



MEMORANDUM

Date: June 2, 2009

To: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

Agenda Item No. 8(R)(1)(A)

From: George M. Burgess
County Manager

Subject: Request to Reject all Bids for the Upper Floridan Aquifer Blending Wells - Project No: W-903 (A), Division II - ESP; Contract No: W-903 (A), Division II

RECOMMENDATION:

This request to reject all bids for construction Contract No. W-903 (A), Division II has been prepared by the Miami-Dade Water and Sewer Department (WASD) and is recommended for approval. This project is one in a series of projects under the 20-Year Water Use Permit (WUP) issued by the South Florida Water Management District (District). The project consists of constructing five production wells, in two different locations, which will be used to provide water from the Floridan Aquifer to blend with Biscayne Aquifer water. It is divided into two separate divisions: W-903 (A), Division I, located at the NW Wellfield, and W-903 (A), Division II, located at the Miami Springs Wellfield.

This project has been postponed by the District due to the recent decreases in the demand for potable water as successful conservation efforts and flat population growth rates have eliminated the requirement for additional water supplies from wells used as blending wells or aquifer storage recovery wells. If in the future WASD determines that these wells are needed to support water demands, the project would be re-bid for the construction of some, or all the wells under a different contract.

SCOPE

PROJECT NAME: Upper Floridan Aquifer Blending Wells

PROJECT NO: W-903 (A), Division II - ESP

CONTRACT NO: W-903 (A), Division II

PROJECT DESCRIPTION: The project for W-903 (A), Division II at the Miami Springs Wellfield consists of furnishing all labor, materials and equipment necessary to construct two production wells to be used to provide blending water from the Floridan Aquifer. The wells will also be used to monitor pressures and water quality in the Floridan Aquifer when they are not being used for water production.

The scope of work for each well includes, but is not limited to the following: construction of a drilling pad, and wellhead; constructing four Biscayne Aquifer monitoring wells; furnishing and installing stainless steel submersible withdrawal pumps, including piping, valves, controls, and instrumentation; Supervisory Control and Data Acquisition (SCADA) installation; connections to the existing raw water mains; hydrologic and geologic testing during well construction; performing full well development and aquifer testing; and all other miscellaneous and appurtenant work for a complete project.

It is WASD's intent to obtain a complete, functional, and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

PROJECT LOCATION: Upper Miami Springs Wellfield, at Dove Avenue and Lenape Drive, in the City of Miami Springs, Miami-Dade County, Florida

PROJECT SITES:

<u>SITE #</u>	<u>LOCATION 1</u>	<u>DIST</u>	<u>ESTIMATE</u>	<u>T-S-R</u>
#75018	DOVE AVE and LENAPE DR	6	\$4,859,000.00	53-13-40

PRIMARY COMMISSION DISTRICT: District 6 Rebeca Sosa

APPROVAL PATH: Board of County Commissioners

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

FISCAL IMPACT/FUNDING SOURCE:

FUNDING SOURCE:	<u>SOURCE</u>	<u>AMOUNT</u>
	WASD Revenue Bonds Sold, Water Construction Fund, Water Connection Charges and Future WASD Revenue Bonds	<u>\$4,859,000.00</u>

PTP FUNDING: No

GOB FUNDING: No

CAPITAL BUDGET PROJECT:	CAPITAL BUDGET PROJECT # - DESCRIPTION 962370- AQUIFER STORAGE RECOVERY - WELLFIELDS Book Page:293 Funding Year: Adopted Capital Budget Book for FY 2007-08, Prior Years' Funding	<u>RTA ESTIMATE</u> \$4,859,000.00
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PROJECT TECHNICAL CERTIFICATION REQUIREMENTS: One of the following licenses is required: State General Contractor, General Engineering Contractor, and/or any other category as applicable to Chapter 489 of the Florida Statutes, or Chapter 10 of the Miami-Dade County Code. The following license is required for the well drilling portion of the project: Water Well License issued by the District.

ESTIMATED CONTRACT PERIOD: 365 Days
ESTIMATED CONTINGENCY PERIOD: 37 Days
IG FEE INCLUDED IN BASE CONTRACT: Yes
ART IN PUBLIC PLACES: No
BASE ESTIMATE: \$4,300,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	10%	\$430,000.00	
PERMIT FEES :			\$129,000.00	3.00%
TOTAL DEDICATED ALLOWANCE:			\$129,000.00	
COST ESTIMATE:			\$4,859,000.00	

TRACK RECORD/MONITOR

EXPLANATION: Bids were received on October 15, 2008. *oo*
 This project has been postponed by the South Florida Water Management District due to the recent decreases in the demand for potable water as successful conservation efforts and flat population growth rates have eliminated the requirement for additional water supplies from wells used as blending wells or aquifer storage recovery wells.

If in the future WASD determines that these wells are needed to support water demands, the project would be re-bid for the construction of some, or all the wells under a different contract.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: No

REVIEW COMMITTEE: MEETING DATE: 6/25/2008 SIGNOFF DATE: 6/25/2008

RESPONSIBLE WAGES: Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:

TYPE	GOAL	COMMENT
CSBE	8.00%	
CWP	0.00%	Not Applicable

MANDATORY CLEARING HOUSE: Yes

CONTRACT MANAGER NAME/PHONE/EMAIL: Alma M. Santiago, P.E. (786)552-8243 AS1@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: William A. Pitt 786-552-8171 wpitt@miamidade.gov

Background

BACKGROUND: This project is one in a series of projects under the 20-Year WUP issued by the South Florida Water Management District on November 15, 2007. The project consists of constructing 5 production wells, in 2 different locations, which will be used to provide water from the Floridan Aquifer to blend with Biscayne Aquifer water. It is divided into two separate divisions: W-903 (A), Division I, and W-903 (A), Division II.

DEPARTMENT FINANCE: Diane Camacho
DEPT FINANCE OFFICER: _____ **DATE:** _____

INDEX CODES: WASD Revenue Bonds Sold, Water Construction Fund, Water Connection Charges and Future WASD Revenue Bonds

BUDGET APPROVAL FUNDS AVAILABLE: *10/20/08*  OSBM DIRECTOR *3-24-09* **DATE** *JS OK*

APPROVED AS TO LEGAL SUFFICIENCY:  COUNTY ATTORNEY *3/18/09* **DATE** **CLERK DATE** _____ **DATE**

CAPITAL IMPROVEMENTS CONCURRENCE: *10/20/08*  OGI DIRECTOR *4-9-09* **DATE** *4*
 ASSISTANT COUNTY MANAGER *4/16/09* **DATE**



MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

DATE: June 2, 2009

FROM: 
R. A. Cuevas, Jr.
County Attorney

SUBJECT: Agenda Item No. 8(R)(1)(A)

Please note any items checked.

- "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Bid waiver requiring County Mayor's written recommendation
- Ordinance creating a new board requires detailed County Manager's report for public hearing
- Housekeeping item (no policy decision required)
- No committee review

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Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(R)(1)(A)
6-2-09

RESOLUTION NO. _____

RESOLUTION REJECTING ALL BIDS RECEIVED ON
OCTOBER 15, 2008 IN CONNECTION WITH MIAMI-
DADE WATER AND SEWER DEPARTMENT'S UPPER
FLORIDAN BLENDING WELLS PROJECT NO. W-903
(A) DIVISION II

WHEREAS, this Board desires to accomplish the purposes outlined in the
accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY
COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board finds
that it is in the best interest of the County to reject all bids received for Miami-Dade
Water and Sewer Department's Upper Floridan Blending Wells Project No. W-903 (A)
Division II.

The foregoing resolution was offered by Commissioner _____,
who moved its adoption. The motion was seconded by Commissioner _____
and upon being put to a vote, the vote was as follows:

- | | |
|---------------------------------|--------------------|
| Dennis C. Moss, Chairman | |
| Jose "Pepe" Diaz, Vice-Chairman | |
| Bruno A. Barreiro | Audrey M. Edmonson |
| Carlos A. Gimenez | Sally A. Heyman |
| Barbara J. Jordan | Joe A. Martinez |
| Dorrin D. Rolle | Natacha Seijas |
| Katy Sorenson | Rebeca Sosa |
| Sen. Javier D. Souto | |

The Chairperson thereupon declared the resolution duly passed and adopted this 2nd day of June, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Henry N. Gillman

UPPER FLORIDAN AQUIFER BLENDING WELLS

MIAMI SPRINGS WELLFIELD

CONTRACT NO. W-903 (A), DIVISION II

BUDGET PROJECT AND DESCRIPTION:

962370- AQUIFER STORAGE RECOVERY - WELLFIELDS

FUNDING SOURCE:

WASD REVENUE BONDS SOLD, WATER CONSTRUCTION FUND, WATER CONNECTION CHARGES AND FUTURE WASD REVENUE BONDS

ASSISTANT DIRECTOR, WATER - OPERATIONS:



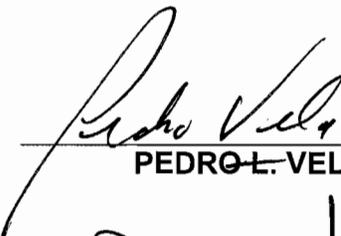
RALPH TERRERO, P.E. 3/4/09
DATE

ASSISTANT DIRECTOR, ENGINEERING AND CAPITAL IMPROVEMENTS:



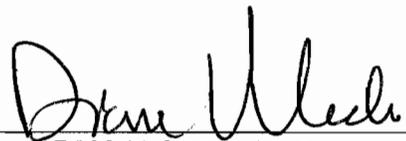
EDUARDO A. VEGA, P.E. 3/5/2009
DATE

WATER AND SEWER BUDGETARY AND FINANCIAL ADVISOR TO THE DIRECTOR:
PURSUANT TO ORC 1



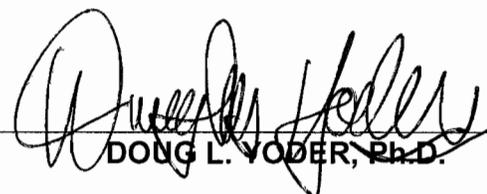
PEDRO L. VELAR 3/6/09
DATE

ASSISTANT DIRECTOR, FINANCE:



DIANE CAMACHO 3/9/09
DATE

DEPUTY DIRECTOR, REGULATORY COMPLIANCE AND CAPITAL IMPROVEMENTS:



DOUG L. YODER, Ph.D. 3/9/09
DATE

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
 DEPARTMENT: Water and Sewer

***** FUNDED PROJECTS *****
 (dollars in thousands)

WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION

PROJECT # 9653261

DESCRIPTION: Renovate and replace wastewater treatment plant facilities and structures within plant sites

LOCATION: Systemwide
 Systemwide

DISTRICT LOCATED: Systemwide
 DISTRICT(S) SERVED: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Wastewater Renewal Fund	10,957	7,838	12,454	13,044	16,914	18,000	20,000	20,000	119,207
TOTAL REVENUE:	10,957	7,838	12,454	13,044	16,914	18,000	20,000	20,000	119,207
EXPENDITURE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Planning and Design	763	803	1,183	1,183	1,638	1,638	1,820	1,820	10,848
Construction	7,622	8,019	11,817	11,817	16,362	16,362	18,180	18,180	108,359
TOTAL EXPENDITURES:	8,385	8,822	13,000	13,000	18,000	18,000	20,000	20,000	119,207

Water Projects:

AQUIFER STORAGE RECOVERY - WELLFIELDS

PROJECT # 962370

DESCRIPTION: Improve the West and Southwest Wellfields with ultra-violet disinfection for aquifer storage recovery system of raw water; construct a Hialeah/Preston Floridan Aquifer blending wellfield

LOCATION: Systemwide
 Systemwide

DISTRICT LOCATED: Systemwide
 DISTRICT(S) SERVED: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Water Connection Charges	414	280	0	0	0	0	0	0	694
WASD Revenue Bonds Sold	4,548	0	0	0	0	0	0	0	4,548
Future WASD Revenue Bonds	0	0	0	6,598	0	0	0	0	6,598
Water Construction Fund	7,543	0	0	0	0	0	0	0	7,543
TOTAL REVENUE:	12,505	280	0	6,598	0	0	0	0	19,383
EXPENDITURE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Planning and Design	233	696	234	600	0	0	0	0	1,763
Construction	2,332	6,952	2,338	5,998	0	0	0	0	17,620
TOTAL EXPENDITURES:	2,565	7,648	2,572	6,598	0	0	0	0	19,383



Dept. of Business Development
Project Worksheet

Project/Contract Title: UPPER FLORIDAN AQUIFER BLENDING WELLS (SIC 16) **RC Date:** 06/25/2008
Project/Contract No: W-903, DIVISION II **Funding Source:** Item No: 3-11
Department: WATER & SEWER DEPARTMENT **AND WA**
Estimated Cost of Project/Bid: \$4,730,000.00 **Resubmittal Date(s):**
Description of Project/Bid: W-903, DIVISION II CONSISTS OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT TWO PRODUCTIONS WELLS TO BE USED TO PROVIDE BLENDING WATER FROM THE FLORIDAN AQUIFER. THE WELLS WILL ALSO BE USED TO MONITOR PRESSURES AND WATER QUALITY IN THE FLORIDAN AQUIFER WHEN THEY ARE NOT BEING USED FOR WATER PRODUCTION. THIS PROJECT IS LOCATED AT MIDWASD'S UPPER MIAMI SPRINGS WELLFIELD, AT DOVE & LENAPE DRIVE, IN THE CITY OF MIAMI SPRINGS, MIAMI-DADE COUNTY, FLORIDA.

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	CSBE	7.72%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a goal is appropriate in the trades of electrical (instrumentation equipment, underground low Voltage Power, Underground Signal, Manholes Precast w/Iron Racks and Pulling Irons, and Switchgear Room) and structural - Drilling Pad, Meter and Valve Vault w/Access Hatches, Power Control Room, Switchgear Room (All Othr Heavy Construction).
 CWP Not Applicable: Not in DTA

Analysis for Recommendation of a Goal

<u>Subtrade</u>	<u>Cat.</u>	<u>Estimated Value</u>	<u>% of Items to Base Bid</u>	<u>Availability</u>
Electrical Contractors	CSBE	\$234,995.86	4.97%	48
All Other Heavy Construction	CSBE	\$129,999.32	2.75%	27
Total		\$364,995.18	7.72%	

Living Wages: YES NO **Highway:** YES NO **Heavy Construction:** YES NO
Responsible Wages: YES NO **Building:** YES NO

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside _____
Set Aside _____ **Level 1** _____ **Level 2** _____ **Level 3** _____
Trade Set Aside (MCC) _____ **Goal** 8% _____ **Bid Preference** _____
No Measure _____ **Deferred** _____ **Selection Factor** _____
 **6/25/08** 
 Chairperson, Review Committee Date County Manager Date

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BUDGET PROJECT 962370 - (As per 2008-2009 Approved Budget)

Project Title: 962370-AQUIFER STORAGE RECOVERY - WELLFIELDS

Project Desc: Improve the West and Southwest Wellfields with ultra-violet disinfection for aquifer storage recovery system of raw water; construct a Hialeah/Preston Floridan Aquifer blending wellfield

	Prior:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	FUTURE:	Total:
Expenditures	3,575,000	9,373,000	7,530,000	3,677,000	0	0	0	0	24,155,000
Revenue	16,357,000	4,090,000	786,000	2,922,000	0	0	0	0	24,155,000

CDPWeb Project Milestones (\$ IN 000'S)

Milestone:	Prior:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	FUTURE:	Total:
Planning/Design	325,000	853,000	685,000	335,000	0	0	0	0	2,198,000
Construction	3,250,000	8,520,000	6,845,000	3,342,000	0	0	0	0	21,957,000

CDPWeb Project Revenue

Revenue:	Prior:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	FUTURE:	Total:
Water Connection Char	1,034,000	4,090,000	786,000	42,000	0	0	0	0	5,952,000
WASD Revenue Bonds So	4,565,000	0	0	0	0	0	0	0	4,565,000
Future WASD Revenue B	0	0	0	2,880,000	0	0	0	0	2,880,000
Water Construction Fu	10,758,000	0	0	0	0	0	0	0	10,758,000

CIIS Site Funding Info

SITE / Location:	Prior:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	FUTURE:	Total:
75001-13680 NW 58 ST 33178	16,357,000	4,090,000	786,000	2,922,000	0	0	0	0	24,155,000

Add GEO Coded Site

PROJECT SITES

SITE SCHEDULES REPORT 20

EXIT

Current Contracts for Project 962370

Dept	ContractNo	Contract Name	RTA / MCC Estimated Allocation	Award / MCC Award Allocation	CIIS Award
WS	W-903 (A), Division II	Upper Floridan Aquifer Blending Wells	\$4,859,000.00	\$0.00	\$0.00
WS	W-847	ASR Ultraviolet Disinfection System at the West and Southwest Well Fields	Cancelled	Cancelled	Cancelled
WS	W-847	ASR Ultraviolet Disinfection System at the West and Southwest Well Fields	Cancelled	Cancelled	Cancelled
WS	W-847	ASR Ultraviolet Disinfection System at the West and Southwest Well Fields	Cancelled	Cancelled	Cancelled
WS	W-847	ASR Ultraviolet Disinfection System at the West and Southwest Well Fields	Cancelled	Cancelled	Cancelled
WS	W-847R (A)	ASR Ultraviolet Disinfection Systems at the West and Southwest Wellfields	\$0.00	\$5,830,800.00	\$5,830,800.00
WS	W-847R (A)	ASR Ultraviolet Disinfection Systems at the West and Southwest Wellfields	\$687,000.00	\$0.00	\$5,830,800.00

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WS	W-847R (A)	ASR Ultraviolet Disinfection Systems at the West and Southwest Wellfields	\$1,925,000.00	\$0.00	\$5,830,800.00
WS	W-847R (A)	ASR Ultraviolet Disinfection Systems at the West and Southwest Wellfields	\$2,088,000.00	\$0.00	\$5,830,800.00
WS	W-903 (A), Division I	Upper Floridan Aquifer Blending Wells	\$8,458,050.00	\$0.00	\$0.00
Total Allocated:			\$18,017,050.00	\$5,830,800.00	

MEMORANDUM



CLERK OF THE BOARD
2008 AUG 27 AM 11:37
CLERK, CIRCUIT & COUNTY COURTS
DADE COUNTY, FLA.
#1

Date: 7/15/2008
To: George M. Burgess
County Manager
From: John W. Renfrow, P.E.
Director
Miami-Dade Water and Sewer Department
John W. Renfrow
Attn: Johnny Martinez, P.E.
Director
Office of Capital Improvements
Subject: Request to Advertise for Upper Floridan Aquifer Blending Wells - Project No: ~~N/A~~,
Contract No: W-903 (A), Division II

W-903 (A), Division II ESP

Recommendation

This request to advertise for construction Contract No. W-903 (A), Division II has been prepared by the Miami-Dade Water and Sewer Department (WASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County. This project is one in a series of projects under the 20-Year Water Use Permit issued by the South Florida Water Management District on November 15, 2007. The project consists of constructing 5 production wells, in 2 different locations, which will be used to provide water from the Floridan Aquifer to blend with Biscayne Aquifer water. It is divided into two separate divisions: W-903 (A), Division I, and W-903 (A), Division II.

Scope

PROJECT NAME: Upper Floridan Aquifer Blending Wells
PROJECT NO: ~~N/A~~ W-903 (A), Division II ESP
CONTRACT NO: W-903(A), Division II

PROJECT DESCRIPTION: Contract No: W-903 (A) for Division I, and W-903 (A) for Division II will be bid simultaneously. Each contract shall be deemed as an individual contract, even if both contracts are awarded to one contractor. The work in both divisions shall progress concurrently to meet the requirements of each division. Bids will be accepted on one or both of the divisions.

The project for W-903 (A), Division II consists of furnishing all labor, materials and equipment necessary to construct 2 production wells to be used to provide blending water from the Floridan Aquifer. The wells will also be used to monitor pressures and water quality in the Floridan Aquifer when they are not being used for water production.

The scope of work for each well includes, but it is not limited to the following: construction of a drilling pad, and wellhead; constructing 4 Biscayne Aquifer monitoring wells; furnishing and installing stainless steel submersible withdrawal pumps, including piping, valves, controls, and instrumentation; Supervisory Control And

RECEIVED

2008 AUG -6 P 4: 30

CAPITAL IMPROVEMENTS

Data Acquisition (SCADA) installation; connections to the existing raw water mains; hydrologic and geologic testing during well construction; performing full well development and aquifer testing; and all other miscellaneous and appurtenant work for a complete project.

It is WASD's intent to obtain a complete, functional, and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

PROJECT LOCATION: Upper Miami Springs Wellfield, at Dove Avenue and Lenape Drive, in the City of Miami Springs, Miami-Dade County, Florida

PROJECT SITES:	<u>LOCATION</u>	<u>DIST</u>	<u>ESTIMATE</u>	<u>T-S-R</u>
	DOVE AVE and LENAPE DR	6	\$4,859,000.00	53-13-40

PRIMARY COMMISSION DISTRICT: District 6 Rebeca Sosa

APPROVAL PATH: Manager's Authority Section 2-8.1 of the Code

USING DEPARTMENT: Miami-Dade Water and Sewer Department

MANAGING DEPARTMENT: Miami-Dade Water and Sewer Department

Fiscal Impact / Funding Source

FUNDING SOURCE:	<u>SOURCE</u>	<u>AMOUNT</u>
	WASD Revenue Bonds Sold, Water Construction Fund, Water Connection Charges and Future WASD Revenue Bonds	\$4,859,000.00

PTP FUNDING: No

GOB FUNDING: No

CAPITAL BUDGET PROJECT:	<u>BUDGET PROJECT / DESCRIPTION</u>	<u>RTA ESTIMATE</u>
	962370-AQUIFER STORAGE RECOVERY - WELLFIELDS Book Page: 293 Funding Year: Adopted Capital Budget Book for FY 2007-08, Prior Years' Funding	\$4,859,000.00

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS: The following license is required: Water Well License issued by the South Florida Water Management District, and/or other categories as applicable to Chapter 489 of the Florida Statutes, or Chapter 10 of the Miami-Dade County Code.

ESTIMATED CONTRACT PERIOD: 365 Days
ESTIMATED CONTINGENCY PERIOD: 37 Days
IG FEE INCLUDED IN BASE CONTRACT: Yes
ART IN PUBLIC PLACES: No
BASE ESTIMATE: \$4,300,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	10%	\$430,000.00	
PERMIT FEES :	\$129,000.00	3.00%		
TOTAL DEDICATED ALLOWANCE:	\$129,000.00			
COST ESTIMATE:	\$4,859,000.00			

Track Record / Monitor

EXPLANATION: Not Applicable. Information will be provided at time of award.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: No

REVIEW COMMITTEE: **MEETING DATE:** 6/25/2008 **SIGNOFF DATE:** 6/25/2008

RESPONSIBLE WAGES: Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	<u>TYPE</u>	<u>GOAL</u>	<u>COMMENT</u>
	CSBE	8.00%	

CWP 0.00% Not Applicable

MANDATORY CLEARING HOUSE: Yes

CONTRACT MANAGER NAME/PHONE/EMAIL:	Alma M. Santiago, P.E.	(786)552-8243	AS1@miamidade.gov
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PROJECT MANAGER NAME/PHONE/EMAIL:	William A. Pitt	786-552-8171	wpitt@miamidade.gov
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BACKGROUND: This project is one in a series of projects under the 20-Year Water Use Permit issued by the South Florida Water Management District on November 15, 2007. The project consists of constructing 5 production wells, in 2 different locations, which will be used to provide water from the Floridan Aquifer to blend with Biscayne Aquifer water. It is divided into two separate divisions: W-903 (A), Division I, and W-903 (A), Division II.

DEPARTMENT BUDGET: Pedro Velar 7/15/08

DEPT BUDGET OFFICER: DATE:

DEPARTMENT FINANCE: Diane Camacho 7/16/08

DEPT FINANCE OFFICER: DATE:

INDEX CODES: W015402

BUDGET APPROVAL FUNDS AVAILABLE: Paul Alfonso 8-6-08 95 OK
OSBM DIRECTOR DATE

CAPITAL IMPROVEMENTS CONCURRENCE: Jonny Martinez, P.E. 8/20/08
OCI DIRECTOR DATE

[Signature] 8/26
ASSISTANT COUNTY MANAGER DATE

CLERK DATE _____
DATE

UPPER FLORIDAN AQUIFER BLENDING WELLS

CONTRACT NO. W-903 (A), DIVISION II

BUDGET PROJECT AND
DESCRIPTION:

962370- AQUIFER STORAGE RECOVERY - WELLFIELDS

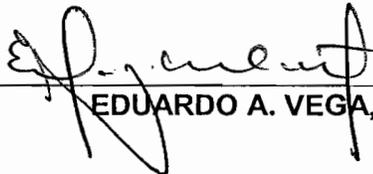
FUNDING SOURCE:

WASD REVENUE BONDS SOLD, WATER CONSTRUCTION
FUND, WATER CONNECTION CHARGES AND FUTURE
WASD REVENUE BONDS

INDEX CODE(S):

W015402

ASSISTANT DIRECTOR,
ENGINEERING AND CAPITAL
IMPROVEMENTS:



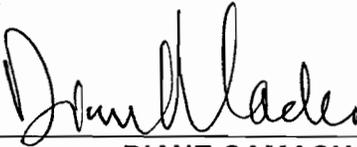
EDUARDO A. VEGA, P.E. 9/15/08
DATE

BUDGET AND CAPITAL
FUNDING COORDINATION:



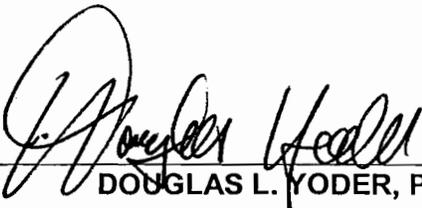
PEDRO VELAR 7/15/08
DATE

ASSISTANT DIRECTOR,
FINANCE:



DIANE CAMACHO 7/24/08
DATE

DEPUTY DIRECTOR,
REGULATORY COMPLIANCE AND
CAPITAL IMPROVEMENTS:



DOUGLAS L. YODER, Ph.D. 7/24/08
DATE



**Dept. of Business Development
Project Worksheet**

Project/Contract Title: UPPER FLORIDAN AQUIFER BLENDING WELLS (SIC 16) **RC Date:** 06/25/2008
Project/Contract No: W-903, DIVISION II **Funding Source:** WASD REVENUE BONDS SOLD
Department: WATER & SEWER DEPARTMENT **Item No:** 3-11
Estimated Cost of Project/Bid: \$4,730,000.00 **Resubmittal Date(s):**
Description of Project/Bid: W-903, DIVISION II CONSISTS OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT TWO PRODUCTIONS WELLS TO BE USED TO PROVIDE BLENDING WATER FROM THE FLORIDAN AQUIFER. THE WELLS WILL ALSO BE USED TO MONITOR PRESSURES AND WATER QUALITY IN THE FLORIDAN AQUIFER WHEN THEY ARE NOT BEING USED FOR WATER PRODUCTION. THIS PROJECT IS LOCATED AT MIDWASD'S UPPER MIAMI SPRINGS WELLFIELD, AT DOVE & LENAPE DRIVE, IN THE CITY OF MIAMI SPRINGS, MIAMI-DADE COUNTY, FLORIDA

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	CSBE	7.72%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a goal is appropriate in the trades of electrical (instrumentation equipment, underground low Voltage Power, Underground Signal, Manholes Precast w/Iron Racks and Pulling Irons, and Switchgear Room) and structural - Drilling Pad, Meter and Valve Vault w/Access Hatches, Power Control Room, Switchgear Room (All Othr Heavy Construction).

CWP Not Applicable: Not in DTA

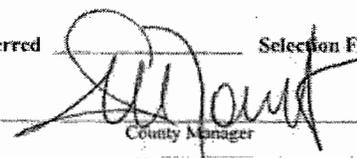
Analysis for Recommendation of a Goal

<u>Subtrade</u>	<u>Cat.</u>	<u>Estimated Value</u>	<u>% of Items to Base Bid</u>	<u>Availability</u>
Electrical Contractors	CSBE	\$234,995.86	4.97%	48
All Other Heavy Construction	CSBE	\$129,999.32	2.75%	27
Total		\$364,995.18	7.72%	

Living Wages: YES NO Highway: YES NO Heavy Construction: YES NO
 Responsible Wages: YES NO Building: YES NO

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier I Set Aside _____
 Set Aside _____ Level 1 _____ Level 2 _____ Level 3 _____
 Trade Set Aside (MCC) _____ Goal 8% Bid Preference _____
 No Measure _____ Deferred _____ Selection Factor _____
 6/25/08 
 Chairperson, Review Committee Date County Manager Date

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services
 DEPARTMENT: Water and Sewer

***** FUNDED PROJECT *****
 (dollars in thousands)

WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION

PROJECT # 9653261

DESCRIPTION: Renovate and replace wastewater treatment plant facilities and structures within plant sites

LOCATION: Systemwide
 Systemwide

DISTRICT LOCATED: Systemwide
 DISTRICT(S) SERVED: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Wastewater Renewal Fund	10,957	7,838	12,454	13,044	16,914	18,000	20,000	20,000	119,207
TOTAL REVENUE:	10,957	7,838	12,454	13,044	16,914	18,000	20,000	20,000	119,207
EXPENDITURE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Planning and Design	763	803	1,183	1,183	1,638	1,638	1,820	1,820	10,848
Construction	7,622	8,019	11,817	11,817	16,362	16,362	18,180	18,180	108,359
TOTAL EXPENDITURES:	8,385	8,822	13,000	13,000	18,000	18,000	20,000	20,000	119,207

Water Projects

AQUIFER STORAGE RECOVERY - WELLFIELDS

PROJECT # 962370

DESCRIPTION: Improve the West and Southwest Wellfields with ultra-violet disinfection for aquifer storage recovery system of raw water; construct a Hialeah/Preston Floridan Aquifer blending wellfield

LOCATION: Systemwide
 Systemwide

DISTRICT LOCATED: Systemwide
 DISTRICT(S) SERVED: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Water Connection Charges	414	280	0	0	0	0	0	0	694
WASD Revenue Bonds Sold	4,548	0	0	0	0	0	0	0	4,548
Future WASD Revenue Bonds	0	0	0	6,598	0	0	0	0	6,598
Water Construction Fund	7,543	0	0	0	0	0	0	0	7,543
TOTAL REVENUE:	12,505	280	0	6,598	0	0	0	0	19,383
EXPENDITURE SCHEDULE:	PRIOR	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	FUTURE	TOTAL
Planning and Design	233	696	234	600	0	0	0	0	1,763
Construction	2,332	6,952	2,338	5,998	0	0	0	0	17,620
TOTAL EXPENDITURES:	2,565	7,648	2,572	6,598	0	0	0	0	19,383

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BUDGET PROJECT 962370

Project Title: 962370-AQUIFER STORAGE RECOVERY - WELLFIELDS

Project Desc: Improve the West and Southwest Wellfields with ultra-violet disinfection for aquifer storage recovery system of raw water; construct a Hialeah/Preston Floridan Aquifer blending wellfield

Project(\$\$ in 000's)	Start:	End:	Prior:	07-08:	08-09:	09-10:	10-11:	Total:
Expenditures	10/1/2006	9/30/2015	2,565	7,648	2,572	6,598	0	19,383
Revenue			0	0	0	0	0	0

Project Type: Capital

Project Path: Regular

CDPWeb Project Milestones (\$ IN 000'S)

Milestone:	Start:	End:	Prior:	07-08:	08-09:	09-10:	10-11:	Total:
Planning/Design	N/A	N/A	233	696	234	600	0	1,763
Construction	N/A	N/A	2,332	6,952	2,338	5,998	0	17,620

CDPWeb Project Revenue (\$ IN 000'S)

Revenue:	Start:	End:	Prior:	07-08:	08-09:	09-10:	10-11:	Total:
Water Connection Char	N/A	N/A	1,034	4,090	786	42	0	5,952

Current Contracts for Project 962370

Dept	ContractNo	Contract Name	RTA Budget Allocation	Award Budget Allocation	CIIS Award
WS	<u>W-847</u>	ASR Ultraviolet Disinfection S	Cancelled	Cancelled	Cancelled
WS	<u>W-847</u>	ASR Ultraviolet Disinfection S	Cancelled	Cancelled	Cancelled
WS	<u>W-847</u>	ASR Ultraviolet Disinfection S	Cancelled	Cancelled	Cancelled
WS	<u>W-847</u>	ASR Ultraviolet Disinfection S	Cancelled	Cancelled	Cancelled
WS	<u>W-847R (A)</u>	ASR Ultraviolet Disinfection S	\$0.00	\$5,830,800.00	\$5,160,000.00
WS	<u>W-847R (A)</u>	ASR Ultraviolet Disinfection S	\$687,000.00	\$0.00	\$5,160,000.00
WS	<u>W-847R (A)</u>	ASR Ultraviolet Disinfection S	\$1,925,000.00	\$0.00	\$5,160,000.00
WS	<u>W-847R (A)</u>	ASR Ultraviolet Disinfection S	\$2,088,000.00	\$0.00	\$5,160,000.00
WS	<u>W-903 (A), Division I</u>	Upper Floridan Aquifer Blending	\$8,458,050.00	\$0.00	\$0.00
WS	<u>W-903 A, Division II</u>	Upper Floridan Aquifer Blending	\$4,859,000.00	\$0.00	\$0.00

Total Allocated: \$18,017,050.00 \$5,830,800.00

Current Sites for Project 962370

Site	Location
75001	13680 NW 58 ST 33178

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2007-08 CAPITAL BUDGET
(dollars in thousands)

Strategic Area / Department	Status	Prior Years	2007-08					07-08 Total	Future	Projected Total Cost
			Bonds	State	Federal	Gas Tax	Other			
VIRGINIA KEY LANDFILL STUDY AND CLOSURE GRANT	F	28,285	0	0	0	0	250	250	17,800	46,335
WEST MIAMI-DADE TRANSFER STATION TIPPING FLOOR	B	150	0	0	0	0	300	300	200	650
WEST MIAMI-DADE WASTE TRANSFER STATION REPLACEMENT OF FOURTH CRANE	D	100	0	0	0	0	180	180	0	280
WEST/SOUTHWEST TRASH AND RECYCLING CENTER	C	191	0	0	0	0	182	182	1,627	2,000
Department Total		100,979	1,056	4,787	0	0	10,003	15,846	107,466	224,291
<u>Team Metro</u>										
ABANDONED VEHICLE REMOVAL IN THE UNINCORPORATED MUNICIPAL SERVICE AREA	F	0	0	0	0	0	15	15	0	15
ELECTRONIC TICKETING SYSTEM	E	0	0	0	0	0	352	352	0	352
LOT CLEARING IN THE UNINCORPORATED MUNICIPAL SERVICE AREA	F	0	0	0	0	0	400	400	0	400
OFFICE RELOCATION BUILDOUT	F	0	0	0	0	0	250	250	0	250
UNSAFE STRUCTURES BOARD-UP AND DEMOLITION	F	0	0	0	0	0	25	25	0	25
Department Total		0	0	0	0	0	1,042	1,042	0	1,042
<u>Water and Sewer</u>										
AQUIFER STORAGE RECOVERY - WELLFIELDS	D	2,565	1,983	0	0	0	5,665	7,648	9,170	19,383
BISCAYNE BAY COASTAL WETLANDS REHYDRATION (52 MGD)	N	0	0	0	0	0	0	0	621,000	621,000
CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	D	1,569	183	0	0	0	1,660	1,843	46,553	49,965
CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATION IMPROVEMENTS	D	2,228	0	0	0	0	530	530	76,470	79,228
CENTRAL MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS	D	6,696	0	0	0	0	994	994	21,012	28,702
CORROSION CONTROL FACILITIES IMPROVEMENTS	D	11,270	800	0	0	0	0	800	6,753	18,823
GRAVITY SEWER RENOVATIONS	D	28,586	0	0	0	0	6,820	6,820	33,756	69,162
LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	D	6,292	0	0	0	0	5,439	5,439	58,552	70,283
NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	D	823	692	0	0	0	233	925	11,784	13,532
NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	D	2,664	37	0	0	0	543	580	0	3,244
NORTH MIAMI-DADE WATER TRANSMISSION MAIN IMPROVEMENTS	D	86	700	0	0	0	200	900	23,010	23,996
PEAK FLOW MANAGEMENT FACILITIES	D	30,899	0	0	0	0	3,328	3,328	345,975	380,202
PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES	D	200	0	0	0	0	0	0	8,000	8,200
PUMP STATION IMPROVEMENTS PROGRAM	D	26,340	4,664	0	0	0	9,216	13,880	50,772	90,992
SAFE DRINKING WATER ACT MODIFICATIONS (D-DBP)	D	38,769	0	0	0	0	0	0	0	38,769
SAFE DRINKING WATER ACT MODIFICATIONS- SWT RULE AND D-DBP	D	3,250	3,201	0	0	0	3,100	6,301	135,086	144,637
SANITARY SEWER SYSTEM EXTENSION	D	14,933	1,965	0	500	0	6,665	9,130	127,551	151,614
SANITARY SEWER SYSTEM IMPROVEMENTS	D	1,395	0	0	0	0	800	800	6,104	8,299
SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	D	0	0	0	0	0	0	0	3,800	3,800

* STATUS: A=Land/Building Acquisition; B=Planning/Design; C=Construction; D=Planning/Design/Construction; E=Equipment Acquisition; F=Other

MIAMI-DADE WATER AND SEWER DEPARTMENT
 Projection by Project Sub-project by Year - Water
 As of: 9/30/2007

Proj	Sub-Proj	Sub-Proj	Fund Status	Current Bond/Fund Allocation	Expenditures As of 9/30/2007	Encumb.	Remaining Bond/Fund Allocation	PROJECTIONS										Total	
								2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017		
1077	101575	CONSTRUCTION MANAGEMENT AT SOUTH MIAMI HEIGHTS WTP	A	1,875,000	0	0	1,875,000	1,208,000	334,000	333,000									1,875,000
		EW251 A		3,055,000	0	0	3,055,000	375,000	2,680,000										3,055,000
		TOTAL - 101575		4,930,000	0	0	4,930,000	1,583,000	3,014,000	333,000	0	0	0	0	0	0	0	0	4,930,000
		TOTAL - 1077		99,706,567	12,751,197	0	86,955,370	4,215,663	15,057,242	34,216,818	21,180,343	12,285,102	0	0	0	0	0	0	86,955,368
1078	101368	TELEMETERING SYSTEM WATER	A	5,796,136	796,136	0	5,000,000	500,000	2,600,000	400,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	5,000,000
		TOTAL - 101368		5,796,136	796,136	0	5,000,000	500,000	2,600,000	400,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	5,000,000
		TOTAL - 1078		5,796,136	796,136	0	5,000,000	500,000	2,600,000	400,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	5,000,000
1079	101192	HIACLEAH/PREST ON FLORIDAN AQUIFER BLENDING WELLFIELD	F	2,880,000	0	0	2,880,000		2,880,000										2,880,000
		EW223 A		3,295,418	22,776	0	3,272,642	57,370	3,215,272										3,272,642
		EW244 A		180,462	92,680	0	87,782	87,782											87,782
		EW251 A		6,759,576	0	0	6,759,576	471,758	2,787,818	3,500,000									6,759,576
		TOTAL - 101192		13,114,456	115,455	0	13,000,001	616,910	6,003,090	3,500,000	2,880,000	0	0	0	0	0	0	0	13,000,000
1079	101437	ASR - UV DISINFECTION SYSTEM FOR ASR SYSTEM AT MIAMI-DADE COUNTY WEST AND SOUTHWEST WELLFIELD	A	372,866	92,585	0	280,281		280,281										280,281
		EW242 A		3,382,827	668,032	0	2,714,795	219,719	2,495,076										2,714,795
		EW251 A		3,999,038	0	0	3,999,038	3,244,134	754,924										3,999,038
		TOTAL - 101437		7,754,751	760,616	0	6,994,135	3,464,150	3,244,134	754,924	0	0	0	0	0	0	0	0	6,994,134

Prepared by Capital Planning and Coordination Section
 Page 22 of 24

12-Feb-08

Projection by Proj/Sub by Year Report A or F Water All

PROPOSED PROJECTS TO ACCELERATE
CONSTRUCTION STIMULUS PROGRAM
SORTED AND SUB-TOTALED BY DEPARTMENT

PAGE NO FROM 2008 CAPITAL BUDGET BOOK	DEPT	COMMISSION DISTRICT	PROJECT NAME	PROJECT DESCRIPTION	PROJECT LOCATION	CONSTRUCTION PHASE(S)	CURRENT STATUS	PROPOSED ADVERTISE DATE	PROPOSED DESIGN/CONSTRUCTION START DATE	ESTIMATED PROJECT COST
564	WASD	8,9	WATER DISTRIBUTION SYSTEM EXTENSION /SANITARY SEWER SYSTEM EXTENSION	16" and 12" water mains, 10" and 8" gravity sewer mains and 12" force main. GOB 71799, GOB 71791. Perrine/Culter Ridge Basin B.	SW 174 ST. W. OF S.B. US 1. E. OF MDX-Busway, 181 TERR/ WAYNE AVE.	Construction	Specs	10/1/08	4/15/09	\$6,328,400
Operating Revenues	WASD	7	WATERWAY CANAL REPAIR	Sheeting & Embankment Repair	Coral Gables Canal on SW 48 St. and Billmore Way.	Construction	Under the Cone of Silence	6/5/2008 (Actual)	10/17/08	\$263,109
565	WASD	Multiple (12 and 6)	AQUIFER STORAGE RECOVERY (ASR) - WELLFIELDS	Blending Wells - Northwest Wellfield & Miami Springs Contract W-903	NWWF - 5901 NW 136 AVE.; UPPER MIAMI SPRINGS WELLFIELD -Dove Ave. between Apache St. & Lenape Dr.	Construction	Review Committee 6/25/08	8/1/08	12/15/08	\$10,000,000
564	WASD	9	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	Upgrade of Sewage Pumping Station P.S.# 1132	28250 S.W. 122 Ave.	Construction	Contractor Selection	8/15/08	11/30/08	\$532,000
564	WASD	5	WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS /SANITARY SEWER SYSTEM EXTENSION	16" & 14" San. Swr in SW 18 Rd. Contract S-821	Sw 4 Ave. from Sw 11 to SW 18 St.	Construction	Going to Review Committee on 8/6/08	8/25/08	12/22/08	\$3,325,000
564	WASD	6	WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS /SANITARY SEWER SYSTEM EXTENSION	Design and Construction of 8" WM. Replacing undersized WM, QN-26A	S. Waterway Dr Between SW 67-69 Avenue & SW 68 Avenue Between S. Waterway Dr. & SW 40 ST.	Design/Construction	Contractor Selection	8/25/08	10/27/08	\$652,493
564	WASD	8	WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS /SANITARY SEWER SYSTEM EXTENSION	16" FM in SW 87 Ave (120 - 132 ST) CONTRACT S-778	SW 87 Ave. from SW 132 St. to Sw 120 St	Construction	Review Committee 6/25/08	7/29/08	11/3/08	\$1,531,200

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