

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

=====
Meeting Date: June 19, 2007 Consent [X] 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: Change Order No. 1 to the Contract with The Crom Corporation (R2006-1458) for the Water Treatment Plant No. 3, 8 and Lake Region Ground Storage Tank Additions increasing the contract price by \$132,404.44 .

Summary: Change Order No. 1 authorizes the Contractor to perform various structural, civil and mechanical improvements for this project and to resolve conflicts with the proposed new facilities. The enhancements include the cleanout, structural inspection and improvements to existing screens, vents, manholes and baffles at two ground storage tanks at Water Plant No.2. Included in this change order are credits in the amount of \$43,916 for an approved substitution to make pipe connections to the new tanks and the deletion of a redundant 30-inch valve. This change order represents a total increase to the contract of 2.37%. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15.0% overall. This change order includes 75.84% overall SBE participation. The contractor's cumulative SBE participation, including this change order is 18.89% overall.

(WUD Project No. 06-025)

Districts 2,5 &6

(JM)

Background and Justification: The County has been expanding its utility infrastructure to provide water and wastewater service to the Northern Region including the Beeline Community Development District, Seminole Improvement District and Seacoast Utility Authority as well as the Lake Region Cities of South Bay, Pahokee and Belle Glade. This project increases potable water storage capacity by 13 million gallons and allows the County to keep pace with increased water demand and to provide additional fire flow capacity. On August 15, 2006, the Board approved the construction contract with The Crom Corporation. (R2006-1458). This change order will authorize system enhancements and the relocation or removal of existing facilities which are in conflict with the proposed improvements.

Attachments:

- 1. Location Map
- 2. Two (2) Original Change Order No. 1

Recommended By: *Lisha R. Pua* 05/22/07
Department Director Date

Approved By: *Sharon J. Lopez*
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2007	2008	2009	2010	2011
Capital Expenditures	<u>\$132,404.44</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>\$132,404.44</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 Nos.:

Fund	<u>4011</u>	Dept	<u>721</u>	Unit	<u>W006</u>	Object	<u>6541</u>	<u>\$139,132.44</u>
Fund	<u>4011</u>	Dept	<u>721</u>	Unit	<u>W026</u>	Object	<u>6541</u>	<u>(\$ 6,728.00) (Credit)</u>

Is Item Included in Current Budget? Yes No

Reporting Category N/A


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

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

C. Department Fiscal Review: *Steve Eggert*

III. REVIEW COMMENTS

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

 John DeL 5-29-07
 OFMB
AKW 5-25-07

5/24/07

 John J. Jacobson 5/29/07
 Contract Development and Control
5/29/07

B. Legal Sufficiency:

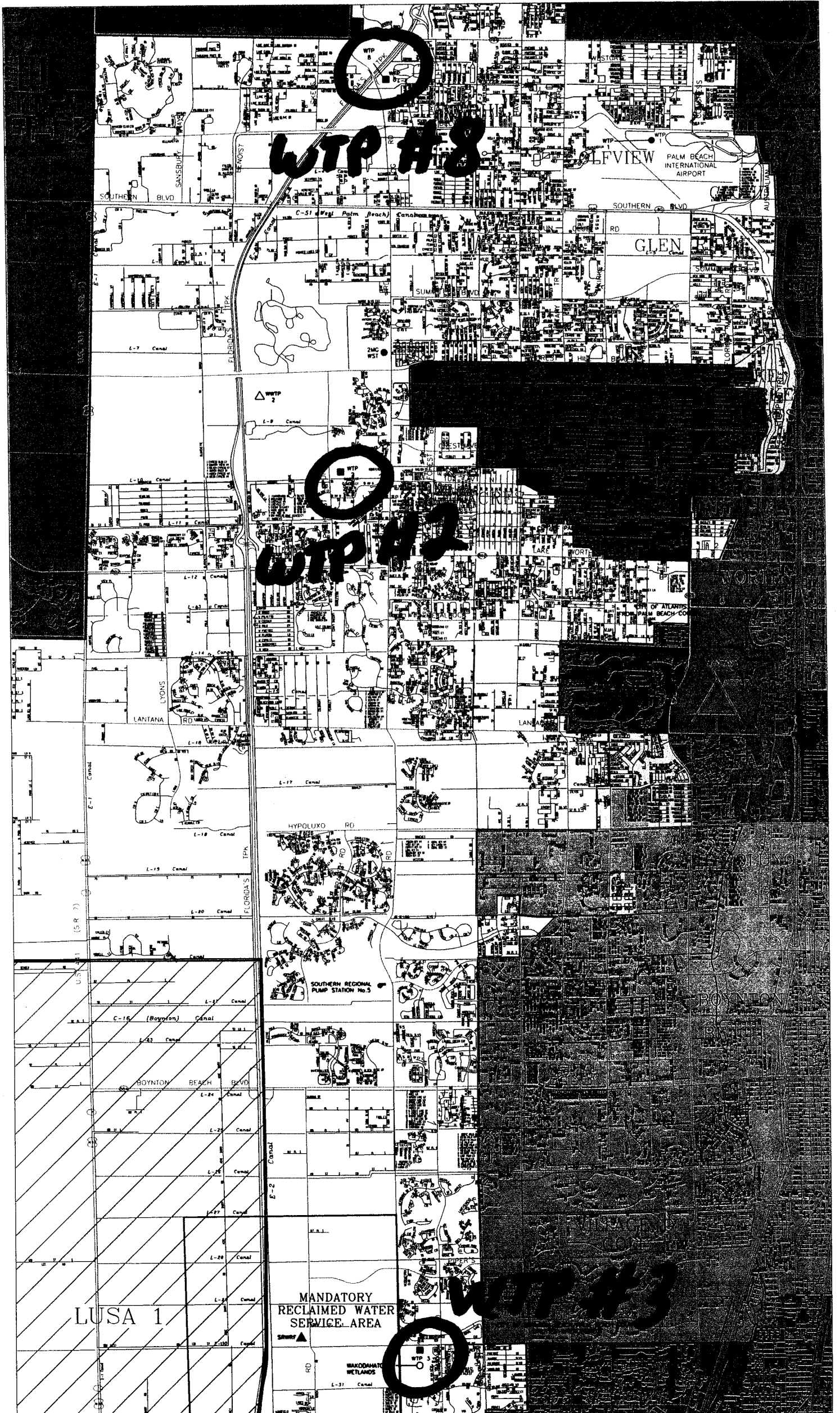
 James C. Murphy 5/29/07
 Assistant County Attorney

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

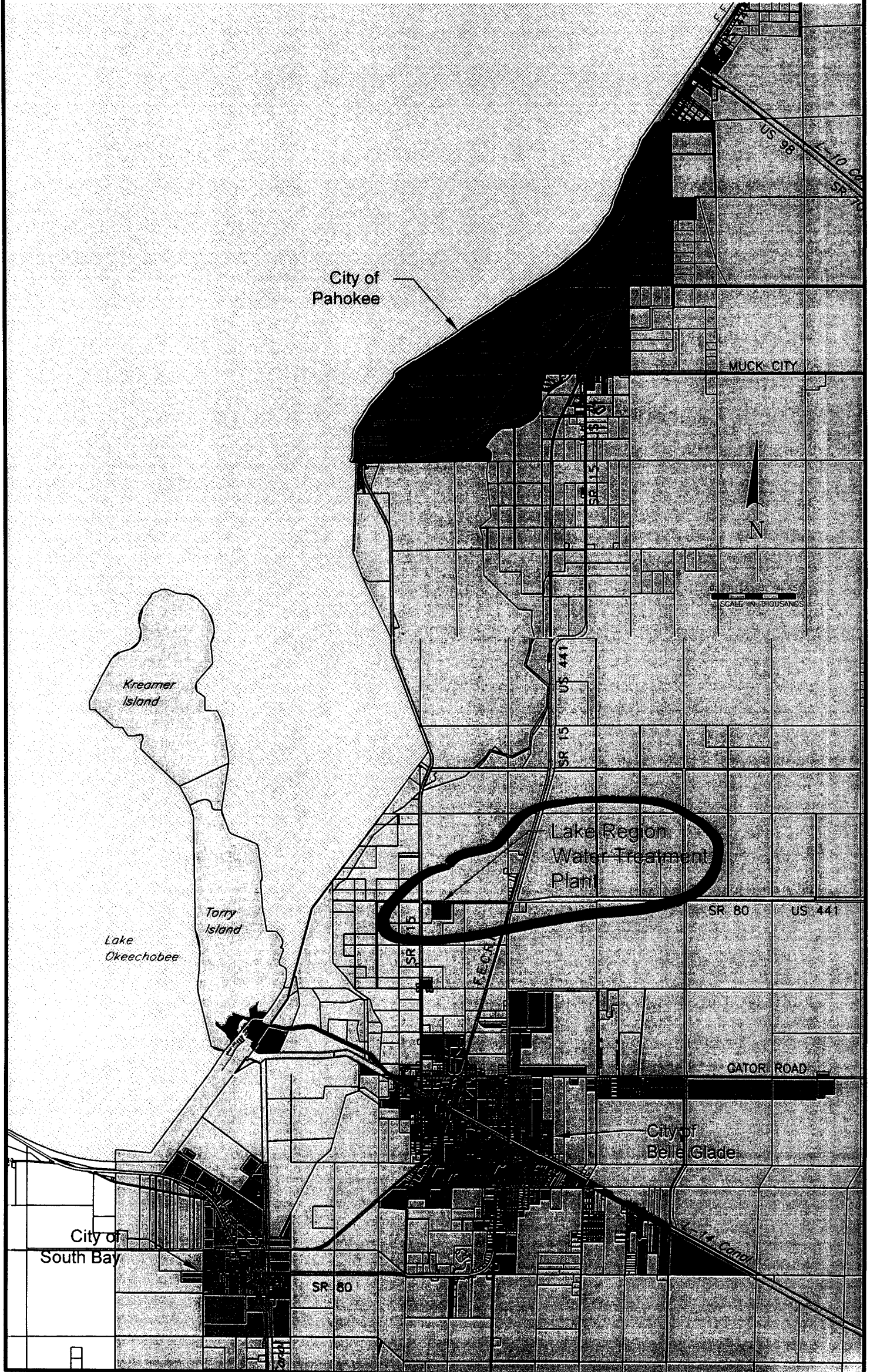
C. Other Department Reviews:

 Department Director

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



PALM BEACH COUNTY
WATER UTILITIES DEPARTMENT
LAKE REGION SERVICE AREA



CHANGE ORDER

**PROJECT: Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
WATER UTILITIES DEPT. PROJECT NO. WUD 06-025
DISTRICT NUMBER: 2, 5 and 6
CHANGE ORDER NO.: 1**

TO (Contractor):	DOCUMENT NO.	R2006-1458
The Crom Corporation	CONTRACT DATE:	August 15, 2006
2001 N.W. 22nd Street	NOTICE TO PROCEED:	September 27, 2006
Pompano Beach, Fl. 33069	BUDGET LINE ITEMS:	4011-721-W006-6541: \$139,132.44 4011-721-W026-6541: (\$6,728.00)

You are directed to make the following changes in this contract:

- | | |
|-----------------------------------------------------------------------------------------|----------------|
| 1. WTP 3 & 8, Ball Flex Piping Substitution. | (\$27,168.00) |
| 2. Lake Region WTP, Ball Flex Piping Substitution. | (6,728.00) |
| 3. WTP 8 – Piping conflict, additional fill, additional sidewalk, 30-inch valve credit. | \$15,600.85 |
| 4. WTP 3 – Debris removal, conflict resolution, additional fill. | \$118,712.82 |
| 5. Structural inspection & disinfection of two existing tanks at WTP 2 | \$7,000.00 |
| 6. Remove sediments and cleanout of two existing tanks at WTP 2 | \$10,000.00 |
| 7. Repair/replace manholes, vortex baffle, vent screening in 2.5 MG tank at WTP 2 | \$2,950.00 |

\$120,367.67

10% Contractor Mark-up Allowed by Contract \$12,036.77

Total: \$132,404.44

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

**Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
Project No. WUD 06-025
District Numbers: 2, 5 and 6
Contract No. R2006-1458
Change Order No. 1**

The Original Contract Sum was	<u>\$5,575,000.00</u>
Net Change by previous Change Orders	<u>\$0.00</u>
The Contract Sum prior to this Change Order was.....	<u>\$5,575,000.00</u>
The Contract Sum will be increased by this Change Order	<u>\$132,404.44</u>
The New Contract Sum indicating this Change Order will be	<u>\$5,707,404.44</u>
The Contract Time will be increased by 0 days	<u>(0) Days</u>
The Date of Substantial Compl. including this Change Order:	<u>Aug. 28, 2007</u>
 The Date of Final Completion including this Change Order:.....	 <u>Sep. 27, 2007</u>

Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes, in whole or part, a cardinal change to the contract.

Palm Beach County Water
Utilities Department

ENGINEER

P.O. Box 16097
W. Palm Beach, FL 33416

Address



Signature
Vincent M. Riccobono, P.E.

5-10-07

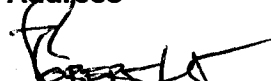
DATE

The Crom Corporation

CONTRACTOR

250 S.W. 36th Terrace
Gainesville, FL. 32607

Address



Signature
Robert G. Oyenarte, Area
Manager

5/10/2007

DATE

Palm Beach County Board of
County Commissioners

OWNER

P.O. Box 16097
W. Palm Beach, FL 33416

Address

Signature
Addie L. Greene, Chairperson

DATE

**Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
Project No. WUD 06-025
District Numbers: 2, 5 and 6
Contract No. R2006-1458
Change Order No. 1**

**Approved As To Form and
Sufficiency:**

**Attest:
Clerk of Court**

County Attorney

(Corporate Seal)

Deputy Clerk

**Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
Project No. WUD 06-025
District Numbers: 2, 5 and 6
Contract No. R2006-1458
Change Order No. 1**

CHANGE ORDER CATEGORIZATION

OWNER INITIATED

QUANTITY OVERRUNS/UNDER-RUNS

DIFFERING SITE CONDITIONS

REQUEST BY ANOTHER AGENCY/OUTSIDE

ZONING/CODE/ORDINANCE CHANGES

ERRORS/OMISSIONS IN DESIGN

A. REIMBURSABLE

B. NON-REIMBURSABLE

**Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
Project No. WUD 06-025
District Numbers: 2, 5 and 6
Contract No. R2006-1458
Change Order No. 1**

SCOPE OF WORK

- 1.1 WTP 3 & 8 Ball Flex Piping Substitution (Owner/Contractor Initiated) - Credit for the substitution of 36-inch TR Flex Joint for the 36-inch Flex Ball Joint pipe connection to tank that was originally specified.
- 1.2 Lake Region WTP Ball Flex Piping Substitution (Owner/Contractor Initiated) - Credit for substitution of 24-inch TR Flex Joint for the 24-inch Flex Ball Joint pipe connection to tank that was originally specified.
- 1.3 WTP 8 Piping conflict, additional fill, additional sidewalk, 30-inch valve credit (Differing Site Conditions and Owner Initiated) - Tank re-staked to a new location to avoid trees designated to be saved thus requiring additional fill material. Additional fittings are required to resolve a conflict between existing 36 raw water main and proposed 36-inch tank effluent. Received credit for eliminating a 30-inch valve, substituted a 4 foot sidewalk around the tank instead of a 3 foot sidewalk originally specified.
- 1.4 WTP 3 debris removal, conflict resolution and additional fill (Differing Site Conditions) Fittings are required to correct misalignment between the existing tank piping and proposed tank piping, additional excavation and filling to remove and dispose of an abandoned monitoring well and large amounts of construction debris which were encountered during excavation for the new storage tank.
- 1.5 Structural inspection and disinfection of two existing tanks at WTP 2 (Owner Initiated) – While the tanks are empty at WTP 2 for installation of baffles, the plant superintendent requests that a State required structural inspection be conducted simultaneously to avoid having to again drain the tanks at a later date.
- 1.6 Remove sediments and cleanout of two existing tanks at WTP 2 (Owner Initiated) To conduct the structural inspection referenced in 1.5 above, deposits and sediments must be removed from the bottom of the existing tanks.
- 1.7 Repair/Replace manholes, vortex baffle, and vent screening in 2.5 MG tank at WTP 2 (Owner Initiated) – While the tank is empty for installation of baffles, the plant superintendent requests that the above items be repaired/replaced at this time to avoid draining tank again at a later date to make the repairs.

**Water Treatment Plant No. 3, 8 and Lake Region
Ground Storage Tank Additions
Project No. WUD 06-025
District Numbers: 2, 5 and 6
Contract No. R2006-1458
Change Order No. 1**

COST SUMMARY

C.O.#	DESCRIPTION	ADDITIONS	(DELETIONS)	NET CHANGE
1.1	WTP 3 & 8, Ball Flex Piping Substitution.	\$0.00	(\$27,168.00)	(\$27,168.00)
1.2	Lake Region WTP, Ball Flex Piping Substitution.	\$0.00	(\$6,728.00)	(\$6,728.00)
1.3	WTP 8 Piping conflict, additional fill, additional sidewalk,, 30-inch valve credit.	\$25,620.85	(\$10,020.00)	\$15,600.85
1.4	WTP 3 Debris removal, conflict resolution and additional fill.	\$118,712.82	(0.00)	\$118,712.82
1.5	Structural inspection and disinfection of two existing tanks at WTP 2.	\$7,000.00	(\$0.00)	\$7,000.00
1.6	Remove sediments and cleanout of two existing tanks at WTP 2.	\$10,000.00	(\$0.00)	\$10,000.00
1.7	Repair/replace manholes, vortex baffle and vent screening in 2.5 MG tank at WTP 2.	\$2,950.00	(\$0.00)	\$2,950.00
	Totals	\$164,283.67	(\$43,916.00)	\$120,367.67

CHANGE ORDER ADDITIONS/DELETIONS SUMMARY

PROJECT:	Water Treatment Plant No.3, 8 & Lake Region Ground Storage Tank Additions	<u>APPROVAL LIMITS:</u>						
CONTRACTOR:	The Crom Corporation 250 S.W. 36 Terrace Gainesville, FL. 32607	DEPARTMENT HEAD	CONTRACT REVIEW COMMITTEE	DEPARTMENT HEAD PLUS CONTRACT REVIEW COMMITTEE				
PROJECT NO.:	WUD 06-025							
RESOLUTION NO.:	R2006-1458	(Amount)	(Days)	(Amount)	(Days)	(Amount)	(Days)	
DATE APPROVED:	August 15, 2006	INDIVIDUAL C.O.	\$50,000.00	25 Days	\$50,000.00	25 Days	\$100,000.00	N/A
CONTRACT AMOUNT:	\$5,575,000.00	CUMMULATIVE C.O.	\$100,000.00	50 Days	\$200,000.00	100 Days	\$200,000.00	N/A

C.O. #	DATE APPROVED	NET CHANGE	DEPARTMENT HEAD (ADDS PLUS DEDUCTS)		CONTRACT REVIEW COMMITTEE (ADDS PLUS DEDUCTS)		TOTAL DEPT. HEAD & CONTRACT REVIEW COMM. (ADDS PLUS DEDUCTS)		BOARD OF COUNTY COMMISSIONERS (ADDS PLUS DEDUCTS)		TOTALS
			AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	
1	Pending	\$132,404.44	\$0.00	0	\$0.00	0	\$0.00	0	\$132,404.44	0	\$132,404.44
TOTAL		\$132,404.44	0	0	0	0	0	0	\$132,404.44	0	\$132,404.44

Notes:

1. Net Change reflects the net amount of additions plus deductions.
2. Adds plus Deducts reflects the absolute value of unrelated changes for use in determining the approval authority for the Change Order.
3. Liquidated Damages = \$2,000 per day and \$1,000 per day (After Substantial Completion).

SCHEDULE 1

PARTICIPATION BY M/WBE SUBCONTRACTORS

PROJECT NAME: Water Treatment Plant No.3, 8 and Lake Region Ground Storage Tank Additions PROJECT NO.: WUD 06-025
 NAME OF PRIME CONTRACTOR: The Crom Corporation. CHANGE ORDER NO. 1
 CONTACT PERSON: Mr. Robert Oyenarte PHONE NO: (352) 372-3436 FAX NO. (352) 372-6209
 CONTRACT DATE: August 15, 2006 DEPARTMENT: Water Utilities

	Name, Address and Phone Number of M/WBE	Type of Work To Be Performed	Subcontract Amount			
			Black	Hispanic	Women	SBE
1.	Globaltech, 4722 N.W. Boca Raton Blvd. Suite C103 , Boca Raton, FL 33431 (561) 997-5811	Mechanical	---	---	---	<u>\$100,417.67</u>
2.			---	---	---	---
3.			---	---	---	---
4.			---	---	---	---
5.			---	---	---	---
6.			---	---	---	---
7.			---	---	---	---
8.			---	---	---	---
9.			---	---	---	---
10.			---	---	---	---
Totals			<u>\$ 0.00</u>	<u>\$ 0.00</u>	<u>\$ 0.00</u>	<u>\$ 100,417.67</u>

Original Contract Amount \$5,575,000.00 Original Participation \$985,598.00 Percent Participation 17.67%
 Adjusted Contract Amount \$5,707,404.40 Adjusted Participation \$1,086,015.60 Adjusted Percent Participation 19.03%

M/WBE

SCHEDULE 2

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

PROJECT NO. WUD 06-025 PROJECT NAME: Water Treatment Plant 3, 8 and Lake Region
Ground Storage Tank Additions

TO: The Crom Corporation
(Name of Prime Bidder)

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

Small Business Enterprise XX Minority Business Enterprise _____

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

Date of Palm Beach County Certification: October 10, 2001

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):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
1	Mechanical/Site Work	Lump Sum		\$100,417.67

at the following price

\$100,417.67
(Subcontractor's quote)

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 subcontractor, the amount of any such subcontract must be stated:
\$ 0.00

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Globaltech, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: 
(Signature)

Bernard Paul Gandy
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: 5-10-07



PBC WATER UTILITIES



The Crom Corporation

BACK-UP FOR C.O. #1 Items 1.1 to 1.7

Change Order Request Summary:

Project Name:	Palm Beach Co., Sys 3, 8, Lake Region
Description:	One 3.0-MG, Two 5.0-MG GST
Job No.:	06051.1/06051.2/06051.3

Ch. Order No.:	01
Date:	2-Apr-2007

Item No.	Description	Labor				Materials			\$Total
		Qty	Unit	Rate	Amount	Qty.	Unit	Amount	
#1.1 Gt1a	System 3, 8 Ball Flex Piping Substitution-Credit	See Back-up Attached				See Back-up Attached			(\$27,168.00)
#1.2 Gt1b	Lake Region Ball Flex Piping Substitution-Credit	See Back-up Attached				See Back-up Attached			(\$6,728.00)
#1.3 Gt2	System 8 Changes-36" Eff Conflict, 30"Inf Valve Credit, Add Pond (Filling/Grading), Add 1' of Sidewalk width, Delete Standpipe	See Back-up Attached				See Back-up Attached			\$15,600.85
#1.4 Gt3	System 3 Changes-Temp. Facilities, Add 36" Fittings, Add(Fill/Grading), Misc.	See Back-up Attached				See Back-up Attached			\$118,712.82
#1.5 CECS-1	Inspection & Disinfection of Existing Crom Tanks(No's.: 7313, 8135	N/A				N/A			\$7,000
#1.6 CECS-2	Additional cost to clean & disinfect Existing Crom Tank 8135 including Lost Time (Delay)	N/A				N/A			\$10,000
#1.7 CECS-3	Additional Cost for repair of manholes, vortex baffle, re-screening of center vent @ WTP No. 2	N/A				N/A			\$2,950

Subtotal: \$120,367.67

Crom Mark-Up (10%): \$12,036.77

Contract Net Increase for this Ch. Order:	\$132,404.44
Credit Owed:	N/A

#1.1

PROJECT:		PBC WUD No. 06-025													
FACILITY:		System 3 and 8 - 5MG Tank													
ACTIVITY:		CO Request No. 1 - Item 1a: Ball Flex Pipe Substitution													
ITEM NO	DESCRIPTION	QTY	UNIT	MATERIALS/EQUIP ⁽¹⁾		LABOR ⁽²⁾		INSTL or SIC ⁽³⁾			TOTAL (subj to markup)	TOTAL (no markup)	REF.		
				UNIT	AMT	QTY	UNIT	RATE	AMT	% EQ				UNIT \$	AMT
1	Temporary Facilities														
	Trailer		MO								\$450.00			N/A	
	Sanitary		MO								\$85.00			N/A	
	Tel/DSL		LOT								\$500.00			N/A	
	Electric		MO								\$150.00			N/A	
	Subtotal:														
2	PIPE SUBSTITUTION														
	System 3:														
	36" FLEX-BALL INFL	1	EA	(\$12,792.47)	(\$13,560.02)							(\$13,560.02)		CREDIT	
	36" FLEX-BALL EFFL	1	EA	(\$12,900.00)	(\$13,674.00)							(\$13,674.00)		CREDIT	
	36" TR FLEX INFL	1	EA	\$1,258.27	\$1,333.77							\$1,333.77		ADDITION	
	36" TR FLEX EFFL	1	EA	\$1,258.27	\$1,333.77							\$1,333.77		ADDITION	
	12" FLEX-BALL DRAIN	1	EA	(\$2,419.35)	(\$2,564.51)							(\$2,564.51)		CREDIT	
	12" MJ DRAIN	1	EA	\$547.38	\$580.22							\$580.22		ADDITION	
	12" MEGALUG SET	1	EA	\$62.84	\$66.61							\$66.61		ADDITION	
	12" MJ ACCY SET	1	EA	\$14.75	\$15.64							\$15.64		ADDITION	
	System 8:														
	30" FLEX-BALL INFL	1	EA	(\$9,518.28)	(\$10,089.38)							(\$10,089.38)		CREDIT	
	30" FLEX-BALL EFFL	1	EA	(\$12,900.00)	(\$13,674.00)							(\$13,674.00)		CREDIT	
	30" TR FLEX INFL	1	EA	\$1,325.00	\$1,404.50							\$1,404.50		ADDITION	
	30" TR FLEX EFFL	1	EA	\$1,258.27	\$1,333.77							\$1,333.77		ADDITION	
	12" FLEX-BALL DRAIN	1	EA	(\$2,419.35)	(\$2,564.51)							(\$2,564.51)		CREDIT	
	12" MJ DRAIN	1	EA	\$547.38	\$580.22							\$580.22		ADDITION	
	12" MEGALUG SET	1	EA	\$62.84	\$66.61							\$66.61		ADDITION	
	12" MJ ACCY SET	1	EA	\$14.75	\$15.64							\$15.64		ADDITION	
		Subtotal:													(\$49,395.68)
	Notes:				Mat. Total:	(\$49,396)	Lab. Total:		Misc Cost Total:						
	(1). Raw equipment or material costs w/ sales tax of:				\$6.00 %		SUBTOTAL					(\$49,395.68)			
(2). MH = Man hours, Cr-D = Crew days; at corresponding rate						OH/PROFIT PER CONTRACT:		10.0%			(\$4,939.57)			(GC, pg 28, para C.1.a-iv & v)	
(3). Installed or set costs for activity:						OTHER:									
% Equip = percent of raw equip cost used to estimate installation cost						TOTAL COST					(\$54,335.25)				
Unit \$ = total material and labor or rental cost for item															

Ref:
General Conditions
Article 7A

CREDIT SPLIT BETWEEN COUNTY & CONTRACTOR
AS PROVIDED FOR IN CONTRACT
DOCUMENTS FOR CONTRACTOR
INITIATED COST SAVING'S

$$\frac{\$54,335.25}{2} = \$27,167.63$$

Rounded to \$27,168 CREDIT
TO COUNTY

W. Duobus
4-20-07

#1.2

PROJECT:		PBC WUD No. 06-025												
FACILITY:		Lake Region - 3MG Tank												
ACTIVITY:		CO Request No. 1 - Item 1b: Ball Flex Pipe Substitution												
ITEM NO	DESCRIPTION	QTY	UNIT	MATERIALS/EQUIP ⁽¹⁾		LABOR ⁽²⁾		INSTR or S/C ⁽³⁾			TOTAL	TOTAL	REF.	
				UNIT	AMT	QTY	UNIT	RATE	AMT	% EQ	UNIT \$	AMT		(subj to markup)
1	Temporary Facilities													
	Trailer		MO								\$450.00			N/A
	Sanitary		MO								\$85.00			N/A
	Tel/DSL		LOT								\$500.00			N/A
	Electric		MO								\$150.00			N/A
	Subtotal:													
2	PIPE SUBSTITUTION													
	24" FLEX-BALL INFL	1	EA	(\$7,258.06)	(\$7,893.54)							(\$7,893.54)		CREDIT
	24" FLEX-BALL EFFL	1	EA	(\$7,258.06)	(\$7,893.54)							(\$7,893.54)		CREDIT
	24" MEGALUG SET	6	EA	\$228.90	\$1,442.45							\$1,442.45		ADDITION
	24" MJ X PE DIP	1	EA	\$1,809.36	\$1,917.92							\$1,917.92		ADDITION
	24" MJ SLEEVE	2	EA	\$800.00	\$1,896.00							\$1,896.00		ADDITION
	12" FLEX-BALL DRAIN	1	EA	(\$2,419.35)	(\$2,564.51)							(\$2,564.51)		CREDIT
	12" MJ DRAIN	1	EA	\$547.39	\$580.23							\$580.23		ADDITION
	12" MEGALUG SET	1	EA	\$82.84	\$86.61							\$86.61		ADDITION
	12" MJ ACCY SET	1	EA	\$14.50	\$15.37							\$15.37		ADDITION
	Subtotal:													(\$12,233.01)
Notes:				Mat. Total:	(\$12,233)	Lab. Total:		Misc Cost Total:						
(1) Raw equipment or material costs w/ sales tax of:				\$6.00	%	SUBTOTAL						(\$12,233.01)		
(2) MH = Man hours, Cr-D = Crew days; at corresponding rate						OH/PROFIT PER CONTRACT:		10.0%				(\$1,223.30)		(GC, pg 28, para C.1.a-iv & v)
(3) Installed or set costs for activity:						OTHER:								
% Equip = percent of raw equip cost used to estimate installation cost						TOTAL COST						(\$13,456.32)		
Unit \$ = total material and labor or rental cost for item														

CREDIT SPLIT BETWEEN COUNTY AND CONTRACTOR AS PROVIDED FOR IN CONTRACT DOCUMENTS FOR A CONTRACTOR INITIATED COST SAVINGS

Ref:

General Conditions Article 74

$$\frac{13,456.12}{2} = \$6,728.06$$

Rounded to \$6,728.00 CREDIT to County.
 W. R. ...
 4-20-07

#1.3

PROJECT: PBC WUD No. 06-025
 FACILITY: SYSTEM 8 - 5 MG TANK
 ACTIVITY: CO Request No. 1 - Item 2: Pipe Conflict, Pond Fill, Valve Del, Sidewalk, Standpipe Del.

ITEM NO	DESCRIPTION	QTY	UNIT	MATERIALS/EQUIP ⁽¹⁾		LABOR ⁽²⁾			INSTL or S/C ⁽³⁾		TOTAL	TOTAL	REF.	
				UNIT	AMT	QTY	UNIT	RATE	AMT	% EQ	UNIT \$	AMT		(subj to markup)
1	Temporary Facilities													
	Trailer		MO											N/A
	Sanitary		MO											N/A
	Tel/DSL		LOT											N/A
	Electric		MO											N/A
	Subtotal:													
2	36" Effluent Conflict													
	PIPE/FTGS:													
	45 ELL	2	EA	\$3,000.00	\$6,000.00									
	90 ELL	2	EA	\$3,300.00	\$6,600.00									
	MEGALUG SET	8	EA	\$800.00	\$6,400.00									
	ENGINEERING					6	HRS	\$125.00	\$750.00				\$750.00	
	CADD					7	HRS	\$65.00	\$455.00				\$455.00	
	CONSUMABLES	1	LOT	\$380.00	\$380.00								\$380.00	BITS/BLADES
	EXCAVATION:					1.5	CR-D	\$833.00	\$1,249.50				\$1,249.50	
	BACKFILL:					1	CR-D	\$833.00	\$833.00				\$833.00	
	COMPACTION					12	HR	\$26.19	\$314.28				\$314.28	
	NO. 57 ROCK	36	YDS	\$26.40	\$950.40								\$950.40	
	EQUIPMENT: TRACKHOE	2	DAY							\$700.00	\$1,400.00		\$1,400.00	
	ROLLER COMPACTOR	2	DAY							\$350.00	\$700.00		\$700.00	
	FRONTEND LOADER	2	DAY							\$575.00	\$1,150.00		\$1,150.00	
	DEWATERING PUMP	3	DAY							\$75.00	\$225.00		\$225.00	
	PLATE COMPACTOR	2	DAY							\$85.00	\$170.00		\$170.00	
	FUEL	178	GAL	\$2.20	\$391.60								\$391.60	
3	30" INFLUENT VALVE CREDIT													
	VALVE	1	EA	(\$8,036.00)	(\$8,036.00)	0.5	CR-D	(\$833.00)	(\$416.50)				(\$8,452.50)	
	MEGALUG SET	2	EA	(\$565.00)	(\$1,130.00)								(\$1,130.00)	
	WAVLE BOX	1	EA	(\$82.50)	(\$82.50)								(\$82.50)	
	CONC PAD	1	LOT	(\$135.00)	(\$135.00)	4	HR	(\$55.00)	(\$220.00)				(\$355.00)	
4	ADDITIONAL POND FILL/GRADING													
	CLEAN FILL	532	YDS	\$6.38	\$3,394.16	3	CR-D	\$1,288.00	\$3,864.00				\$7,258.16	
	EQUIPMENT BOBCAT	2	DAY							\$275.00	\$550.00		\$550.00	
	FRONTEND LOADER	2	DAY							\$575.00	\$1,150.00		\$1,150.00	
	ROLLER COMPACTOR	2	DAY							\$350.00	\$700.00		\$700.00	
	ROLLER COMPACTOR DELIV	1	LOT							\$150.00	\$150.00		\$150.00	BROUGHT BACK TO SITE
	FUEL	83	GAL	\$2.20	\$182.60								\$182.60	
	SURVEYOR	8	HRS			6	HR	\$75.00	\$450.00				\$450.00	
5	ADDITIONAL SIDEWALK WIDTH													CHANGE 3' WALK TO 4' WIDTH
	CONCRETE	4	YDS	\$118.00	\$472.00	0.5	CR-D	\$1,583.00	\$791.50				\$1,263.50	
	FORMWORK	1	LOT	\$185.00	\$185.00	0.5	CR-D	\$1,583.00	\$791.50				\$976.50	
	COMPACTION					6	HR	\$26.20	\$157.20				\$157.20	
	FILL	18	YDS	\$8.00	\$144.00	0.5	CR-D	\$1,583.00	\$791.50				\$935.50	
	PLATE COMPACTOR	1	DAY							\$85.00	\$85.00		\$85.00	
6	DELETE INLET STANDPIPE													
	30"x17'-06" FLGXFLG DIP	1	EA	(\$3,401.11)	(\$3,401.11)								(\$3,401.11)	
	30"x02'-7" FLGXFLG DIP	1	EA	(\$1,482.22)	(\$1,482.22)								(\$1,482.22)	
	30" DI FLG TEE	1	EA	(\$3,053.98)	(\$3,053.98)								(\$3,053.98)	
	30" DI FLG 90 ELL	1	EA	(\$2,031.25)	(\$2,031.25)								(\$2,031.25)	
	30"x18'-03" FLGXFLG DIP	1	EA	(\$3,336.48)	(\$3,336.48)								(\$3,336.48)	
	30" DI FLG 90 BASE ELL	1	EA	(\$2,308.24)	(\$2,308.24)								(\$2,308.24)	
	30" FLG ACCY KIT	6	EA	(\$583.00)	(\$3,498.00)								(\$3,498.00)	
	COATING	2	GAL	(\$138.00)	(\$276.00)	1	CR-D	(\$833.00)	(\$833.00)				(\$1,109.00)	
	BASE ANCHORS	4	EA	(\$38.00)	(\$152.00)								(\$152.00)	
	PIPE INSTALLATION LABOR					1	CR-D	(\$1,583.00)	(\$1,583.00)				(\$1,583.00)	

Notes:	Mat. Total:	(\$3,823)	Lab. Total:	\$12,144	Misc Cost Total:	\$6,280
(1). Raw equipment or material costs w/ sales tax of:	\$6.00 %		SUBTOTAL		\$6,666	\$7,935
(2). HR = Man hours, CR-D = Crew days; at corresponding rate			OH/PROFIT PER CONTRACT:	15.0%	\$1,000	(GC, pg 28, para C.1.a-iv & v)
(3). Installed or set costs for activity:			OTHER:			
Unit \$ = total material and labor or rental cost for item			TOTAL COST		\$7,666	\$7,935
			TOTAL COST (MRK UP + NON-MRK UP):		\$7,666	
					\$7,935	
					\$15,600.85	

#1.4

PROJECT: PBC WUD No. 06-025																
FACILITY: SYSTEM 3 - 5 MG TANK																
ACTIVITY: CO Request No. 1 - Item 3: Additional Pipe and Fittings, Additional Fill/Compaction and Debris Removal																
ITEM NO	DESCRIPTION	QTY	UNIT	MATERIALS/EQUIP ⁽¹⁾		LABOR ⁽²⁾				INSTL or S/C ⁽³⁾		TOTAL (sub) to markup)	TOTAL (no markup)	REF.		
				UNIT	AMT	QTY	UNIT	RATE	AMT	% EQ	UNIT \$				AMT	
1	Temporary Facilities															
	Trailer	0.75	MO									\$245.00	\$183.75	\$183.75		
	Sanitary	0.75	MO									\$85.00	\$63.75	\$63.75		
	Tel/DSL	0.75	LOT									\$500.00	\$375.00	\$375.00		
	Electric		MO									\$150.00			N/A	
2	ADD'L 36" FITTINGS															
	PIPE/FTGS: INSTALLATION							5	CR-D	\$1,583.00	\$7,915.00			\$7,915.00	ASSY/INSTALL	
	45 ELL	2	EA	\$3,000.00	\$6,000.00									\$6,000.00		
	90 ELL	2	EA	\$2,806.00	\$5,612.00									\$5,612.00		
	MEGALUG SET	8	EA	\$736.00	\$5,888.00									\$5,888.00		
	ENGINEERING							6	HRS	\$125.00	\$750.00				\$750.00	
	CADD							2	HRS	\$65.00	\$130.00				\$130.00	
	CONSUMABLES	1	LOT	\$677.00	\$677.00									\$677.00	BITS/BLADES	
	EXCAVATION:							2.5	CR-D	\$833.00	\$2,082.50			\$2,082.50		
	BACKFILL							2.5	CR-D	\$833.00	\$2,082.50			\$2,082.50		
	COMPACTON							16	HR	\$28.19	\$419.04			\$419.04	PLATE COMPACTOR	
	NO. 57 ROCK	72	YDS	\$26.40	\$1,900.80									\$1,900.80		
	EQUIPMENT: TRACKHOE	1	WK									\$2,000.00	\$2,000.00	\$2,000.00		
	FRONTEND LOADER	1	WK									\$1,700.00	\$1,700.00	\$1,700.00		
	DEWATERING PUMP	5	DAY									\$75.00	\$375.00	\$375.00	SMALL, NO WELL POINTS	
	PLATE COMPACTOR	3	DAY									\$85.00	\$255.00	\$255.00		
	FUEL	225	GAL	\$2.20	\$495.00									\$495.00		
	ROLLER COMPACTOR	1	WK									\$1,025.00	\$1,025.00	\$1,025.00		
3	ADDITIONAL FILL/GRADING															
	NEW CLEAN FILL	152	TRKS	\$145.00	\$22,040.00			11	CR-D	\$1,288.00	\$14,168.00			\$36,208.00	18 CU YD TRUCK LOADS	
	SCREEN/SEPARATE EXIST'G FILL							10	CR-D	\$788.00	\$7,880.00			\$7,880.00	SCREEN BY OTHERS	
								6	CR-D	\$833.00	\$4,998.00			\$4,998.00		
	EQUIPMENT: BOBCAT	3	WK									\$550.00	\$1,650.00	\$1,650.00		
	FRONTEND LOADER	3	WK									\$1,700.00	\$5,100.00	\$5,100.00		
	ROLLER COMPACTOR	1	WK									\$1,025.00	\$1,025.00	\$1,025.00		
	TRACKHOE	2	WK									\$2,000.00	\$4,000.00	\$4,000.00		
	ROOT RAKE	1	MO									\$900.00	\$900.00	\$900.00		
	FUEL	775	GAL	\$2.20	\$1,705.00									\$1,705.00		
	SURVEYOR							12	HR	\$75.00	\$900.00			\$900.00		
4	MISC															
	PLUG & ABANDON WELL:															
	PLACE BENT & GROUT	1	LOT	\$425.00	\$425.00			1	CR-D	\$833.00	\$833.00			\$1,258.00		
	CAP	1	EA	\$65.00	\$65.00									\$65.00		
	FENCE POST REMOVAL	1	LOT					0.5	CR-D	\$833.00	\$416.50			\$416.50	FIELD DIRECTED	

Notes:	Mat. Total:	\$44,808	Lab. Total:	\$42,575	Misc Cost Total:	\$18,653
(1) Raw equipment or material costs w/ sales tax of:	\$6.00	%	SUBTOTAL	\$84,520	\$21,515	
(2) HR = Man hours, Cr-D = Crew days; at corresponding rate			OH/PROFIT PER CONTRACT:	15.0%	\$12,678	(GC, pg 28, para C.1.a-iv & v)
(3) Installed or set costs for activity:			OTHER:			
Unit \$ = total material and labor or rental cost for item			TOTAL COST	\$97,198	\$21,515	
			TOTAL COST (MRK UP + NON-MRK UP):	\$97,198	\$21,515	
				\$118,712.82		



FILE COPY
C.S.L.
11/10/06



November 1, 2006

Via Email: rgo@cromcorp.com

Mr. Bobby Oyenarte
The Crom Corporation
250 S.W. 36th Terrace
Gainesville, FL 32607

Item
#1.5

Subject: Change Order [REDACTED]
Tank inspection and disinfection
CECS Job No. 56055
(Crom Job No. 7313 & 8135)

Dear Mr. Oyenarte:

At the request of Mr. Vince Riccobono of the Palm Beach County Water Utilities Department, CECS provided a proposal to inspect and disinfect the above referenced tanks while on-site conducting modification work on the baffle curtains. Instead of issuing a P.O. to CECS directly the county decided to amend the current contract that they have with The Crom Corporation to add in these inspections under the work directive. We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

Three Thousand Five Hundred Dollars

(\$3,500.00) per tank x 2 TANKS

TOT. \$7,000

Final payment, including any changes in contract amount, shall be made within 30 days of the receipt of the Final Inspection Report. Final payment shall not be held up because of delays in testing. Owner shall pay CECS interest at 18% per annum on any overdue amounts.

This change order is offered for your acceptance within 10 days from the change order date. The return to this company of a copy of this change order with your acceptance endorsed thereon within the time aforesaid will constitute a contract between us. This change order shall be made a part of the original subcontract agreement.

CROM ENGINEERING & CONSTRUCTION SERVICES, INC.

250 SW 36th Terrace • Gainesville, Florida 32607 • 352-548-3349 • Fax: 352-548-3449



FILE COPY
C.SEL 2/12/07

January 9, 2007

Via Email: rgo@cromcorp.com

Mr. Bobby Oyenarte
The Crom Corporation
250 S.W. 36th Terrace
Gainesville, FL 32607

Item
1.6

Subject: Change Order ~~XXXX~~
2.5-MG Prestressed Composite Tank
Palm Beach County WTP No. 2
CECS Job No. 56055
(Crom Job No. 8135)

Dear Mr. Oyenarte:

Per our previous discussions and agreements this change order shall increase the contract amount according to the following items:

1. **Tank Interior Cleaning:** In accordance with *Proposal – Tank Interior Cleaning* (Revised – December 8th, 2006), the agreed amount of lime sludge removed from the tank was an average of 0.45". The corresponding price for this increment is:

Subtotal Item 1: \$8,750.00

2. **Lost Time due to Delay:** The County's representative and CECS agreed upon the following breakdown of direct costs due to the delay:

40 Man-hours @ \$15.75 ea.	\$630.00
Vactor 2 Hours @ \$310.00 ea.	\$620.00

Subtotal Item 2: \$1,250.00

Total Change ~~ORDER~~: \$10,000.00

CROM ENGINEERING & CONSTRUCTION SERVICES, INC.

250 SW 36th Terrace • Gainesville, Florida 32607 • 352-548-3349 • Fax: 352-548-3449



FILE COPY
C. SEC 2/12/07



January 19, 2007

Via Email: rgo@cromcorp.com & hand delivered

Mr. Bobby Oyenarte
The Crom Corporation
250 S.W. 36th Terrace
Gainesville, FL 32607

Item
1.7

Subject: Change Order [REDACTED]
2.5-MG Prestressed Composite Tank
CECS Job No. 56055 – Palm Beach County WTP No. 2

Dear Mr. Oyenarte:

Per our previous discussions and agreements this change order shall increase the contract amount according to the following items:

1. **Coat manhole frames and covers:** CECS will prepare and recoat the manhole frames and covers with an epoxy coating suitable for use in potable water systems such as Aquatapoxy or equal.
2. **Repair vortex baffle:** CECS will repair and reinstall the existing vortex baffle. CECS will need to bring the baffle back to the shop in Gainesville to make the repairs resulting in an additional mobilization and a possibly a delay in putting the tank back in service.
3. **Rescreen center vent:** CECS will install a new primary screen for the 50" fiberglass center ventilator.

Total Change Order #3: \$2,950.00

CROM ENGINEERING & CONSTRUCTION SERVICES, INC.

250 SW 36th Terrace • Gainesville, Florida 32607 • 352-548-3349 • Fax: 352-548-3449

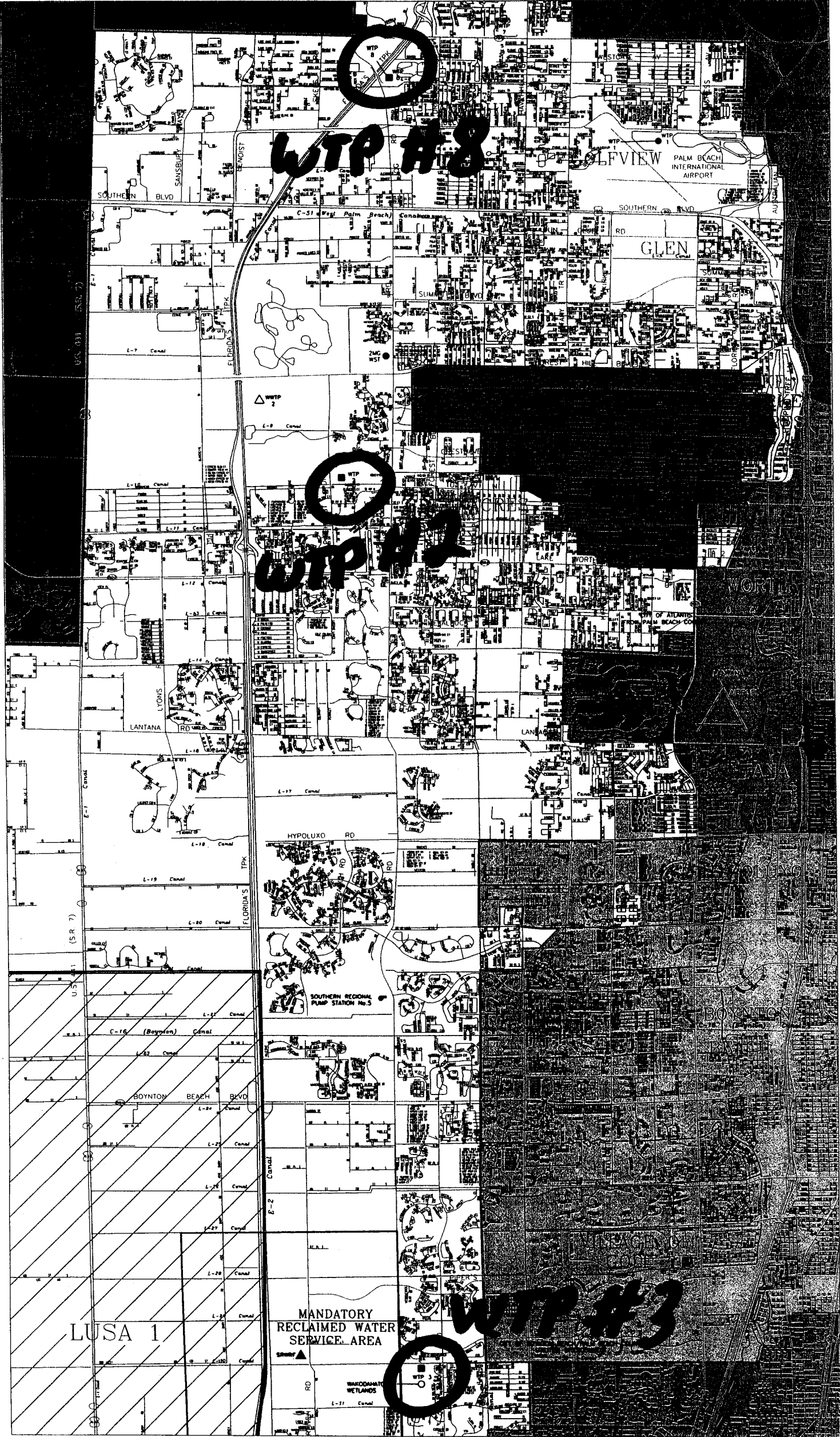
WTP #8

WTP #12

WTP #3

LUSA 1

MANDATORY RECLAIMED WATER SERVICE AREA



PALM BEACH COUNTY
WATER UTILITIES DEPARTMENT
LAKE REGION SERVICE AREA

