

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

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Meeting Date: June 21, 2011 Consent Regular
Public Hearing
Submitted By: Water Utilities Department
Submitted For: Water Utilities Department
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I. EXECUTIVE BRIEF

Motion and title: Staff recommends motion to approve: Consultant Service Authorization No. 3 to the Water Utilities Department Disaster Recovery Services Design/Build Contract with CDM Constructors, Inc. (R2010-0909) for providing final design and permitting services related to the Central Monitoring Facility (CMF) in the amount of \$120,646.

Summary: On June 8, 2010, the Board of County Commissioners approved the Contract for Water Utilities Department Disaster Recovery Design/Build Services with CDM Constructors, Inc. (R2010-0909). In hurricanes of Category 3 or above, WUD's internal communication system and enterprise computer systems, including the SCADA system, are vulnerable to being damaged or destroyed, making operations difficult if not impossible. This Consultant Service Authorization will provide design and permitting services for a Central Monitoring Facility (CMF) designed to resist hurricanes Category 3 or above. The Utilities Communication Dispatchers will be moved from the Customer Service Center to the CMF which will be located at the Utilities Central Regional Operation Center. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with CDM Constructors, Inc. provides for SBE participation of 31.00% overall. This authorization includes 1.62% overall participation. The cumulative SBE participation, including this work authorization, is 45.74% overall. CDM Constructors, Inc. is a local Palm Beach County Company (WUD Project No. WUD 11-008) District 6 (JM).

Background and Justification: Consultant Service Authorization No. 3 will provide final design services for the CMF. The CMF will be a secure facility with communication and computer system capabilities, and will be accessible to County staff prior, during, and after a disaster. The CMF will supplement the existing communications available from EOC. The facility will consist of a central communications control room, integrated computer applications, and space for County staff to monitor, optimize, and respond to situations throughout the county water, wastewater, and reclaimed water systems on a 24/7 basis during a disaster event emergency.

Attachments:

1. Location Map
2. Two (2) Original Consultant Service Authorization No. 3

Recommended By: Ben Brown 5/28/2011
Department Director Date
Approved By: Sharon Q. Dyer 6/9/11
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>\$120,646.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Expenditures	<u>0</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>\$120,646.00</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 No

Reporting Category N/A

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

One (1) time capital expenditure from the user fees and balance brought forward.

C. Department Fiscal Review: *Suamrest*

III. REVIEW COMMENTS

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

[Signature] 6/1/11
OFMB
6/1/11

[Signature] 6/13/11
Contract and Development Control
6/13/11

B. Legal Sufficiency:

[Signature] 6/7/11
Assistant County Attorney

This item complies with current County policies.

C. Other Department Review:

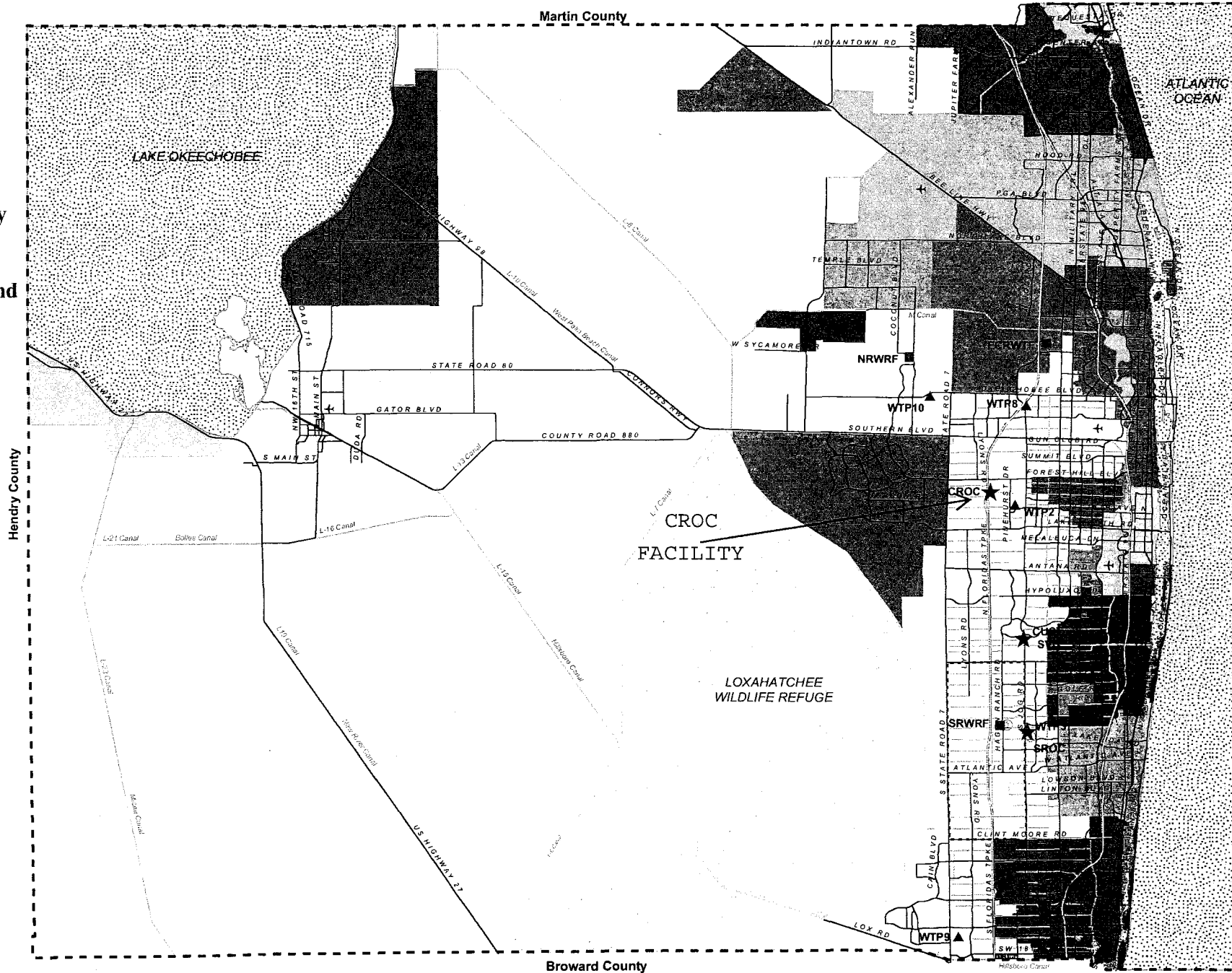
Department Director

LOCATION MAP

Central Monitoring Facility - Final Design and Permitting Services



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



Legend

- Legend items: 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

CONSULTANT SERVICES AUTHORIZATION NO. 3

Project No. WUD 11-008
Central Monitoring Facility - Final Design

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

Project Title: Central Monitoring Facility - Final Design

District No.: 6

THIS CONSULTANTS SERVICES AUTHORIZATION #3 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 1.62% overall participation. The cumulative SBE participation, including this authorization is 45.74% overall, to date. Additional authorization 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:

Design 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 \$120,646.
7. This Consultant Services 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.

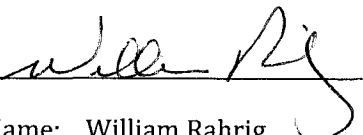
PROJECT NO. WUD 11-008 – Central Monitoring Facility - Final Design


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


IN WITNESS WHEREOF, this 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: 
Typed Name: William Rahrig
Title: Project Manager
Date: 5/12/11

Signed: 
Typed Name: Karen T. Marcus, CHAIR

ATTEST:
Signed: 

ATTEST:
Sharon R. Bock, Clerk & Comptroller

(Deputy Clerk)

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

(County Attorney)

EXHIBIT A

CONSULTANT SERVICES AUTHORIZATION NO. 3

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT
DESIGN BUILD SERVICES

**SCOPE OF WORK
FOR
CENTRAL MONITORING FACILITY - FINAL DESIGN AND PERMITTING SERVICES**

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) during and after storms. This Consultant Services Authorization will be performed under that CONTRACT. This Consultant Services Authorization encompasses providing final design and permitting services related to the Central Monitoring Facility (CMF) located at the Central Regional Operations Center (CROC).

BACKGROUND

Design/Build Entity has contracted with COUNTY to provide Design/Build services during and after storms. This Consultant Services Authorization will provide final design services for the CMF. The CMF will be a secure facility, with communications and computer system capabilities, and will be accessible to COUNTY staff prior, during, and after a disaster event. The facility will consist of a central communications control room, integrated computer applications, and space for COUNTY staff to monitor, optimize, and respond to situations throughout the COUNTY water, wastewater, and reclaimed water systems on a 24/7 basis during a disaster event emergency.

The County has previously contracted with Design/Build Entity to provide a preliminary design of the CMF. The preliminary design phase included conceptual design of three options. The COUNTY requested CDM to proceed with the final design of Option 2 (a building addition to the southeast side of the existing CROC Administration Building). See **Exhibit A-1** for CMF Option 2 building addition layout. The following scope of services details the effort to permit and complete the CMF final design with reviews at the design development phase (60-percent level) and contract document preparation phase (90-percent level).

SCOPE OF SERVICES

It is the desire of the County to develop final design documents for Option 2 of the CMF Project. Option 2 is an approximately 2,700 square foot new building addition to the southeast side of the existing CROC building. The new addition includes a communications room, communications office, command center, server room, small breakroom, toilet rooms, and accessory HVAC, electrical, gas fire suppression system and UPS rooms. The addition will be designed to withstand 155 MPH wind loads in accordance with ASCE 7-10.

DESCRIPTION OF SERVICES

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

TASK 1	Kickoff Meeting
TASK 2	Progress Meetings
TASK 3	Investigations and Survey
TASK 4	Final Design
TASK 5	Permitting

This scope of work does not include services during bidding.

Task 1.0 - Kickoff Meeting

The Design/Build Entity will schedule and facilitate a kick-off meeting with COUNTY staff to review the spatial design parameters which generated the selected Option 2 building layout, audio/visual design parameters and to further refine the County's operational needs, which will drive the final design. The following specific issues will be addressed:

1. Finalization of Option 2 conceptual floor plan and spatial relationships
2. Identification of survey and geotechnical needs required for the final design
3. Site plan approval requirements
4. Construction access
5. Audio/Visual equipment requirements
6. Furniture preferences and requirements
7. Security/ SCADA System

The Design/Build Entity will develop and distribute minutes for the meeting. These minutes will memorialize any design decisions discussed during the meeting.

Task 2.0 - Progress Meetings

In addition to the Kickoff Meeting in Task 1, the Design/Build Entity will schedule and facilitate two progress meetings with the COUNTY to review the Design/Build Entity's design development of the CMF. The meetings will take place following the COUNTY's review of the 60-percent (Design Development) and 90-percent (Contract Document Preparation) design document submittal. The purpose of the meetings is to allow for design input at key decision points from the COUNTY. These meetings will assist the Design/Build Entity and the COUNTY in maintaining the scope as the design develops.

The Design/Build Entity will develop and distribute minutes for the meeting to all attendees. These minutes will memorialize any design decisions discussed during the meeting.

Task 3.0 - Investigations and Survey

Subtask 3.1 Geotechnical Investigations - The Design/Build Entity will provide the following services related to geotechnical (soil) investigations through a subcontractor:

- Review any previous geotechnical investigations, provided by the COUNTY, at the CROC site. Perform additional subsurface explorations at the CROC site necessary for the development

of design criteria for the new facility extension. A maximum of 3 borings at depths ranging from 10 to 15 feet have been assumed;

- Perform standard penetration tests and split-spoon sampling within the borings at regular intervals;
- Perform classification tests of selected samplings obtained from the borings;
- Visually classify soil samples in general accordance with the United Soil Classification System and prepare Test Boring Records;
- Recommend site preparation and foundation requirements.

Existing soil borings shall be shown on the site plans and provided in a soils report. The Design/Build Entity will recommend additional soil borings if the existing borings do not provide adequate coverage for proper soil design. The Design/Build Entity will review the soil borings and note any unsuitable conditions requiring remediation.

Subtask 3.2 Tree Survey – In accordance with the COUNTY's ordinances, the Design/Build Entity will conduct a tree survey (with tags) of the affected area (building footprint, construction access, staging, and corridor). The tree survey will identify and flag trees within the anticipated construction area and access route to be subsequently located as part of the Specific Purpose Survey below. Trees within the affected area, if any, will be tagged and measured for mitigation but not included as part of the Specific Purpose Survey. The Design/Build Entity will coordinate with the COUNTY (Department of Environmental Resources Management and the Water Utilities Department) to determine which trees will be removed and mitigated or preserved and surveyed in place as well as meeting the specific requirements of the vegetation permit. The Design/Build Entity will provide a tree measurement table with required tree removal/mitigation and/or preservation quantities.

Subtask 3.3 Specific Purpose and Topographic Survey – The Design/Build Entity will conduct a specific purpose and topographic survey of the project limits (defined as 50-ft surrounding the proposed building outline) through a subcontractor and will obtain the following information to be included on a base map as part of the design:

- Review previous topographic and boundary mapping, provided by the COUNTY, of the CROC site;
- Obtain topographic data within the project limits which includes existing structures, roadways, visible utilities and storm drains (including invert elevation), and any other visible surface features;
- Obtain topographic data within a 25-ft wide corridor for the anticipated locations of the water line and sewer line locations;
- Stake and grade building footprint for the new addition and stake limits of the affected area (project limits);
- Obtain existing building elevations for tie-in location including first floor elevation, overhang, roof line, and low opening elevations;
- Clarify and plot existing boundary and easement information obtained from a search of the public records (a boundary survey will not be performed as part of this scope of work);
- Locate and identify trees tagged (approximately 20 trees) as part of Subtask 3.2;
- Provide two site benchmarks suitable for construction purposes; and
- Provide a signed and sealed set of a specific purpose survey and an AUTOCAD file containing the results of the field survey and existing boundary and easement information.

The Design/Build Entity will create an engineering design base map (geometric control plan) including right-of-ways, easements, and plats. Data will be compiled from COUNTY and public recorded plats and field located property corners.

Task 4.0 - Final Design

This task provides for the preparation of drawings and specifications; conducting formal reviews of the contract documents at certain completion levels, and developing an opinion of probable construction cost. The Design/Build Entity will prepare final construction drawings and specifications suitable for inviting construction bids for the project. Front-end (Division 0) contract documents shall be prepared by the COUNTY for use by the Design/Build Entity. The Design/Build Entity recognizes that the COUNTY has developed a list of typical contents for the design development phase (60 percent) and a contract document preparation phase (90 percent) submittal packages. Drawings list is included.

The following items were assumed in developing the design effort for this scope of work:

- County will prepare any required landscape plan.
- There is adequate water pressure and flow available for fire protection and a fire pump is not required.
- The existing inert gas system will be relocated from the existing computer server room to the new computer server room. The existing pre-action sprinkler system will remain in place in the existing computer server room. No modifications will be provided to the pre-action system, with the exception of control/activation due to the removal of the clean agent system from this area.
- The separate 10-ton HVAC in the existing server room will be relocated to the new computer server room. Design for modifying the HVAC building system for the existing computer server/UPS/telephone rooms is not included.
- A standalone HVAC system will be provided for the new CMF. The new system will not be tied into the existing chilled water system.

At approximately the 60- and 90-percent completion levels of the contract documents, the Design/Build Entity will submit five sets of progress drafts of the contract documents to COUNTY staff for review; schedule and conduct a review meeting with COUNTY staff; and address appropriate COUNTY review comments.

The Design/Build Entity will prepare an opinion of probable construction cost at the 90-percent completion level. The final estimate of probable construction cost will be delivered to COUNTY staff with the final contract documents.

Subtask 4.1 Design Development (60-percent) – As per the COUNTY design manual, the Design Development phase (60-percent) submittal should include the following:

- General notes, abbreviations etc. on drawings
- Equipment list, site/civil, and site utility plans
- Preliminary electrical one-lines
- Building floor plans/ elevations/ major sections
- Updated construction quantity estimate
- First draft of specifications
- Drawing list for construction documents

- Documentation of all workshops and major decisions
- Checked calculations
- Acceptable site location map

In addition, the Design Development phase of the CMF will address the COUNTY's comments from Task 1, and will include the following 60-percent complete documents:

- Partial Site Plan, including site constraints based on legal, master plan, environmental and regulatory restrictions and conceptual layout for new building addition, preliminary grading, and utility connections
- Preliminary civil and plumbing drawings showing a separate water line into the new mechanical room to service the plumbing fixtures for the hardened building expansion. Preliminary civil and plumbing drawings showing a separate tie-in for the sanitary system into a sanitary main (or manhole) outside the building (to avoid cutting the existing floor slab).
- Preliminary structural plans
- Mechanical/Plumbing equipment locations
- Specification detailing audio/visual (A/V) equipment

The following list presents the drawings anticipated for the entire project. The Design/Build Entity has included an asterisk (*) for the drawings that will likely be generated for the 60-percent design submittal.

GENERAL	
G-1*	TITLE SHEET WITH LOCATION MAP
G-2*	INDEX SHEET
G-3*	ABBREVIATIONS, LEGEND AND NOTES
G-4*	CONTRACTOR STAGING AREA
CIVIL/SITE	
C-1*	EXISTING SITE PLAN AND BORING LOCATIONS
C-2*	OVERALL PROJECT SITE PLAN
C-3*	GRADING AND DRAINAGE PLAN
C-4*	SMALL YARD PIPING PLAN
C-5*	EROSION CONTROL PLAN
C-6	SITE PLAN – EXHIBIT A (BUILDING DEPARTMENT)
CD-1	DETAILS
CD-2	DETAILS
CD-3	DETAILS
ARCHITECTURAL	
A-1	SHEET INDEX, ABBREVIATIONS, SYMBOLS AND BUILDING CODE ANALYSIS
A-2*	CMF FLOOR PLAN AND ROOF PLAN
A-3*	CMF EXTERIOR ELEVATIONS AND SECTIONS
A-4*	FURNITURE AND A/V EQUIPMENT LAYOUT AND DETAILS
A-5	CMF SCHEDULE AND DETAILS
STRUCTURAL	
S-1	STRUCTURAL NOTES AND DETAILS
S-2*	CMF FLOOR AND ROOF PLANS

S-3*	CMF ELEVATIONS AND DETAILS
SD-1	DETAILS
ELECTRICAL	
E-1	ELECTRICAL LEGEND, NOTES, LOAD SCHEDULE AND RISER DIAGRAMS
E-2*	CMF POWER AND LIGHTING PLANS
E-3*	PANEL AND FIXTURE SCHEDULES, DETAILS AND SECTIONS
FIRE PROTECTION	
F-1	FIRE PROTECTION SYMBOLS, ABBREVIATIONS, AND DETAILS
F-2*	CROC BUILDING NO. 10 FIRST FLOOR FIRE PROTECTION PLAN
F-3*	CROC BUILDING NO. 10 SECOND FLOOR FIRE PROTECTION PLAN
F-4*	CMF FIRE PROTECTION PLAN
HVAC	
H-1	HVAC SYMBOLS AND ABBREVIATIONS
H-2*	CMF HVAC PLANS
HD-1	CMF HVAC SCHEDULES AND DETAILS
PLUMBING	
P-1	PLUMBING SYMBOLS AND ABBREVIATIONS
P-2*	CMF PLUMBING PLANS
P-3	PLUMBING DETAILS AND RISER DIAGRAMS

The Design/Build Entity will submit five hard copies and one electronic copy of this submittal to the COUNTY for review.

Subtask 4.2 Contract Document Preparation (90-percent and final design) – The drawing list identified in Subtask 4.1 presents the drawings anticipated for the entire project. The Contract Document Preparation phase of the CMF will address the COUNTY’s comments from subtask 4.1, and will include the following 90-percent complete documents:

- Partial Civil Site Plan, and specifications
- Building floor plan, elevations, sections, details and specifications
- Structural plans, sections, details and specifications
- Electrical drawings and specifications
- Mechanical/Plumbing drawings, details and specifications
- Fire Protection drawing and performance specification

As per the COUNTY design manual, the Contract Document Preparation phase (90-percent and final design) submittal should include the following:

- QC/County review documents (90-percent)
- Permitting documents (90-percent)
- Final contract documents/ Final design (100-percent)
- Construction cost estimating (100-percent)

The Design/Build Entity will submit five hard copies and one electronic copy of the 90-percent submittal to the COUNTY for review.

The Design/Build Entity will incorporate the COUNTY's comments and provide the COUNTY with the final contract documents including an electronic copy of the AutoCAD and PDF plot files used by the Design/Build Entity to develop the final contract documents. The hard copy of the contract documents containing the Design/Build Entity's professional engineering stamp shall take precedence over the AutoCAD files.

Task 5.0 - Permitting

The Design/Build Entity will prepare applications for permits as may be required and related to this Contract. Permit-related work shall include furnishing required data, drawings, and other information requested and assisting the COUNTY in obtaining required permit approvals. The Design/Build Entity will submit permit applications to the COUNTY for review and meet with the COUNTY as required to discuss the COUNTY's review comments. The Design/Build Entity will revise the applications as required and submit to appropriate regulatory agencies for review and approval. The permits to be obtained could include the following permits:

- The Design/Build Entity will provide the final contract drawings to the COUNTY building department.
- The COUNTY will submit the application and required site plan modifications.
- The vegetation permit will be applied for by the COUNTY. The Design/Build Entity will provide the tree survey (with tags) of the affected area as referenced in Subtask 3.2.
- The Design/Build Entity will submit the application with required drawings for the SFWMD and LWDD drainage permit(s). Anticipated modifications including installation of a new catch basin south of conference room 138 and installation of a swale to transfer storm water flow west to east around the CMF.

EXHIBIT A-1: Conceptual Floor Plan CEMCC Option 2

COMPENSATION

Compensation for Construction Service Work Authorization No. 3 (CSA No. 3) will be a lump sum amount of **\$120,646**. **Attachment A** provides the cost break down and the fee.

SCHEDULE

The scheduled Completion Date for the scope of work associated with CSA No. 3 is 135 calendar days from receipt of executed authorization. See **Attachment B**.

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 No. 1 defines the SBE participation. Schedule No. 2 has been executed by the SBE subcontractor.

COUNTY'S OBLIGATIONS

COUNTY shall provide the following to the Design/Build Entity in a timely manner:

- Available geotechnical and/or topographical surveys not currently in the Design/Build Entity's possession;

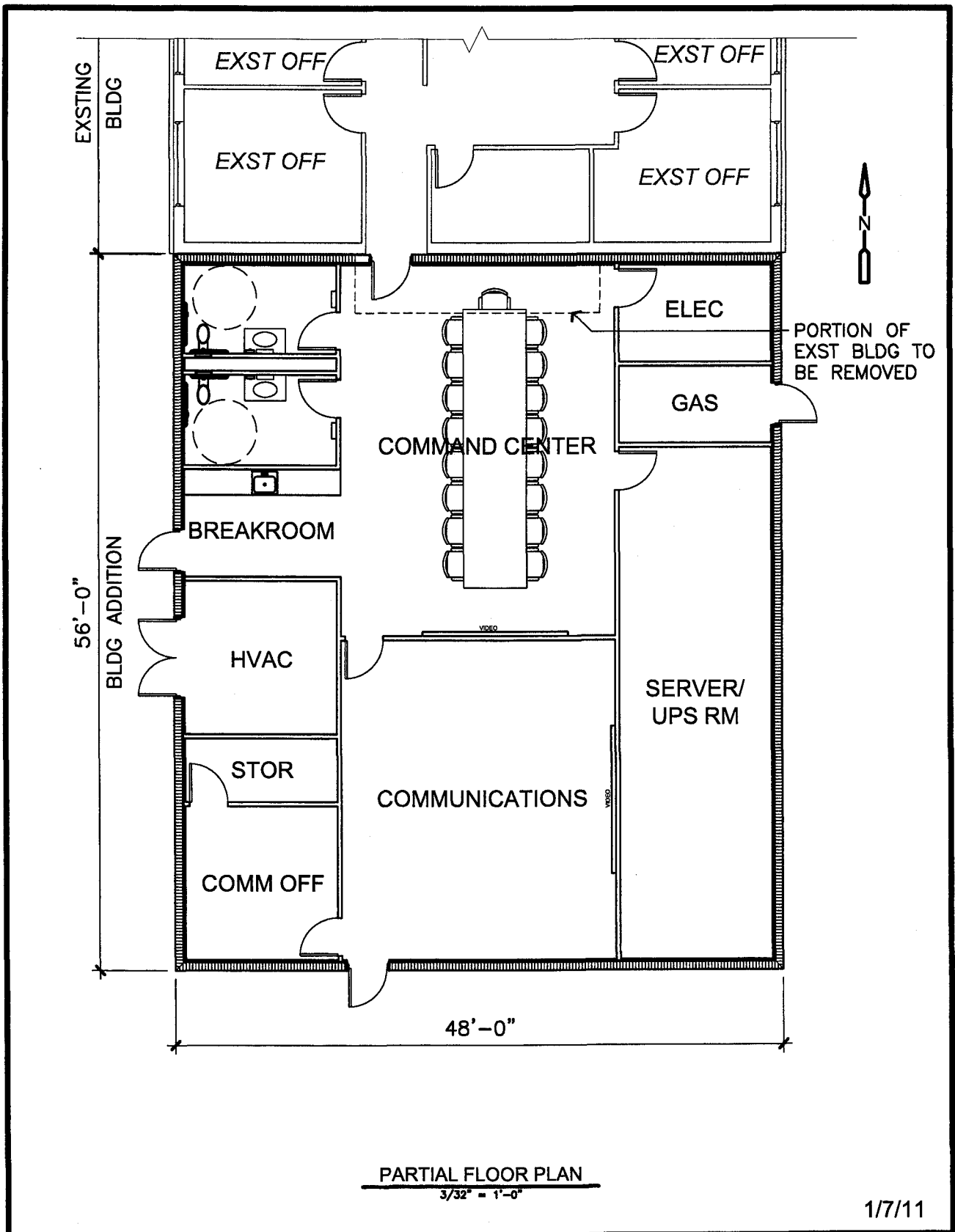
- Prepare, apply and provide fees for permits;
- Site plan application, approval and modifications;
- Review of Design/Build Entity's work products;
- Standard front-end (Division 0) contract documents; and
- Landscape plan.

ATTACHMENT - A Budget Summary

ATTACHMENT - B Project Schedule

ATTACHMENT - C SBE Schedules- 1 & 2

ATTACHMENT - D Location Map



consulting • engineering • construction • operations

Figure No. 6
PBC Emergency Monitoring and Communications
Option 2 (Building Addition)

ATTACHMENT A

**Central Monitoring Facility - Final Design and Permitting Services
Consultant Services Authorization No. 3**

Items	Hourly Rate	Task 1.0	Task 2.0	Task 3.1	Task 3.2	Task 3.3	Task 4.1	Task 4.2	Task 5.0	Total Hours	Total Cost
Officer	\$215.00	4	4	0	0	0	12	8	2	30	\$ 6,450
Principal/ Associate	\$190.00	4	6	2	2	2	24	16	4	60	\$ 11,400
Senior Professional	\$140.00	8	12	4	16	4	92	60	20	216	\$ 30,240
Prof II	\$125.00	2	4	0	0	6	178	82	10	282	\$ 35,250
Senior Support Services	\$105.00	0	0	0	0	0	16	12	0	28	\$ 2,940
Staff Support Services	\$90.00	0	0	0	0	0	112	82	0	194	\$ 17,460
Project Administrator	\$90.00	6	10	2	4	2	44	16	4	88	\$ 7,920
Total Labor Hours		24	36	8	22	14	478	276	40	898	
Total Labor Dollars											\$ 111,660
Subconsultant (Testing Lab of the Palm Beaches)				\$1,960							\$ 1,960
Subconsultant (Erdman Anthony)						\$4,800					\$ 4,800
Subconsultant Markup (10%)											\$ 676
Other Direct Costs		\$100	\$150				\$350	\$750	\$200		\$ 1,550
TOTAL FEE											\$ 120,646

ATTACHMENT B

PROJECT SCHEDULE

CONSULTANT SERVICES AUTHORIZATION NO. 3

WUD 11-008

Task No.	Description	Task Duration
Task 1	Kickoff Workshop	14 days from Notice to Proceed (NTP)
Task 2	Progress Meeting	At completion of 60% and 90% review
Task 3	Investigations and Survey	30 days from NTP
Task 4.1	Design Development (60%)	45 days from NTP
	County Review	14 days from 60% submittal delivery
Task 4.2	Contract Document Preparation (90%)	90 days from NTP
	County Review	14 days from 90% submittal delivery
	Contract Document Preparation (final)	120 days from NTP
Task 5	Permitting	135 days from NTP

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE SUBCONSULTANTS

PROJECT NAME: Central Monitoring Facility – Final Design and Permitting Services (CSA #3) PROJECT NO. WUD 11-008

NAME OF PRIME CONSULTANT: CDM Constructors Inc.

DESCRIPTION OF WORK: Final design and permitting services related to the Central Monitoring Facility (CMF) located at the Central Regional Operations Center (CROC).

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)	
1. Testing Lab of the Palm Beaches, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$ 1,960	\$	
2.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$	
3.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$	
4.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$	
5.	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$	
(Please use additional sheets if necessary)			Total	\$	\$	\$	\$ 1,960	\$

Total Price \$ 120,646 Total SBE Participation \$ 1,960 SBE % 1.6

- 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. _____ PROJECT NAME: Central Monitoring Facility – Final Design and Permitting Services

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: 09-24-2010

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):

Provide geotechnical investigations including soil borings, standard penetration tests and split-spoon sampling, classification of samplings, visual classification in accordance with the Unified Soil Classification System, and preparation of Test Boring Records.

at the following price \$ 1,960
(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.

Testing Lab of the Palm Beaches, Inc.
(Print name of SBE-M/WBE Subconsultant)

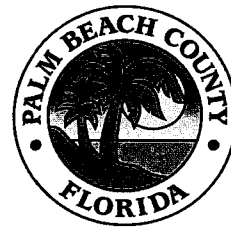
By: Laurie A. Rogers, V.P.
(Signature)

Laurie A. Rogers, V.P.
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: April 29, 2011

ATTACHMENT D - LOCATION MAP

Central Monitoring Facility - Final Design and Permitting Services



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
- ☉ Wetlands



NOT TO SCALE

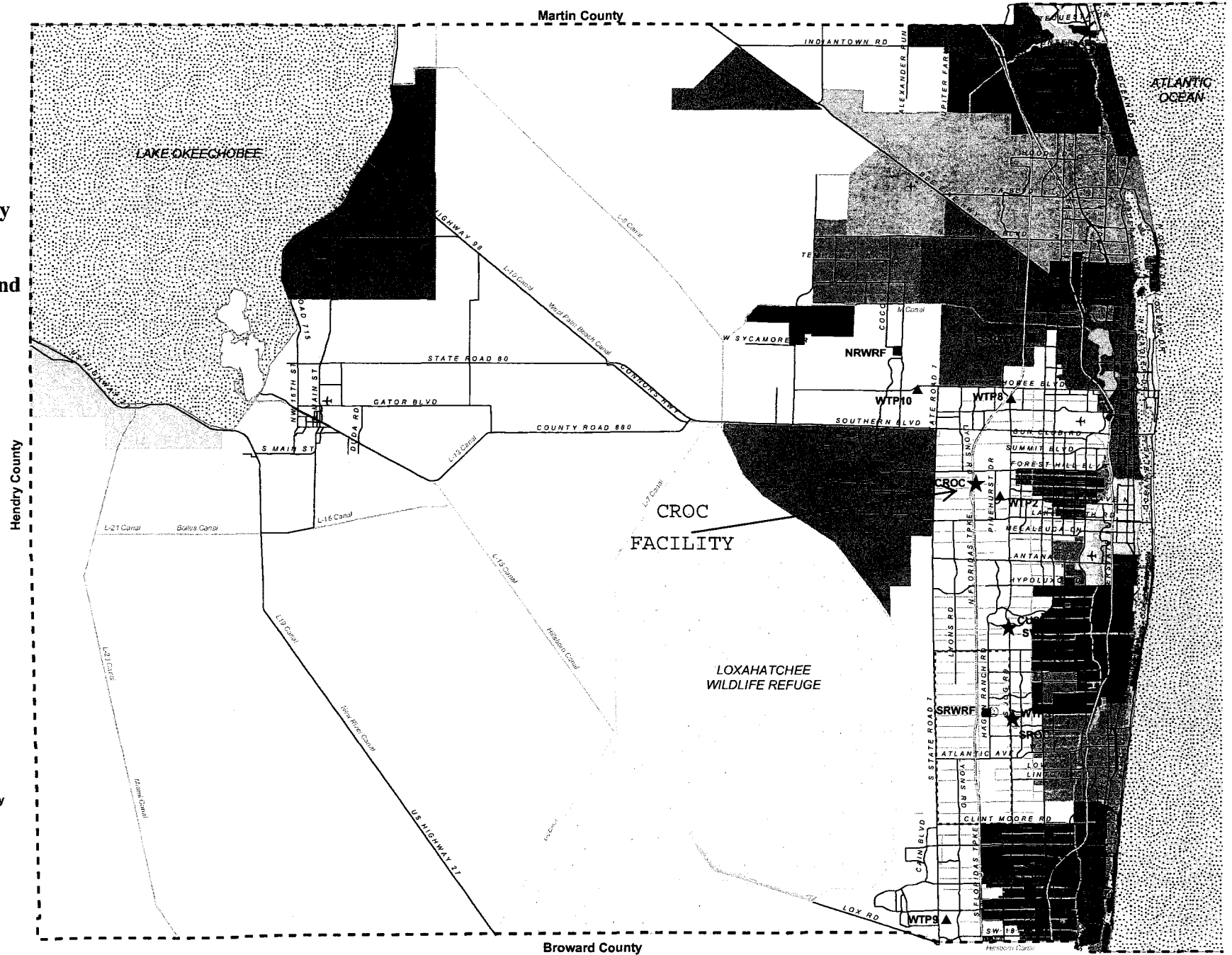


EXHIBIT B

AUTHORIZATION STATUS REPORT

CONSULTANT SERVICES AUTHORIZATION NO. 3

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	Approved	\$ 169,754.00	11/16/2010	10-058
5	Customer Service Building Security Glass	Approved	\$ 62,215.00	1/4/2011	11-046
6	Water Treatment Plant #8 Hurricane Hardening	Pending	\$ 77,320.00		
CONSULTANT SERVICES AUTHORIZATIONS					
1	Alternate Emergency Operations Center to Central Control Room - Alternate EOC	Approved	\$ 39,930.00	10/14/2010	11-008
2	SRWRF Digester Biogas Renewable Energy Generator Project - Design Development	Approved	\$ 99,850.00	2/16/2011	09-030
3	Central Monitoring Facility - Final Design	Pending	\$ 120,646.00		
TOTALS			\$ 1,128,855.00		

EXHIBIT C

AUTHORIZATION STATUS REPORT

CONSULTANT SERVICES AUTHORIZATION NO. 3

SUMMARY OF SBE TRACKING SYSTEM

	TOTAL	SBE
<u>Current Proposal</u>		
Value of Consultant Services Authorization	\$ 120,646	
Value of Work Authorization	\$ -	
Value of Consultant Services & Work Authorizations	\$ 120,646	
Value of SBE Letters of Intent	\$ 1,960	\$ 1,960
Actual Percentage	1.62%	1.62%
<u>Signed/ Approved Authorizations</u>		
Work Authorization No. 1	\$ 160,757	\$ 91,903
Work Authorization No. 2	\$ 199,941	\$ 96,105
Work Authorization No. 3	\$ 198,442	\$ 87,151
Work Authorization No. 4	\$ 169,754	\$ 102,210
Work Authorization No. 5	\$ 62,215	\$ 41,728
Total Value of Signed Work Authorizations	\$ 791,109	\$ 419,097
Consultant Services Authorization No. 1	\$ 39,930	\$ -
Consultant Services Authorization No. 2	\$ 99,850	\$ 60,000
Total Value of Signed Consultant Services Authorizations	\$ 139,780	60,000
Value of Consultant Service & Work Authorizations	\$ 930,889	
Total Value of SBE Letters of Intent	\$ 479,097	\$ 479,097
Actual Percentage	51.46%	51.46%
<u>Signed Authorizations Plus Current Proposal</u>		
Total Value of Work Authorizations	\$ 791,109	
Total Value of Consultant Services Authorizations	\$ 260,426	
Total Value of Consultant Services & Work Authorizations	\$ 1,051,535	
Total Value of Subcontracts & Letters of Intent	\$ 481,057	\$ 481,057
Actual Percentage	45.74%	45.74%
CDM SBE PARTICIPATION GOAL	31.00%	
GOAL	15.00%	