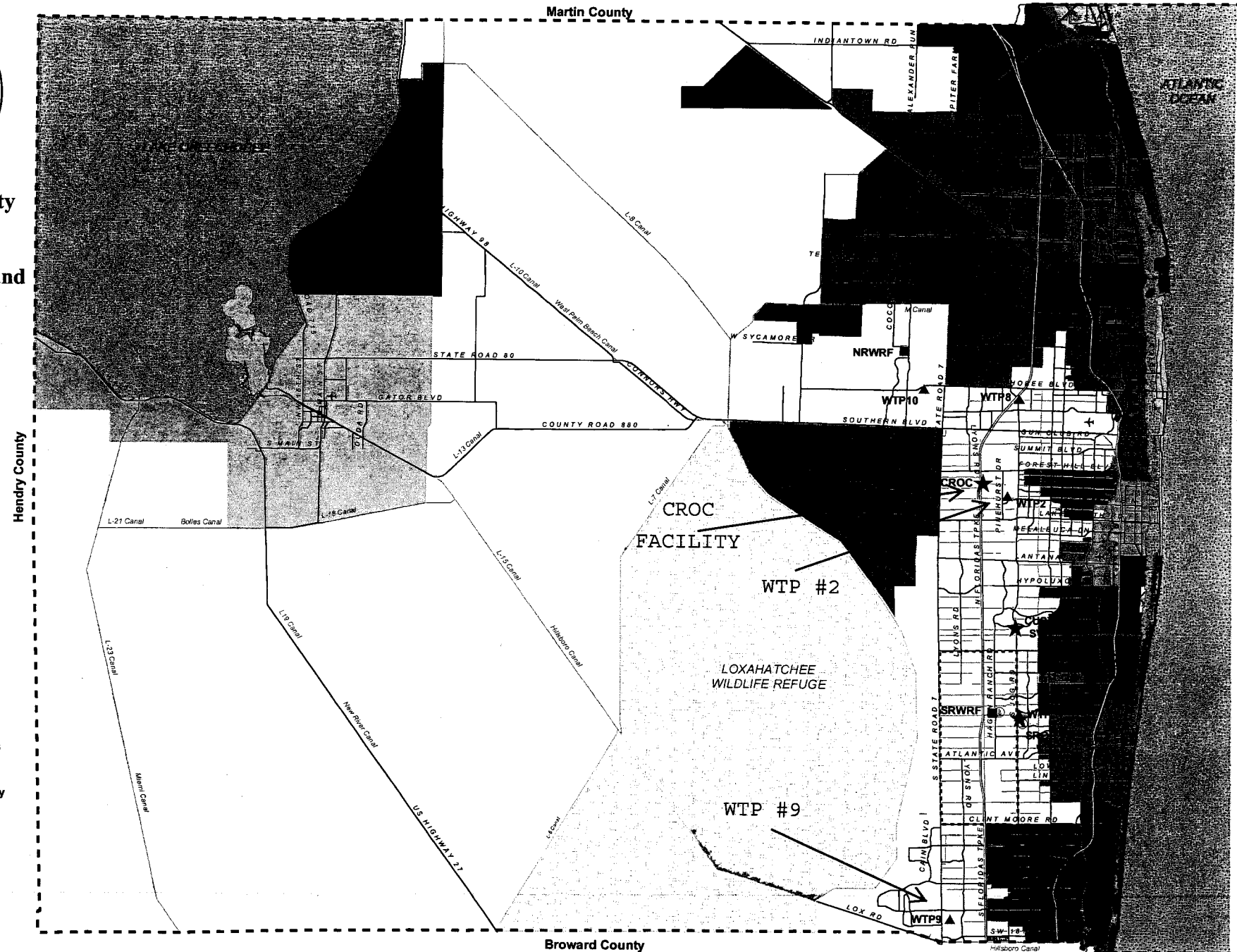
Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities

Legend

- P.B.C.W.U.D. SA
- Mandatory Reclaimed SA
- - - - - Palm Beach County Limits
- ★ Administration
- Water Reclamation Facility
- ▲ Water Treatment Facility
- ④ Wetlands



NOT TO SCALE





Presented by; Bill Rutherford
 Saturday, September 18, 2010
 2731 Vista Parkway, Suite #5, West Palm Beach, FL 33411
 voice- 561-793-2530 ex-218
 voice- 866-339-8568 ex-218
 fax- 561-793-2404
 email- billr@atlanticwindowssystems.com
 web- www.atlanticwindowssystems.com
 Lic# CBC1252048

PBC WUD Water Treatment Plant #9, Clearwell buildings only v5.0

location	building	Location	opn. #	Description	Comments	Installed Price
WTP-9	Clearwell buildings	east elevation	CW-1	double door with small long lites	> Retrofit existing active door with new panic bar exit device locking system, with electric access. > Install new power supply access control (share with 2 & 9) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lites with impact resistant type.	\$ 4,271
WTP-9	Clearwell buildings	south elevation	CW-2	single door with small long lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #1 (share with #1 & 9) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$ 2,197
WTP-9	Clearwell buildings	south elevation	CW-3	single door with small short lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Install new power supply, access control (share with 8) > Remove / disable existing magnetic lock motion sensor system > Replace existing door lite with impact resistant type.	\$ 3,287
WTP-9	Clearwell buildings	south elevation	CW-4	single door with small long lite and louver	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Install new power supply, access control (share with 7) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type. > existing louver to be left in place	\$ 3,287
WTP-9	Clearwell buildings	south elevation	CW-5	double door with small long lites	> Retrofit existing active door with new panic bar exit device locking system, with electric access. > Install new power supply access control (share with 6) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lites with impact resistant type.	\$ 3,931
WTP-9	Clearwell buildings	north elevation	CW-6	single door with small long lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #3 (share with 5) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$ 2,197
WTP-9	Clearwell buildings	north elevation	CW-7	single door with small long lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #3 (share with 4) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$ 2,197
WTP-9	Clearwell buildings	north elevation	CW-8	single door with small long lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #3 (share with 3) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$ 2,197

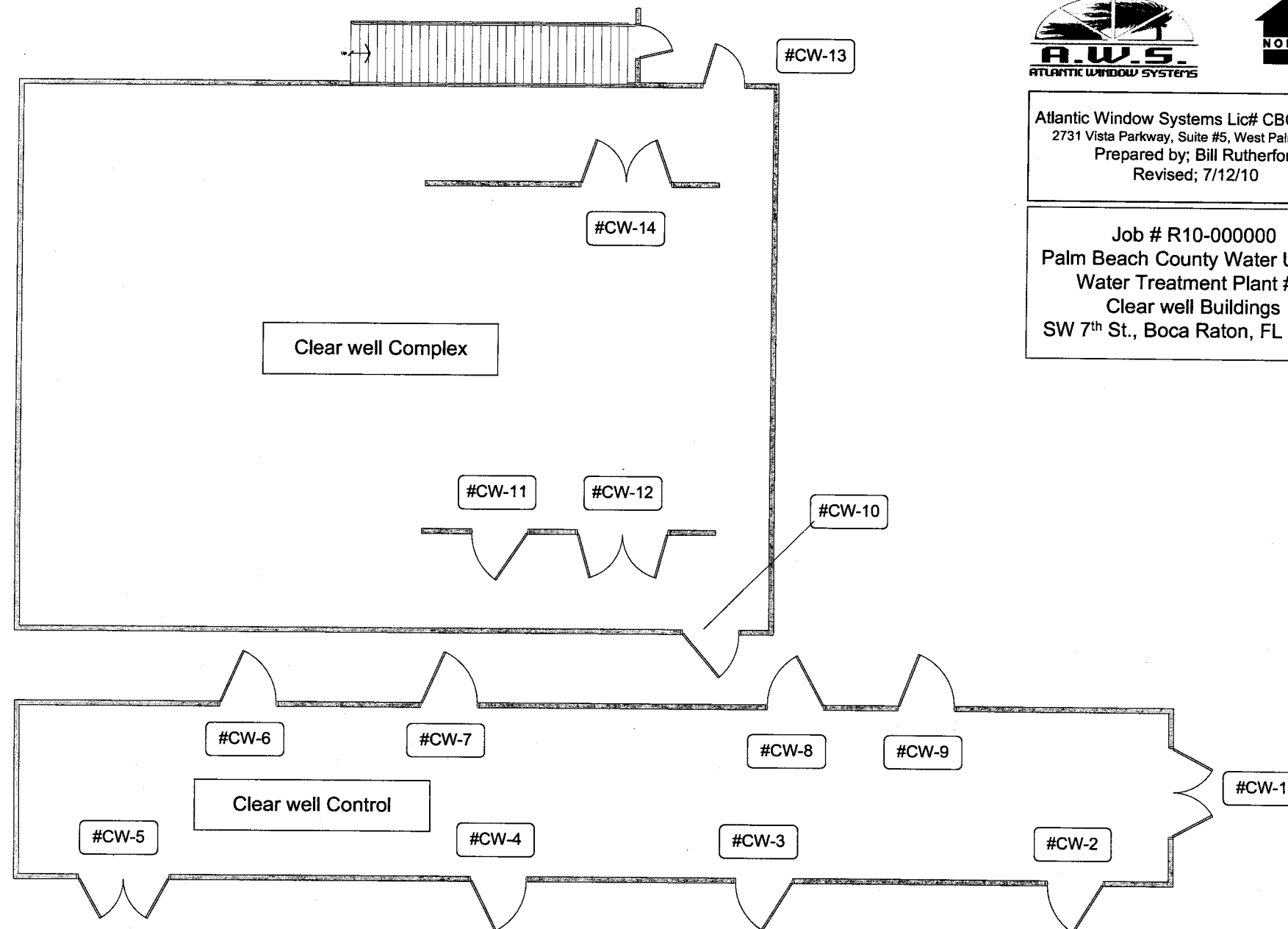
WTP-9	Clearwell buildings	north elevation	CW-9	single door with small long lite	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #1 (share with #1 & 2) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$	2,197
WTP-9	Clearwell buildings	south elevation	CW-10	single door (louver ???)	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Install new power supply, access control (share with 13) > Remove / disable existing magnetic lock motion sensor system	\$	3,229
WTP-9	Clearwell buildings	south elevation	CW-11	single door with small long lite and louver	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Install new power supply, access control (share w/ 12 & 14) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lite with impact resistant type.	\$	3,627
WTP-9	Clearwell buildings	south elevation	CW-12	double door with small short lites	> Retrofit existing active door with new panic bar exit device > Use power supply for door #11 (share with #11 & 14) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lites with impact resistant type.	\$	2,056
WTP-9	Clearwell buildings	north elevation	CW-13	single door with louver	> Retrofit existing door with new panic bar exit device locking system, with electric access. > Use power supply for door #10 (share with #10) > Remove / disable existing magnetic lock motion sensor system. > existing louver to be left in place	\$	2,139
WTP-9	Clearwell buildings	north elevation	CW-14	double door with small short lites	> Retrofit existing active door with new panic bar exit device > Use power supply for door #11 (share with #11 & 12) > Remove / disable existing magnetic lock motion sensor system. > Replace existing door lites with impact resistant type.	\$	2,286

Clearwell Buildings, Location Sub Total --> \$ 39,095
 Performance Bond --> \$ 1,564
 Grand Total --> \$ 40,659



Atlantic Window Systems Lic# CBC1252048
2731 Vista Parkway, Suite #5, West Palm Beach
Prepared by; Bill Rutherford
Revised; 7/12/10

Job # R10-000000
Palm Beach County Water Utilities
Water Treatment Plant #9,
Clear well Buildings
SW 7th St., Boca Raton, FL 33433





Presented by; Bill Rutherford
Wednesday, September 22, 2010
2731 Vista Parkway, Suite #5, West Palm Beach, FL 33411
voice- 561-793-2530 ex-218
voice- 866-339-8568 ex-218
fax- 561-793-2404
email- billr@atlanticwindowssystems.com
web- www.atlanticwindowssystems.com
Lic# CBC1252048

PBC WUD CROC Emergency Generator Building

v1.0

location	building	Location	opn. #	Existing Condition Description	Comments	Installed Price
CROC	Emerg. Gen. Build.	West Elevation	1	HM single door, frame badly rusted	> Install complete new Impact resistant aluminum door system > Install new panic bar exit device locking system, with electric access > Install new power supply for access control (share with #2) > Remove / disable existing magnetic lock motion sensor system	\$ 5,564
CROC	Emerg. Gen. Build.	West Elevation	2	HM Double door, Single active. Frame and slabs in good condition	> Retrofit existing active door with new panic bar exit device locking system, with electric access > use power supply for access control installed for #1 > Remove / disable existing magnetic lock motion sensor system > Replace Damaged flush bolt on passive side > Install Astragal meeting styles, interior and exterior > reseal existing threshold	\$ 2,652
CROC	Emerg. Gen. Build.	West Elevation	3	HM single door, frame showing signs of rust thru	> Install complete new Impact resistant aluminum door system > Install new panic bar exit device locking system, with future upgrade capability for electric access	\$ 4,416
CROC	Emerg. Gen. Build.	North Elevation	4	HM single door, frame showing signs of rust thru	> Install complete new Impact resistant aluminum door system > Install new panic bar exit device locking system, with future upgrade capability for electric access	\$ 4,416
CROC	Emerg. Gen. Build.	East Elevation	5	HM single door, frame showing signs of rust thru	> Install complete new Impact resistant aluminum door system > Install new panic bar exit device locking system, with electric access > Install new power supply for access control > Remove / disable existing magnetic lock motion sensor system	\$ 5,060
CROC	Emerg. Gen. Build.	interior	6	HM single door, Frame and slab in good condition	> replace existing Rotary lock with passage type keyless, similar to existing	\$ 109
CROC	Emerg. Gen. Build.					\$ -
CROC	Emerg. Gen. Build.					\$ -

Location Sub Total --> \$ 22,217

Sub Total --> \$ 22,217
Performance Bond --> \$ 889
Grand Total --> \$ 23,106

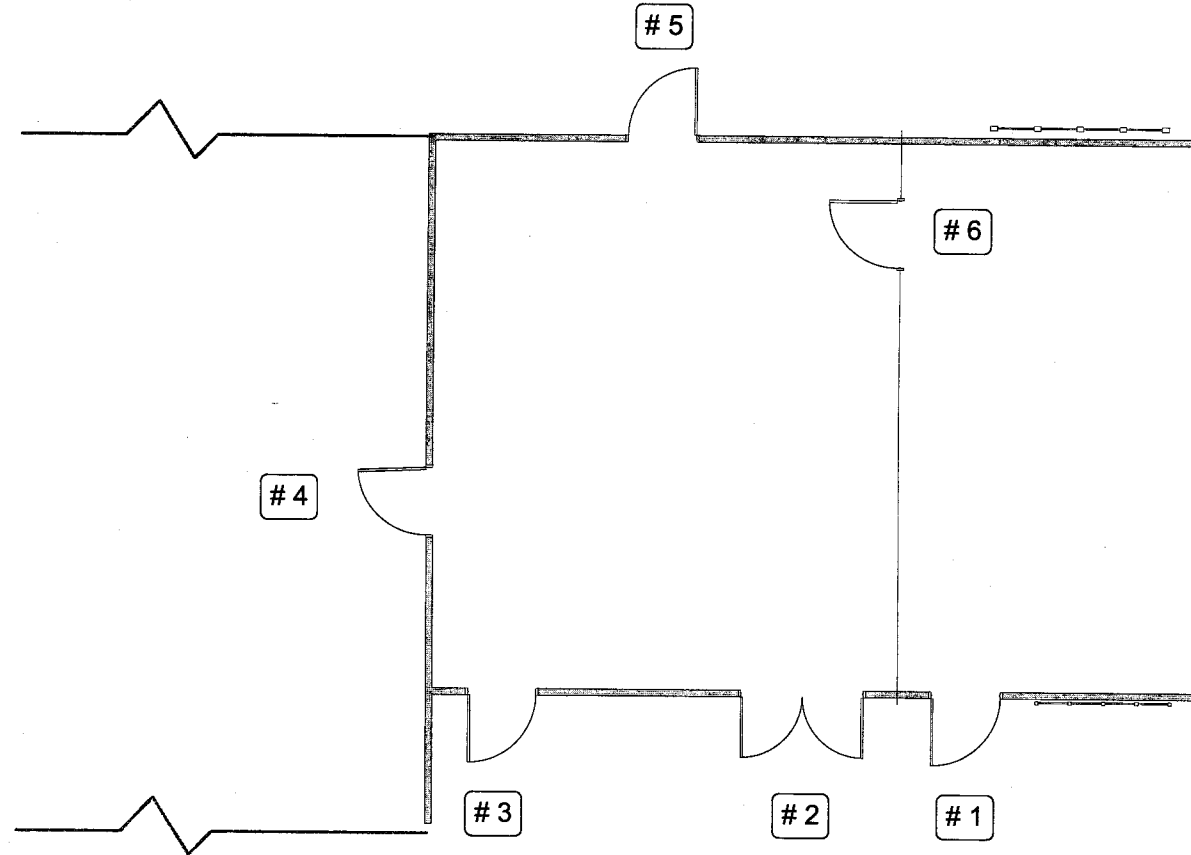
Atlantic Window Systems Lic# CBC1252048

2731 Vista Parkway, Suite #5, West Palm Beach, FL 33411



- Mean roof 20' / slope 0°
- See attached windload schedule
- Level 1 alteration
-

Job # R10-0 _____
Impact resistant (LMI)
Windows, (0) opening(s)
Doors, (5) opening(s)
Shutters, (0) opening(s)



Job # R10-0 _____
PBC WUD CROC
Generator Building

Location
Detail

Atlantic Window Systems Lic#
CBC1252048
2731 Vista Parkway, Suite #5, West Palm Beach
Prepared by: Bill Rutherford
Revised: 09/22/10

July 27, 2010

Suzanne Mechler, P.E.
Project Manager
CDM
1601 Belvedere Road, Suite 400 East
West Palm Beach, FL 33406

Re: Proposal for Hurricane Hardening Services at Palm Beach County –
Water Treatment Plant No. 9

Dear Suzanne:

On behalf of Globaltech, Inc., I am pleased to submit this proposal to provide design build services for hurricane hardening at Palm Beach County's Water Treatment Plant No. 9. In summary, Globaltech was requested to provide a cost estimate for services within the generator building including the installation of a "drip pan" below a roof vent (above the generator electrical panel) and reinforcing the intake shroud for the existing generator.

Drip Pan

The existing roof opening is approximately 4 feet by 4 feet and aligns directly over the generator electrical control panel. To address wind driven rain or leaks within the roof vent, a "drip pan" will be fabricated and installed directly below the opening in the roof. The pan will be constructed of 0.125 inch aluminum and will extend approximately 6-inches beyond the opening in all directions. The drip pan will be suspended approximately 1 foot below the roof panels to minimize disturbance in room ventilation. The drip pan will be suspended from the ceiling using stainless steel cables and anchor bolts installed into the web of the roof trusses. The drip pan will drain into 2-inch PVC piping that will be suspended from the ceiling and walls and exit the wall into the grass on the west side of the building. Attachment A provides a cost estimate for the fabrication and installation of the drip pan.

Generator Shroud

An existing generator shroud draws cooling air from the east side of the generator building. The existing shroud is approximately 14 feet wide and 10 feet high and constructed of very thin gauge galvanized steel. The County desires to reinforce the shroud to prevent collapse during storm events.

Globaltech visited the existing generator on two occasions in an attempt to develop a plan to reinforce the shroud. Upon consultation with a sheet metal fabricator, it is our mutual conclusion that the County will have a better product if the existing shroud is replaced with a higher gauge

"A Design-Build Company"

metal rather than installing an exterior structural skeleton. This conclusion is based upon the following facts:

- The shroud is independent from the generator. It is isolated from the generator to prevent vibration from being transmitted into the shroud and receives little or no structural support from the generator.
- Tack welding a frame to the exterior of the shroud would be problematic due to the geometry of the shroud and the thickness of the metal.
- Access to the interior of the shroud is not possible

With this determination, we propose to fabricate a new shroud using the same dimensions and geometry as the existing shroud from 0.125 inch thick sheet aluminum. The shroud will mount onto the east wall of the building and butt up against the baffle on the generator. Attachment A provides a cost estimate for the fabrication and installation of the generator shroud.

Assumptions

- The proposed drip pan is tasked with collecting minor wind driven rain that may enter the generator building. It is not intended to prevent rainfall from damaging the electrical panel should the roof vent blow off of the building.
- No permits are required for this work
- Water collected in the drip pan will be hard piped and discharged to the exterior of the building. Globaltech is not responsible for managing stormwater once the water is discharged.
- A rough piping diagram will be submitted to Palm Beach County to review the piping route. Record drawings will not be prepared for this project.
- Upon approval of this proposal, the drip pan and shroud will be fabricated and installed approximately 4 weeks. The work will be completed in a sequential manner; individual panels will be removed and replaced over a two week period until the entire shroud is complete.

Please review this proposal and incorporate it with the authorization that you are submitting to the County. Compensation for this work will be on a lump sum basis in the amount of \$20,315 following the schedule provided in Attachment A.

Please call me at 561-997-6433 if you have any questions.

Sincerely,



Rick Olson, P.E.
Client Services Manager

"A Design-Build Company"

Budget Summary

CSI Division	Task Description	Labor Classification and Hourly Rate							Total Labor	Materials	*Sub- Contractor Services
		PRO8	PRO6	PRO6	NEO4	NEO2	T4	Office			
		\$60.00	\$40.00	\$35.00	\$24.00	\$18.00	\$28.00	\$20.00			
1a	Temporary Facilities										
	Sanitary										
	Waste Hauling					4		2	\$112.00		\$200.00
	Subtotal Div 1a					4		2	\$112.00		\$200.00
1b	General Conditions										
	Submittals			4				2	\$180.00		
	Construction PM	8				4		2	\$592.00		
	General PM	8						4	\$560.00		
	Meetings	2							\$120.00		
	Scheduling			4					\$140.00		
	Startup										
	Safety Gear & Inspection										
	Subtotal Div 1b	18		8		4		8	\$1,592.00		
5	Miscellaneous Metals/Supp/Fatnrs										
	Drip Pan									\$810.00	
	Shroud									\$9,360.00	
	Subtotal Div 5								\$ -	\$ 10,170.00	\$ -
9	Finishes										
	Concrete Containment										
	Piping/Equipment										
	Labels/Signage										
	Subtotal Div 9										
15	Mechanical										
	Install Drip Pan	4		30	30				\$2,010.00	\$250.00	
	Install Shroud		8						\$320.00		
	Equipment Rental (Man Lift)			2				1	\$90.00		\$600.00
	Tools/Consumables									\$400.00	
	Subtotal Div 15	4	8	32	30			1	\$2,420.00	\$650.00	\$600.00
	SUBTOTALS:								\$4,124.00	\$10,820.00	\$800.00
	Labor @ Markup (1.36x1.084x1.15)								\$6,991.83		
	Materials @ Markup (1.15)									\$12,443.00	
	Subcontract Services @ Markup (1.1)										\$880.00
	PROJECT CONSTRUCTION SUBTOTAL										\$20,314.83
	PROJECT TOTAL:										\$20,315.00



1860 Old okeechobee Rd Suite 501
West Palm Beach Fl 33409
Tel:561-684-4959 Fax 561-684-4969
CGC1515051

Date 9/20/2010

PROPOSAL 1004

plans dated Sept 2010

CDM Construction

Walls at WTP # 2

Item	Description	Total
43 Privacy Wall	Privacy Wall at 2 location Footer/masonry/beam	5,845.00
40 Item Total	Stucco both sides regular finish	1,425.00
40 Item Total	Paint both sides-primer/with 2 coats	1,500.00

Estimate valid for 30 days

Total \$8,770.00

Signature _____

Date

www.proshellconstruction.com



1860 Old okeechobee Rd Suite 501
West Palm Beach Fl 33409
Tel:561-684-4959 Fax 561-684-4969
CGC1515051

Date 9/21/2010

PROPOSAL 1009

plans dated Sept 2010

CDM Construction

County CROC Facility
8100 Forest Hill Blvd

Item	Description	Total
43 Privacy Wall	Privacy Wall 26' x 15' Footer/masonry/beam Stucco both sides Paint both sides-primer/with 2 coats	9,360.00

Estimate valid for 30 days

Total \$9,360.00

Signature _____

Date

www.proshellconstruction.com

EXHIBIT B

AUTHORIZATION STATUS REPORT

WORK AUTHORIZATION NO. 4

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

AUTH NO.	DESCRIPTION	STATUS	PROJECT TOTAL AMOUNT	DATE APPROVED	WUD NO. ASSIGNED
WORK AUTHORIZATIONS					
1	Customer Service Building Hurricane Hardening	Approved	\$ 160,757.00	7/28/2010	10-055
2	Water Treatment Plant #9 Hurricane Hardening	Approved	\$ 199,941.00	9/22/2010	10-057
3	Water Treatment Plant #2 Hurricane Hardening	Approved	\$ 198,442.00	9/29/2010	10-056
4	Hurricane Hardening of WTP 2, WTP 9 and CROC	Pending	\$ 169,754.00		10-058
TOTALS			\$ 728,894.00		

EXHIBIT C

AUTHORIZATION STATUS REPORT

AUTHORIZATION NO. 4

SUMMARY OF SBE TRACKING SYSTEM

	TOTAL	SBE
<u>Current Proposal</u>		
Value of Work Authorization No. 4	\$ 169,754	
Value of SBE Letters of Intent	\$ 102,210	\$ 102,210
Actual Percentage	60.21%	
<u>Signed Authorizations</u>		
Authorization No. 1	160,757	91,903
Authorization No. 2	199,941	96,105
Authorization No. 3	198,442	87,151
Total Value of Signed Authorizations	559,140	275,159
Total Value of SBE Letters of Intent	\$ 275,159	
Actual Percentage	49.21%	
<u>Signed Authorizations Plus Current Proposal</u>	\$728,894	
Total Value of Authorizations	\$ 728,894	
Total Value of Subcontracts & Letters of Intent	\$ 377,369	
Actual Percentage	51.77%	
CDM SBE PARTICIPATION GOAL	31.00%	
GOAL	15.00%	