

OTAY WATER DISTRICT
ENGINEERING, OPERATIONS & WATER RESOURCES COMMITTEE MEETING
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
Board Room

Thursday
March 12, 2009
11:30 A.M.

This is a District Committee meeting. This meeting is being posted as a special meeting in order to comply with the Brown Act (Government Code Section §54954.2) in the event that a quorum of the Board is present. Items will be deliberated, however, no formal board actions will be taken at this meeting. The committee makes recommendations to the full board for its consideration and formal action.

AGENDA

1. ROLL CALL
2. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

INFORMATION / ACTION ITEMS

3. APPROVE CHANGE ORDER NO. 1 TO THE CONTRACT WITH NEWest CONSTRUCTION COMPANY, INC. FOR THE CONSTRUCTION OF THE 450-1 RESERVOIR DISINFECTION PROJECT IN AN AMOUNT NOT-TO-EXCEED \$58,000 (RIPPERGER) [5 minutes]
4. APPROVE CHANGE ORDER NO. 1 TO THE EXISTING CONTRACT WITH LEE & RO, INC. FOR THE DESIGN OF THE 36-INCH PIPELINE/SDCWA OTAY FCF NO. 14 TO THE REGULATORY SITE PROJECT IN AN AMOUNT NOT-TO-EXCEED \$61,629 (RIPPERGER) [5 minutes]
5. APPROVE CHANGE ORDER NO. 3 TO THE CONTRACT WITH PBS&J FOR THE 2009 WATER RESOURCES MASTER PLAN UPDATE AND PROGRAM ENVIRONMENTAL IMPACT REPORT PROJECT IN AN AMOUNT NOT-TO-EXCEED \$45,732 (RIPPERGER/KENNEDY) [5 minutes]
6. APPROVE THE INCREASE OF THE PROJECT BUDGETS FOR THE 20-INCH LANE AVENUE CONVERSION PROJECT(R2081) FROM \$1,090,000 TO \$1,160,000; THE CALAVO SEWER LIFT STATION REPLACEMENT PROJECT (S2015) FROM \$526,000 TO \$560,000; AND THE MATERIAL STORAGE BINS PROJECT (P2465) FROM \$250,000 TO \$310,000 (RIPPERGER/KAY) [5 minutes]

7. INFORMATIONAL REPORT ON THE STATUS OF THE ON-GOING COORDINATION WITH THE POINTE AND GOSNELL BUILDERS CONCERNING THE INSTALLATION OF A 42-INCH PIPELINE IN THE JAMACHA BOULEVARD RIGHT-OF-WAY (RIPPERGER) [5 minutes]
8. INFORMATIONAL REPORT REGARDING CORRESPONDENCE FROM SWEETWATER AUTHORITY (SWA), DATED FEBRUARY 25, 2009, CONCERNING THEIR REVIEW AND REPORT TO THE SWA BOARD ON THE OTAY WATER DISTRICT'S NORTH DISTRICT RECYCLED WATER CONCEPT STUDY AND MIDDLE SWEETWATER GROUNDWATER EXTRACTION STUDY'S REQUEST FOR PROPOSAL (RIPPERGER/COBURN-BOYD) [10 minutes]
9. MID-YEAR FISCAL YEAR 2009 STRATEGIC PLAN AND PERFORMANCE MEASURES UPDATE (STEVENS) [10 minutes]
10. ADJOURNMENT

BOARD MEMBERS ATTENDING:

Gary Croucher, Chair
Larry Breitfelder

All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

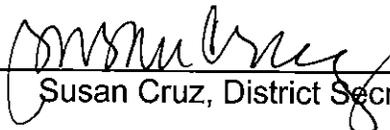
The Agenda, and any attachments containing written information, are available at the District's website at www.otaywater.gov. Written changes to any items to be considered at the open meeting, or to any attachments, will be posted on the District's website. Copies of the Agenda and all attachments are also available through the District Secretary by contacting her at (619) 670-2280.

If you have any disability that would require accommodation in order to enable you to participate in this meeting, please call the District Secretary at 670-2280 at least 24 hours prior to the meeting.

Certification of Posting

I certify that on March 9, 2009 I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of Otay Water District, said time being at least 24 hours in advance of the meeting of the Board of Directors (Government Code Section §54954.2).

Executed at Spring Valley, California on March 9, 2009.



Susan Cruz, District Secretary

AGENDA ITEM 3



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009
SUBMITTED BY:	Ron Ripperger <i>[Signature]</i> Engineering Manager	PROJECT / SUBPROJECT:	R2092- DIV. 1 001103 NO.
APPROVED BY: (Chief)	Rod Posada <i>[Signature]</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>[Signature]</i> Assistant General Manager of Engineering and Operations		
SUBJECT:	Change Order No. 1 to the Contract with NEWest Construction Company, Inc. for the 450-1 Reservoir Disinfection Facility Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board approve Change Order No. 1 to the existing contract with NEWest Construction Company, Inc. (NEWest) for construction of the 450-1 Reservoir Disinfection Project, in an amount not to exceed \$58,000 (see Exhibit A for project location).

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to execute Change Order No. 1 (see Exhibit B) in an amount not to exceed \$58,000 to the contract with NEWest for construction of the 450-1 Reservoir Disinfection Project.

ANALYSIS:

At the October 9, 2008 Board Meeting, NEWest was awarded the construction contract for the 450-1 Reservoir Disinfection Project. The purpose of this project is to enable staff to disinfect the recycled water received from the City of San Diego. The project Notice to Proceed (NTP) was issued on November 3, 2008, with a scheduled completion date of May 2, 2009 (180 calendar days). Overall, based on progress payment requests earned to date, construction is 64% complete.

The installation of the vault for this project was a very time sensitive item of work. Due to the proximity of the proposed vault location to the 450-1 reservoir ringwall, it was decided during design to complete this item of work only when the reservoir was drained and out of service. Therefore, construction of the vault was coordinated with the reservoir's 11th month warranty inspection to minimize any possibility of settlement of the existing soil under the reservoir. No pothole information was available during design due to the concern of excavating when the reservoir was full.

During installation of the vault, an electrical ductbank was encountered, which was not shown on the construction drawings. However, this ductbank was shown on the 450-1 Reservoir record drawings. Ultimately, the ductbank caused a conflict with the proposed vault installation and the vault had to be relocated approximately 15-feet to the west in order to miss the electrical utility. In addition, the static mixer to be installed within the vault did not fit properly with the existing CML&C pipe which caused some additional welding and delay to the project.

In order to complete the vault installation and static mixer installation within the shutdown period and allow time to put the reservoir back in service, NEWest had to perform their work on a 24-hour basis which included weekend time. Although the vault would have had to be installed at the revised location anyway the design engineer recognized the omission in their plans which required the District to pay premium time for this additional work. Due to the omission the design engineer has agreed to reimburse the District \$15,000 to the cost of this Change Order.

Change Order No. 1 provides reimbursement to the contractor in a net amount not to exceed \$58,000 for relocation of the static mixer vault and field connection modifications to the static mixer. In addition, this Change Order covers the cost to construct a 3-foot high block retaining wall around the back of the vault and to remove and replace an existing curb and gutter as part of the vault installation.

The following is a table summarizing the value for each of the above items:

Item	Issue	Amount
1	Static Mixer Vault/Utility Relocations & Connection Modifications to the Static Mixer	\$48,000.00
2	Removal & Replacement of Curb & Gutter and 3-foot High Block Retaining Wall.	\$10,000.00
	Total:	\$58,000.00

This Change Order will extend the contract completion date for the project from April 2, 2009 to June 30, 2009 to account for the additional work required.

FISCAL IMPACT: _____

The approved total budget for CIP R2092, as approved in the FY 2009 budget, is \$830,000. Expenditures to date are \$310,249. Total commitments to date, including this Change Order, are approximately \$637,065 (see Attachment B for budget detail).

The Project Manager anticipates, based on the attached financial analysis, that the budget will be sufficient to support this project.

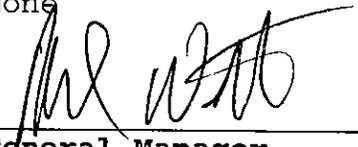
Finance has determined that 100% of the funding for this project is available from the Betterment Fund.

STRATEGIC GOAL:

This project supports the District's Mission statement, "To provide the best quality of water and wastewater services to the customers of Otay Water District, in a professional, effective, efficient, and sensitive manner..." This project fulfills the District's Strategic Goals No. 1 - Community and Governance, and No. 5 - Potable Water, by maintaining proactive and productive relationships with the project stakeholders and by guaranteeing that the District will provide for current and future water needs.

LEGAL IMPACT: _____

None



General Manager

P:\WORKING\CIP R2092 - 450-1 Reservoir Disinfection Fac\Staff Reports\BD 04-01-09, Staff Report, NEWest C.O. #1 for Static Mixer Relocation-Retaining Wall, (GV-RR).doc

GV/RR:jf

- Attachments: Attachment A
Attachment B
Exhibit A
Exhibit B



ATTACHMENT A

SUBJECT/PROJECT: R2092-001103	Change Order No. 1 to the Contract with NEWest Construction Company, Inc. for the 450-1 Reservoir Disinfection Facility Project
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COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTE:

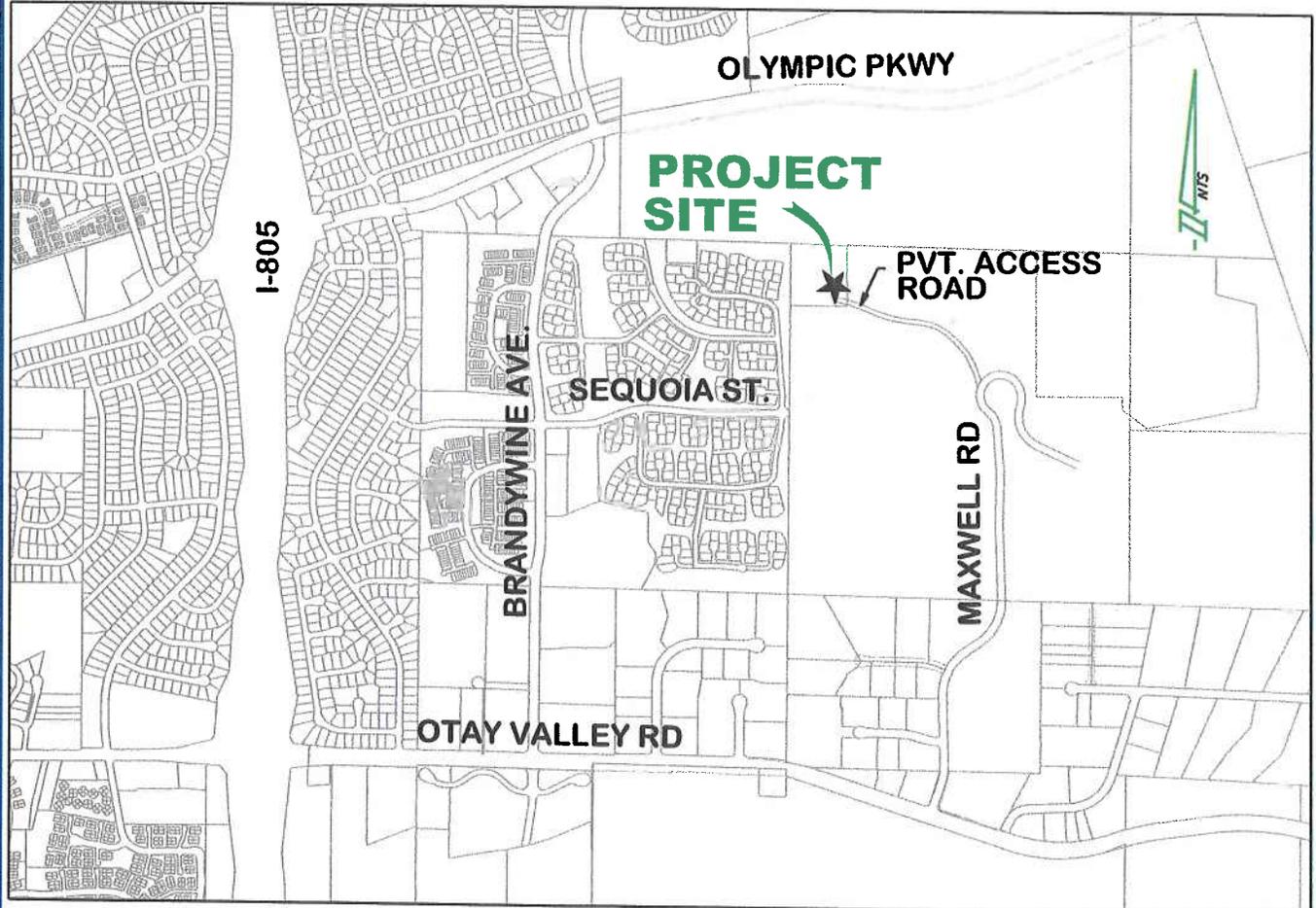
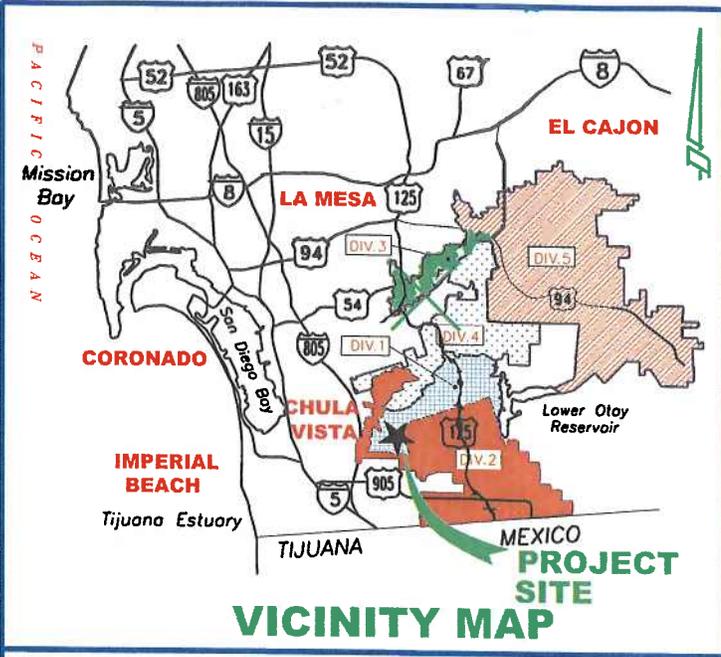
The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.



ATTACHMENT B

SUBJECT/PROJECT:	Change Order No. 1 to the Contract with NEWest Construction Company, Inc. for the 450-1 Reservoir Disinfection Facility Project
R2092-001103	

Otay Water District					Date Updated: Feb. 27, 2009
R2092 - Dis- 450-1 Reservoir Disinfection Facility					
Budget	Committed	Expenditures	Outstanding Commitment & Forecast	Projected Final Cost	Vendor / Comments
\$830,000					
Planning					
In House/Labor	57,348	57,348		57,348	
Regulatory Agency Fee	50	50	-	50	San Diego County
Consultant Contracts	44	44	-	44	Lee & Ro Inc.
			-	-	
			-	-	
			-	-	
			-	-	
			-	-	
			-	-	
Total Planning	\$ 57,442	\$ 57,441	\$ -	\$ 57,441	
Design					
In House/Labor	53,904	53,904		53,904	
Consultant Contracts	47,752	47,752	-	47,752	Lee & Ro Inc.
	1,440	1,440	-	1,440	Swinerton Management
Professional Legal Fees	83	83	-	83	Garcia, Calderon & Ruiz LLP
Service Contracts	96	96	-	96	San Diego Daily Transcript
	455	455	-	455	Union Tribune Publishing Co
	1724	1590.37	134	1,724	Mayer Reprographics Inc
			-	-	
			-	-	
Total Design	\$ 105,454	\$ 105,321	\$ 134	\$ 105,455	
Construction					
In House/Labor	55,185	35,185	20,000	55,185	
Materials	915	915	-	915	Quantum Automation
	8,484	8,484	-	8,484	Siemens Water Technology Corp
Construction Contracts	3,720	3,720	-	3,720	Valley Construction Management
	308,579	89,264	219,314	308,579	Newest Construction
Change Order No. 01	58,000	-	58,000	58,000	Newest Construction
	34,287	9,918	24,368	34,287	California Bank & Trust
			-	-	
Project Closeout	5,000		5,000	5,000	
Total Construction	\$ 474,169	\$ 147,486	\$ 326,683	\$ 474,169	
Grand Total	\$ 637,065	\$ 310,249	\$ 326,816	\$ 637,065	



OTAY WATER DISTRICT

450-1 RESERVOIR
DISINFECTION FACILITY

R2092

EXHIBIT A

COPY

OTAY WATER DISTRICT

2554 SWEETWATER SPRINGS BLVD., SPRING VALLEY, CA. 91978, (619) 670-2222

OTAY
WATER DISTRICT
RECEIVED

2009 MAR -6 AM 9: 58

CONTRACT/P.O. CHANGE ORDER No. 01

PROJECT/ITEM: 450-1 Reservoir Disinfection Facility
CONTRACTOR/VENDOR: NEWest Construction Company
APPROVED BY: Board

REF.CIP No.: R2092-001103

REF. P.O. No: 709663

DATE: 4-Mar-09

DESCRIPTION:

On November 18, 2008, to avoid an existing electrical ductbank and 8-inch potable water pipeline, the static mixer/static mixer vault for the subject project was relocated to the west (RFP No. 1). In addition to the potable water and utility relocation work, the connections to the specified 30-inch outside diameter National Pipe Standard (NPS) static mixer did not match the 30-inch inside diameter of the existing cement mortar lined and coated (CMLC) pipe. To connect the 30-inch NPS static mixer to the existing 30-inch CMLC piping, field welders were used to "build up" the outer dimension of the static mixer to match the outside dimension of the 30-inch CMLC pipe.

The revised location of the static mixer vault; offsetting of the potable water pipeline; and modifying of the static mixer welded connections resulted in:

- additional asphalt removal and replacement;
- a revised/larger shoring system;
- additional excavation;
- relocation of a 8-inch potable water pipeline, a 3-inch sewer pipeline, and a 2-inch cathodic protection conduit; and
- a larger crane to reach and set the mixer equipment and vault.

Due to the limited 4-day shutdown period, the above described field work was authorized to be completed on a 24 hours/day and weekend work basis.

The revised vault location also resulted in the vault being "pushed" partially into a steep slope, which required the removal and replacement of 15-feet of existing curb and PCC gutter, and the construction of a 3-feet high block retaining wall around the back of the vault (RFP No. 2).

See attached Request For Proposal No. 1 from Damon Braden (OWD) dated 11/20/08 (attachment A)
See attached Change Order Proposal from Mark Jennette (NEWest) dated 02/06/09 (attachment B)
See attached Request For Proposal No. 2 from Bob Kennedy (OWD) dated 12/31/08 (attachment C).
See attached Change Order Proposal from Mark Jennette (NEWest) dated 01/09/09 (attachment D).

REASON:

The scope of work described above was not included in the "as-bid" contract documents.

CHANGE P.O. TO READ:

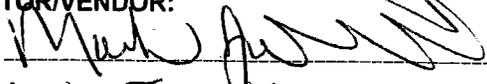
Revise contract to add \$58,000.00 for a total contract amount of \$400,856.00.

ORIGINAL CONTRACT/P.O. AMOUNT:	\$	342,856.00
ADJUSTED AMOUNT FROM PREVIOUS CHANGE:	\$	0.00
TOTAL COST OF THIS CHANGE ORDER:	\$	58,000.00
NEW CONTRACT/P.O. AMOUNT IS:	\$	400,856.00
ORIGINAL CONTRACT COMPLETION DATE:		April 2, 2009
CONTRACT/P.O. TIME AFFECTED BY THIS CHANGE:		Yes
REVISED CONTRACT COMPLETION DATE:		June 30, 2009

EXHIBIT B

IT IS UNDERSTOOD WITH THE FOLLOWING APPROVALS, THAT THE CONTRACTOR/VENDOR IS AUTHORIZED AND DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES. IT IS ALSO AGREED THAT THE TOTAL COST FOR THIS CHANGE ORDER CONSTITUTES FULL AND COMPLETE COMPENSATION FOR OBLIGATIONS REQUIRED BY THE CONTRACT/P.O. ALL OTHER PROVISIONS AND REQUIREMENTS OF THE CONTRACT/P.O. REMAIN IN FULL FORCE AND EFFECT.

CONTRACTOR/VENDOR:

SIGNATURE: 
NAME: Mark Jenette
TITLE: Project manager DATE: 3/5/09
ADDRESS: 7847 Dunbrook Rd. Ste "C"
San Diego, CA 92126

STAFF APPROVALS:

PROJ. MGR: _____ Sr Eng (Int) DATE: _____
DIV. MGR: _____ DATE: _____
CHIEF: _____ DATE: _____
ASST. GM: _____ DATE: _____

DISTRICT APPROVAL:

GEN. MANAGER: _____ DATE: _____

COPIES: FILE (Orig.), CONTRACTOR/VENDOR, CHIEF-ENGINEERING, CHIEF-FINANCE, ENGR. MGR.
 ACCTS PAYABLE, INSPECTION, PROJ. MGR., ENGR. SECRETARY, PURCHASING, PROJECT BINDER

CHANGE ORDER LOG

450-1 Reservoir Disinfection Facility
 Contractor: NEWest Construction Company, Inc.

Project: R2092
 Subproject: 001103
 P.O. #: 709663

		APPROVED			
C.O.	AMOUNT	BY	DATE	DESCRIPTION	TYPE C.O.
1	\$58,000.00	Board	4/1/2009	To avoid an existing electrical utility conflict, the project static mixer vault was relocated 3-feet to the west. To avoid an existing 8" potable water pipeline, the water line was relocated. The connections to the specified 30" O.D. NPS static mixer did not match the existing 30" I.D. CMLC piping, and the static mixer connections were modified in the field. The revised static mixer location relocated the vault partially into a steep slope, which required the removal & replacement of an existing curb & gutter; and the construction of a 3-foot high block retaining wall.	Contractor
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Total C.O.'s To Date: \$58,000.00 16.9%

Original Contract Amount: \$342,865.00

Current Contract Amount: \$400,865.00

Change Order Breakdown for the Month:

Month	Net C.O.\$	Limit	Authorization	Absolute C.O.\$	Absolute C.O. %
3/09	\$0.00	\$2,000/2%	Inspector	\$0.00	0.0%
		\$10,000/10%	PM/Supervisor	\$0.00	0.0%
		\$20,000/20%	DivM	\$0.00	0.0%
		\$25,000/25%	Chief	\$0.00	0.0%
		\$35,000/35%	Assistant GM	\$0.00	0.0%
		\$50,000/50%	GM	\$0.00	0.0%
		>\$50,000	Board	\$0.00	0.0%



**FIELD DIRECTIVE
MEMORANDUM**

*R2092
Change Order No. 01
Attachment A
2/27/09*

TO: NEWest Construction Company, Inc.
Brian Jennette and Clem Miner

Proj. No. R2092

FROM: Damon Braden *DB*

Date 20 November 2008

SUBJ: Utilities in vault footprint
RFP No. 01

This Memorandum hereby directs NEWest Construction Company, Inc. to proceed with the scope of work described on the RFP transmitted with this Memorandum. This Memorandum also affirms that Otay Water District intends to compensate NEWest Construction Company, Inc. a reasonable and fair amount for all legitimate work that is in addition to the Contract Documents.

Specific direction concerning particular elements of the work may be given to representatives of NEWest Construction Company, Inc. at the job site either in written or verbal form to help expedite the completion of the static mixer vault installation.

cc: Ron Ripperger



Otay Water District
September 29, 2008
2554 Sweetwater Springs Blvd.
Spring Valley, CA 91978
(858) 670-2222
Fax (858) 670-8920

REQUEST FOR PROPOSAL # 01

Date: 112008
To: NEWest Construction Company, Inc.
Fax: 858.537.9653
Attn: Brian Jennette and Clem Miner
From: Damon Braden
Subject: Utilities in vault footprint

Project Name: 450-1 Disinfection
C.I.P. No.: R2092
Contractor: NEWest Construction Company, Inc.

Reference Drawings: Sheet C-1 Yard Piping Plan
Ref. Spec. Section: _____
Referenced RFI: _____

Description: _____
 Shop drawings required
 No Shop drawings required

Please prepare a lump sum proposal to furnish all required labor, material, and equipment necessary to implement the following items:

Relocate existing 8-inch water line approximately 3-feet laterally to clear the static mixer vault. Excavate additional area to move static mixer vault to clear electrical conduit. Remove and replace irrigation lines within additional excavation area. Remove and replace ribbon gutter adjacent to vault. Construct approximately 2-feet high retaining wall the width of the vault.

- Please submit a lump sum cost proposal for this adjustment to your construction contract by *2 December 2008*. Your proposal should include a complete detailed breakdown of labor man-hours, materials, equipment, and all other related costs which would be basis for negotiation and agreement in an adjustment to the contract price.
- Please separately quantify the impact, if any, the above described scope of work will have upon work hours to achieve completing backfilling of the vault area by 23 November 2008.
- Other requirements to be included are:

By: Damon Braden Date: 112008

cc:

1"=5'

RELOCATE 3" PVC FORCE MAIN TO CLEAR IMPROVEMENTS

EXIST. 8" PVC TO BE RELOCATED

EXIST. 40K. EXPOSED CONDUITS IN PLACE PROTECT
R/W 30"

POC
INSTALL 46" DIA. 22' BELL
BREAK

8.3'

POC FORCE MAIN

SHOESING LIMITS

6' PRECAST VAULT

POC FORCE MAIN

21.7' ~ 8" PVC

APPROX. 8" PVC SEWER

POC
22 1/2' BELL

RELOCATE PRECAST VAULT

1"=5'

11/18/08

R2092
 Change Order No. 01
 Attachment (B) 2/27/09

Cost Proposal		450-1 Reservoir Disinfection Facility	
DESCRIPTION		OTAY WATER DISTRICT	
Relocate Static Mixer and Vault (REVISED)			
PRIME CONTRACTOR			
1	MATERIALS		\$2,865
2	SALES TAX	7.75%	\$222
3	LABOR		\$15,618
4	PAYROLL TAXES AND INSURANCE	35.18%	\$5,494
5	EQUIPMENT		\$4,843
6	SALES TAX	7.75%	\$375
7	SUB-TOTAL		\$29,417
8	FIELD OVERHEAD		\$29,417
9	SUBTOTAL		\$29,417
10	SUBCONTRACTOR TOTAL		\$13,433
11	PRIME CONTACTOR FEE (PRIME WOR	15%	\$4,413
12	PRIME CONTACTOR FEE (SUB WORK)	5%	\$672
13	SUB-TOTAL		\$47,934
14	BOND PREMIUM	1%	\$479
15	TOTAL		\$48,414
			<u>\$48,000.00</u>
Time Extension Request			
DATE 2/6/2009		SIGNATURE	
		Mark Jennette	
		Project Manager	
		NEWest Construction Company	
		7964 Arjons Dr.	
		Suite A	
		San Diego, CA 92126	

DATE 2/6/2009

Mark Jennette

Agreed \$48,000.00
 Mark Jennette (NEWest)
 Glean C. Vite (OWD)
 2/27/09

1	Material Description	Dimensions			Quantity	Unit	Material		Labor		EQ/Total		Subs	
							Unit	Total	Unit	Total	Unit	Total	Unit	Total
							Cost		Cost		Cost		Cost	
	Original Bld Credit													
2	Trench Length				75	lf								
3	Asphalt Repair				115	sf								
4	Crushed Rock	8	8	0.50	2	tn	-30	-68						
5	CIP Base	8	8	2.50	6	cy	-150	-889						
6	Lumber				300	ls	-1	-300						
7	Carpenter				-16	hrs			62.09	-993				
8	Operator				-32				72.42	-2,317				
9	Laborer	3			-96				61.10	-4,906				
10	Laborer OT				-24	hrs			16.00	-384				
11														
12	Backhoe				-0.25	mnth					3500	-875		
13	Compactor				-0.25	mnth					900	-225		
14	Field Truck				-0.25	mnth					1500	-375		
15	Saw				-1	day					100	-100		
16	Roller				-1	day					100	-100		
17	Asphalt				-4	tn	80	-343						
18														
19	Trucking				-4	hrs							100	-400
20	Disposal				-2	ea	100	-200						
21	Welder				-8	hrs							100	-800
22	Bedding	75	1	3	-13	tn	30	-400						
23														
24	Shoring				-1	ls							\$1,200	-\$1,200
25														
26														
44														
45														
	TOTAL						Material		Labor		Eq/Total		Subs	
							-\$2,200		-\$8,600		-\$1,675		-\$2,400	

Bob Kennedy

From: Bob Kennedy
Sent: Wednesday, December 31, 2008 3:12 PM
To: 'mjennette@newestco.com'
Cc: Doug Marple
Subject: FW: 450-1 Vault Site Retaining Wall and Swale Details

R 2092
Change Order No. 01
Attachment ©
2/27/09

Mark,

(RFP No. 2)

We have sketched up the wall and the swale around the vault. Attached is a copy of the sketch and the wall and curb details for around the vault. Can you cost out the extra work and send us a proposal for the extra work. We will want to see allowance for the planed pavement and swale removal and replacement with the proposal. Call if you have any questions.

Bob Kennedy, P.E.
Associate Civil Engineer
Phone: (619) 670-2273
Cell: (619) 987-6368
Fax.: (619) 660-2513
bob.kennedy@otaywater.gov

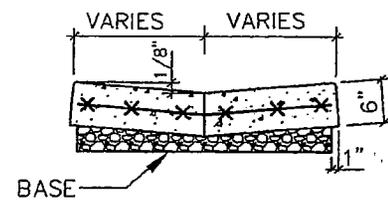
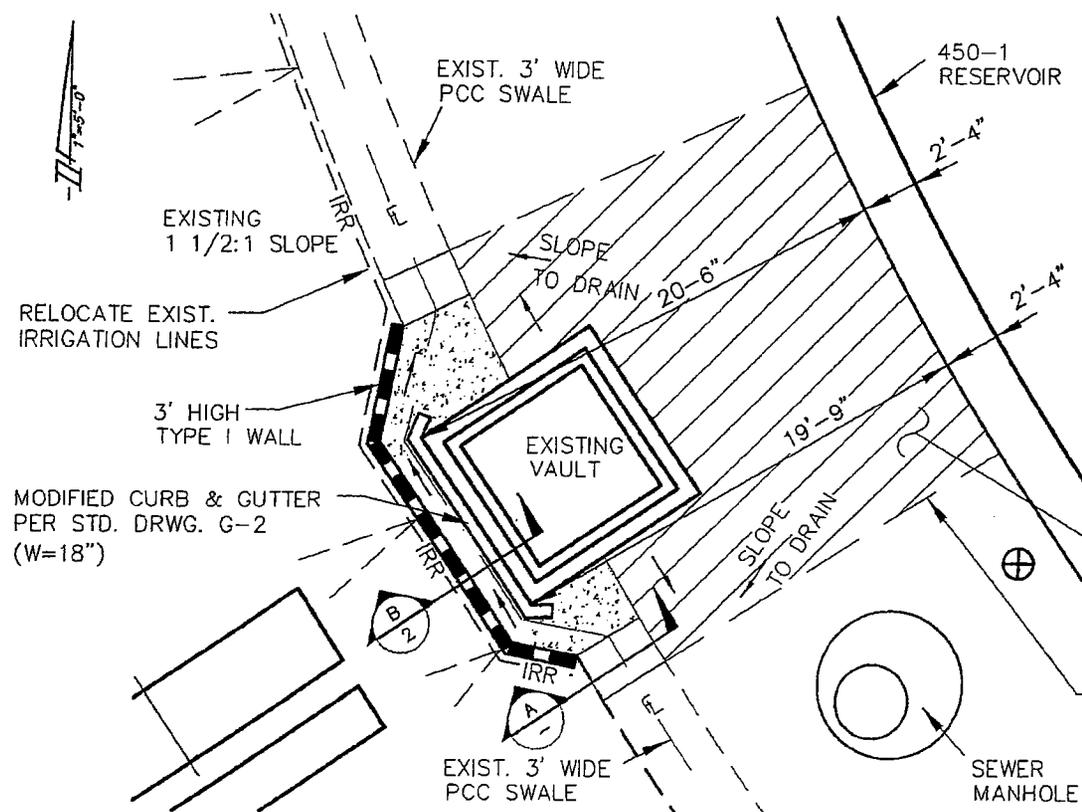
Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, CA 91978

From: Donald Bienvenue
Sent: Wednesday, December 31, 2008 2:52 PM
To: Bob Kennedy
Subject: 450-1 Vault Site Retaining Wall and Swale Details

Bob,

Attached are PDF files of the ACAD drawings and wall, curb, and concrete joint information.

Don



- NOTES:
1. EXPANSION JOINTS OF 1/2" PREMOLDED JOINT FILLER SHALL BE PLACED WHERE GUTTER BUTTS OTHER CONCRETE STRUCTURES.
 2. BASE AND SUBGRADE PREPARATION SHALL MATCH ADJACENT PAVING.

SECTION A-A
SCALE: NTS

3" AC OVER 7" CL II
BASE OVER 12" SUBGRADE
COMPACTED TO 95% REL. COMP.

VERIFY LIMITS

NOTE:
ADJUST ALL C.O.'S, C.P. TEST STATIONS,
MANHOLE RIMS TO GRADE.

WALL/GUTTER PLAN
SCALE: 1"=5'-0"



OTAY WATER DISTRICT
CONCRETE VAULT EXHIBIT
450-1 DISINFECTION FACILITY
1680 MAXWELL RD., CHULA VISTA, CA

CR 2092
 Change Order No. 01
 Attachment (D)
 2/27/09

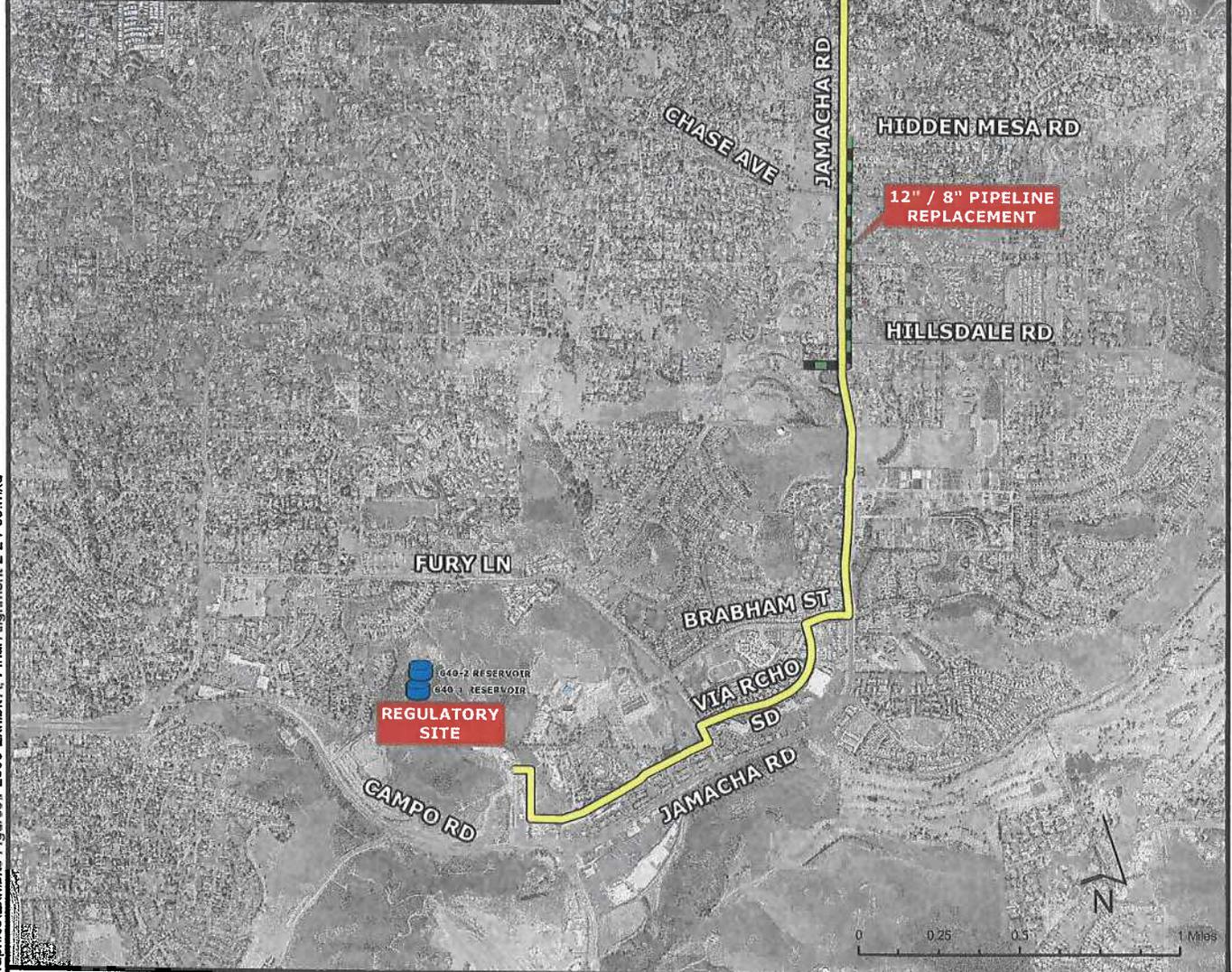
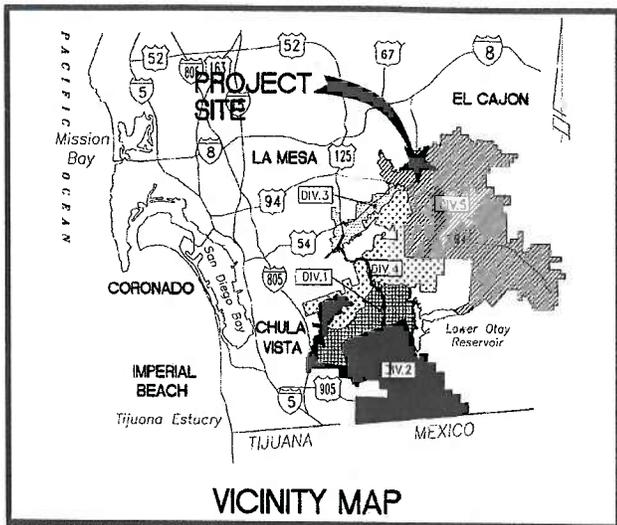
Cost Proposal		450-1 Reservoir Disinfection Facility	
DESCRIPTION		OTAY WATER DISTRICT	
Block Wall			
PRIME CONTRACTOR			
1	MATERIALS		\$2,446
2	SALES TAX	7.75%	\$190
3	LABOR		\$3,990
4	PAYROLL TAXES AND INSURANCE	35.18%	\$1,404
5	EQUIPMENT		\$1,230
6	SUB-TOTAL		\$9,260
7	FIELD OVERHEAD		\$9,260
8	SUBTOTAL		\$9,260
9	SUBCONTRACTOR TOTAL		\$0
10	PRIME CONTACTOR FEE (PRIME WOR	15%	\$1,389
11	PRIME CONTACTOR FEE (SUB WORK)	5%	\$0
12	SUB-TOTAL		\$10,649
13	BOND PREMIUM	1%	\$106
14	TOTAL		\$10,756
			\$10,756
			<u>\$10,000.00</u>
Time Extension Request			
Need to add 15' of Curb and Gutter removed and not shown on drawing sent			
DATE 1/9/2009		SIGNATURE	
		Mark Jennette	
		Project Manager	
		NEWest Construction Company	
		7964 Arjons Dr.	
		Suite A	
		San Diego, CA 92126	

DATE 1/9/2009

Mark Jennette

Agreed \$10,000.00
 Mark Jennette (NEWest)
 Glenn C. Vitz (OWD)
 2/24/09

	Material Description	Dimensions		Quantity	Unit	Material		Labor		EQ/Total		Subs	
						Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1													
2	Sitework												
3	Operator			8	hrs			\$54.86	\$439				
4	Laborer			16	hrs			\$38.71	\$619				
5	Backhoe			1	day					\$281.52	\$282		
6	Field Truck			1	day					\$148.48	\$148		
7	Fuel			25	gal	\$4.00	\$100						
8	Cravel			11	tn	\$35.00	\$369						
9	Foundation/curb												
10	Concrete			6	cy	\$155.00	\$930						
11	Lumber			12	lf	\$11.65	\$140						
12	Rebar			178	lbs	\$1.00	\$178						
13	Carpenter			24	hrs			\$47.04	\$1,129				
14	Laborer			24	hrs			\$38.71	\$929				
15													
16	Wall												
17	Block			80	ea	\$1.55	\$124						
18	Grout			15	bags	\$25.00	\$375						
19	Carpenter			12	hrs			\$47.04	\$564				
20	Laborer			8	hrs			\$38.71	\$310				
21	Grout			2	cy	\$115.00	\$230						
22	Pump			1	ls					\$800.00	\$800		
23													
24													
25													
26													
27													
28													
29													
30													
TOTAL							Material		Labor		Eq/Total		Subs
							\$2,446		\$3,990		\$1,230		



P:\WORKING\CIP P2009\Graphics\Exhibits-Figures\F2009 Exhibit A, Final Alignment 2-24-09.mxd



OTAY WATER DISTRICT
 PIPELINE 36-INCH,
 SDCWA FCF NO. 14 TO REGULATORY SITE

CIP P2009

EXHIBIT A

CONTRACT/P.O. CHANGE ORDER No. 1

PROJECT/ITEM: 36-Inch Pipeline FCF No. 14 to Regulatory Site
CONTRACTOR/VENDOR: Lee & Ro, Inc. REF.CIP No.: P2009-001102
APPROVED BY: Board REF. P.O. No: 709237 DATE: 1-Apr-09

DESCRIPTION:

Additional effort was required by Lee & Ro to attend weekly project delivery meetings, respond to Caltrans' requests for additional information including a Traffic Management Plan, Signal Plans, Signing and Striping Plans and road cross section drawings. District staff also requested that detailed rock and groundwater profiles be added to the design, and requested that a static mixer be incorporated at the Regulatory Site connection. See attached Change Order Proposal from Lee & Ro dated 3/2/09.

REASON:

In order to obtain permits and sign off from Caltrans, Lee & Ro was required to prepare additional plans, and provide additional effort, to finalize the contract documents for bidding.

It was determined that more detailed rock and groundwater profile information would help clarify the subsurface conditions for contractors. In addition, incorporation of a static mixer at the Regulatory Site will increase the effectiveness of chemical injection and monitoring of water quality.

CHANGE P.O. TO READ:

Revise contract to add \$61,629.00 for a total contract amount of \$641,812.00.

ORIGINAL CONTRACT/P.O. AMOUNT:	\$	580, 183.00
ADJUSTED AMOUNT FROM PREVIOUS CHANGE:	\$	0
TOTAL COST OF THIS CHANGE ORDER:	\$	61,629.00
NEW CONTRACT/P.O. AMOUNT IS:	\$	641,812.00
ORIGINAL CONTRACT COMPLETION DATE:		9/30/2010
CONTRACT/P.O. TIME AFFECTED BY THIS CHANGE:		90 days
REVISED CONTRACT COMPLETION DATE:		12/31/2010

IT IS UNDERSTOOD WITH THE FOLLOWING APPROVALS, THAT THE CONTRACTOR/VENDOR IS AUTHORIZED AND DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES. IT IS ALSO AGREED THAT THE TOTAL COST FOR THIS CHANGE ORDER CONSTITUTES FULL AND COMPLETE COMPENSATION FOR OBLIGATIONS REQUIRED BY THE CONTRACT/P.O. ALL OTHER PROVISIONS AND REQUIREMENTS OF THE CONTRACT/P.O. REMAIN IN FULL FORCE AND EFFECT.

CONTRACTOR/VENDOR:

SIGNATURE: _____
NAME : _____
TITLE: _____ DATE : _____
ADDRESS: _____

STAFF APPROVALS:

PROJ. MGR : _____ Sr Eng (Int) DATE: _____
DIV. MGR : _____ DATE: _____
CHIEF: _____ DATE: _____
ASST. GM : _____ DATE: _____

DISTRICT APPROVAL:

GEN. MANAGER: _____ DATE: _____

COPIES: FILE (Orig.), CONTRACTOR/VENDOR, CHIEF-ENGINEERING, CHIEF-FINANCE, ENGR. MGR.
 ACCTS PAYABLE, INSPECTION, PROJ. MGR., ENGR. SECRETARY, PURCHASING, PROJECT BINDER



March 2, 2009

Ron Ripperger
Engineering Manager
Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, CA 91978

Subject: Jamacha 36-inch Pipeline
Additions to Scope of Work and Request for Additional Compensation

File: 837A

Dear Mr. Ripperger:

As we informed you previously, there have been design scope additions requested by the District on the subject project. In addition, numerous design changes and plan revisions were required because of the conditions of the previous drawings and status of the Caltrans Permit. We have attempted to incorporate the changes into the project without requesting an increase to our consulting fees. However, we are requesting additional compensation for the changes in our scope of work as described below.

1. Addition of Weekly Progress Meetings

When we prepared our initial proposal, we proposed to attend monthly meetings with the District during design. After the first progress meeting the District determined that weekly construction meetings would be required. This change resulted in an additional three (3) meetings per month and an additional cost of \$10,266.

2. Add Rock and Ground Water Profiles

During weekly progress meetings it was indicated that rock and groundwater profiles were to be added to plans to assist the contractors in bidding the rock work. This item was initially to be prepared by the previous project consultants. The District directed Lee & Ro, Inc to prepare rock profiles. The effort consisted preparing two (2) profile sheets. The cost for this additional work is \$5,328.

3. Add Static Mixer at Regulatory Site

District operations staff indicated a need to improve water quality at the regulatory site. The District directed Lee & Ro, Inc to design a static mixer in Vault No.7 on the regulatory site. The effort consisted preparing one (1) plan sheet and specification. The cost for this additional work is \$3,416.

4. Caltrans Encroachment Permit

When we prepared our initial fee proposal, it was our understanding from District staff that the previous consultant had applied for the Caltrans encroachment permit in January 2008 and the permit would be obtained shortly thereafter. While we were preparing our initial fee proposal the District and the previous consultant were meeting with Caltrans. When we met with Caltrans October 9, 2008 Caltrans indicated that they had not started the review of the plans and would take a minimum of 14 weeks to obtain the permit. We basically were just starting the formal permit application process at this time. In addition Caltrans required that Traffic Management Plan (TPM), Signal Plans, Signing and Striping Plans and cross-sections be submitted.

This additional work required additional man hours than originally anticipated to meet with Caltrans, prepare 60%, 90%, 100% and additional submittals, numerous meetings and conference calls. In addition, our sub-consultant Darnell & Associates was also affected as noted below:

- The 100 percent traffic control plans, provided by the District were actually approximately 60%.
- A total of 41 traffic control plan sheets were estimated. This was based on the existing 35 sheets, on which 9 sheets would be deleted and 15 new sheets would be required.
- After our first meeting with Caltrans, we were advised that Signal Plans would be required and, Signing and Striping Plans would also be required. At the meeting, we were also advised a Traffic Management Plan (TPM) would be required. This resulted in the addition of six (6) Traffic Signal Plans, eleven (11) Signing and Striping Plans and one (1) Traffic Management Plan

The cost for this additional work is \$42,619.

Attached is a spreadsheet supporting the additional fee (\$61,629) we are requesting. We believe that our additional fee is reasonable and is based on our actual work hours to perform the work plus our sub-consultants' proposal to us.

We would be pleased to review this matter with you in detail. Please call me at (858) 332-4281.

Sincerely,

LEE & RO, Inc

Frank Biehl, P.E., Vice President/San Diego Regional Manager

Encl: Fee Proposal Spreadsheet

TASK DESCRIPTION	Hours/\$s	Billing Rate (\$/Hour)	Amount (\$)	TOTALS (\$)
Project Total	208			\$61,629
Task 1: Project Management & Administration	54			\$10,266
Sub-Task 1.3: Monthly Meetings with District During Design				\$9,936
F. Biehl (E-8)	18	\$200	\$3,600	
J. Stein (E-7)	36	\$176	\$6,336	
<i>Subtotal</i>	54			
Direct Expenses				\$330
Mileage	\$300	10%	\$330	
Task 2: Public Outreach, Community Relations and Liasion, Agency Permitting & Utility Coordination	82			\$42,619
Sub-Task 2.3: Prepare all Required Permit Applications and Reports				\$16,400
F. Biehl (E-8)	82	\$200	\$16,400	
<i>Subtotal</i>	82			
Direct Expenses				\$26,219
Subconsultant: Darnell & Assoc. (Traffic)	\$24,970	5%	\$26,219	
Reproduction and Mileage	\$0	10%	\$0	
Task 8: Complete Contract Documents Preparation	72			\$8,744
Sub Task 8.4: 100 Percent Design				
Add Rock & Groundwater Profile (2 sheets)				\$5,328
J. Stein (E-7)	2	\$176	\$352	
L. Tripp (E-7)	2	\$176	\$352	
K. Neson (E-4)	24	\$100	\$2,400	
Ki Chung (T-7)	16	\$139	\$2,224	
<i>Subtotal</i>	44			
Add Static Mixer				\$3,416
J. Stein (E-7)	2	\$176	\$352	
L. Tripp (E-7)	2	\$176	\$352	
K. Neson (E-4)	16	\$100	\$1,600	
Ki Chung (T-7)	8	\$139	\$1,112	
<i>Subtotal</i>	28			

Darnell & ASSOCIATES, INC.

TRANSPORTATION PLANNING & TRAFFIC ENGINEERING

January 5, 2008

Mr. Frank Biehl
Lee & Ro, Inc.
10225 Barnes Canyon, Suite 200
San Diego, CA 92121

D&A Ref. No: 080902C

Subject: Request for Proposal for Jamacha Road 36-Inch Potable Water Pipeline.

Dear Mr. Biehl,

We are requesting an augment to our contract for the project. The request for augment is based on the following:

ADDITIONAL SCOPE OF SERVICES

1. The plans provided were shown as 100%, when they were actually approximately 60%.
2. A total of 41 traffic control plan sheets were estimated. This was based on the existing 35 sheets, on which 9 sheets would be deleted and 15 new sheets would be required.
3. After our first meeting with Caltrans, we were advised that Signal Plans would be required and, Signing and Striping Plans would also be required. At the meeting, we were also advised a Traffic Management Plan (TPM) would be required.

Based on the above, we are requesting an augment for the following additional services:

- Prepare Traffic Signal Plans (Six Sheets)
- Prepare Signing and Striping Plans (Eleven Sheets)
- Prepare Traffic Management Plan

ADDITIONAL CONSULTANT FEE

The cost for this additional work is as follows:

Prepare Signing and Striping Plans: (11 Sheets)

Firm Principal	18 hrs @ \$160/hr	=	\$2,880.00
Principal Transportation Engineer	40 hrs @ \$140/hr	=	\$5,600.00
Traffic Technician	88 hrs @ \$70/hr	=	\$6,160.00
Word Processor	10 hrs @ \$60/hr	=	\$600.00
Expenses:			
Mylars	11 @ \$50/each	=	\$550.00
	Sub-Total:		\$15,790.00

Mr. Frank Biehl
Lee & Ro, Inc.
January 5, 2008
Page 2

Prepare Traffic Signal Plans (6 Sheets)

Firm Principal	8 hrs @ \$160/hr	=	\$1,280.00
Principal Transportation Engineer	20 hrs @ \$140/hr	=	\$2,800.00
Traffic Technician	40 hrs @ \$70/hr	=	\$2,800.00
Word Processor	8 hrs @ \$60/hr	=	\$480.00
Expenses:			
Mylars	6 @ \$50/each	=	<u>\$300.00</u>
	Sub-Total:		\$7,660.00

Prepare Traffic Management Plan

Firm Principal	4 hrs @ \$160/hr	=	\$640.00
Principal Transportation Engineer	10 hrs @ \$140/hr	=	\$1,400.00
Word Processor	8 hrs @ \$60/hr	=	<u>\$480.00</u>
	Sub-Total:		\$1,520.00

Not-To-Exceed Augment: \$24,970.00

Approval of this augment will increase our Not-to- Exceed Fee from \$43,130.00 to \$68,100.00.

Please feel free to contact me, should you have any questions or comments.

Sincerely,

DARNELL & ASSOCIATES, INC.


Bill E. Darnell, P.E.
RCE: 22338

BED/jam

080902 - Jamacha Road 36-Inch Pipeline

We concur with the provisions of the
augment and authorize D&A to perform the
services described above.

Lee & Ro, Inc.
10225 Barnes Canyon, Suite 200
San Diego, CA 92121

(Signature)

(Print name & title)

(Date)

AGENDA ITEM 4



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009
SUBMITTED BY:	Ron Ripperger <i>[Signature]</i> Engineering Manager	PROJECT/ SUBPROJECT:	P2009- DIV. 5 001102 NO.
APPROVED BY: (Chief)	Rod Posada <i>[Signature]</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña <i>[Signature]</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Change Order No. 1 to the Contract with Lee & Ro, Inc. for Design of the 36-Inch Pipeline, SDCWA Otay FCF No. 14 to the Regulatory Site Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board approve Change Order No. 1 to the existing contract with Lee & Ro, Inc. (Lee & Ro) for design of the 36-Inch Pipeline, SDCWA Otay FCF No. 14 to the Regulatory Site (36-Inch Pipeline) Project in an amount not to exceed \$61,629 (see Exhibit A for project location).

COMMITTEE ACTION: _____

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to execute Change Order No. 1 (see Exhibit B) in an amount not to exceed \$61,629 to the contract with Lee & Ro.

ANALYSIS:

At the August 6, 2008 Board meeting, Lee & Ro was awarded a professional engineering services contract for completion of the design of the 36-Inch Pipeline project. The contract amount approved by the Board was an amount not to exceed \$769,000.

The staff report presented to the Board on August 6, 2008 included two scenarios for resolution of remaining design services for the project. The first scenario was the optimistic case, and assumed

that the transfer of work product from Infrastructure Engineering Corporation (IEC) was 90% complete. Lee & Ro's level of effort to complete the contract documents would then require a design fee of \$515,000. The second scenario assumed that the transfer of data indicated a completion level less than the claimed 90%, or was delayed significantly. Under this scenario, Lee & Ro's fee would be \$769,000.

Transfer of data from IEC occurred quickly, allowing Lee & Ro staff an opportunity to review all submitted data, and work product, from IEC to more accurately determine the level of effort required to complete the design and the corresponding fee for the revised effort. The District subsequently executed a contract with Lee & Ro for \$580,183.

However, as Lee & Ro progressed with their scope of work, it became evident that the permit process for Caltrans was not as far along as previously represented to the District by IEC. Specifically, the Caltrans traffic control plans provided by IEC to the District (and then provided by the District to Lee & Ro) were actually 60% complete, rather than 100% complete as represented by IEC. After Caltrans' review of the 60% plans, Caltrans requested Signal Plans, Signing and Striping Plans, and a Traffic Management Plan. Lee & Ro and their subconsultant submitted all the above information to Caltrans, and then responded to the comments made by Caltrans regarding the information provided. This also required that Lee & Ro, and their subconsultant, meet with Caltrans' staff on several occasions to discuss the comments in detail.

In addition to the added Caltrans scope of work, District staff requested Lee & Ro (to attend additional meetings with District staff) to provide updates on their progress. Key items were discussed in these meetings including the status of agencies' permits, design improvements, and the design completion schedule. An outcome from these Project Delivery meetings was staff's request of Lee & Ro to add more detailed information to the plans regarding rock and groundwater profiles and to design a static mixer to be placed in Vault No. 7 at the Regulatory Site to address Operations staff's concerns about water quality.

This Change Order will extend the contract completion date for the project from September 30, 2010 to December 31, 2010, to account for the delay in processing an encroachment permit with Caltrans.

FISCAL IMPACT:



Original contract is for \$580,183; with the approval of Change Order No. 1 the new contract will be \$641,812. The total Fiscal Year 2009 budget for CIP P2009 is \$22,000,000. The actual costs paid as of March 2, 2009, are \$2,682,711. Total expenditures, plus outstanding commitment and forecast, including this Change Order, are approximately \$4,701,265.

Attachment B lists commitments, expenditures, and projected final costs for CIP 2009 to date. Based on the financial budget, the Project Manager has determined that the budget is sufficient to support the project.

Finance has determined that 100% of the funding for CIP P2009 is currently available from the Expansion Fund.

STRATEGIC GOAL:

This project supports the District's Mission statement, "To provide the best quality of water and wastewater services to the customers of Otay Water District, in a professional, effective, efficient, and sensitive manner..." This project fulfills the District's Strategic Goals No. 1 - Community and Governance and No. 5 - Potable Water, by maintaining proactive and productive relationships with the project stakeholders, and by guaranteeing that the District will provide for current and future water needs.

LEGAL IMPACT:

None.



General Manager

P:\WORKING\CIP P2009 36-inch PL - FCF 14 to Reg Site\Staff Reports\BD 04-01-09, 36-Inch Pipeline Lee & Ro CO#1, (RR-RP).doc

RR/RP:cd

- Attachments
- Attachment A
- Attachment B
- Exhibit A
- Exhibit B



ATTACHMENT A

SUBJECT/PROJECT: P2009-001102	Change Order No. 1 to the Contract with Lee & Ro, Inc. for Design of the 36-Inch Pipeline, SDCWA Otay FCF No. 14 to the Regulatory Site Project
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COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.



ATTACHMENT B

SUBJECT/PROJECT:

P2009-001102

Change Order No. 1 to the Contract with Lee & Ro, Inc. for Design of the 36-Inch Pipeline, SDCWA Otay FCF No. 14 to the Regulatory Site Project

Otay Water District
P2009 - 36-Inch Pipeline from SDCWA Otay FCF No. 14 to the Regulatory Site

Date Updated: March 02, 2009

Budget \$22,000,000	Committed	Expenditures	Outstanding Commitment & Forecast	Projected Final Cost	Vendor / Comments
Planning					
Labor	233,726	233,726		233,726	
Printing	993	993	-	993	OCB REPROGRAHICS
Business Meetings	110	110	-	110	PETTY CASH
	49	49	-	49	US BANK CORPORATE PAYMENT
Professional Legal Fees	5,595	5,595	-	5,595	BURKE WILLIAMS & SORENSEN
	50,015	50,015	-	50,015	GARCIA CALDERON & RUIZ LLP
Regulatory Agency Fee	1,927	1,927	-	1,927	COUNTY OF SAN DIEGO
Consultant Contracts	1,338,108	1,080,288	257,820	1,338,108	INFRASTRUCTURE ENGINEERING
	1,786	1,786	-	1,786	JONES & STOKES
Service Contracts	398	398	-	398	UNION TRIBUNE
	957	957	-	957	SD DAILY TRANSCRIPT
	350	350	-	350	RYAN BETHKE
	705	705	-	705	OLLI BROS
Subcontract	12,266	12,266	-	12,266	HELIX WATER DISTRICT
Temporary Labor	16	16	-	16	SEDONA STAFFING
Total Planning	\$ 1,647,000	\$ 1,389,179	\$ 257,820	\$ 1,646,999	
Design					
In House/Labor	465,661	465,661		465,661	
In House/Labor (future)					
Consultant Contracts	93,000	18,750	74,250	93,000	SAN DIEGO COUNTY WATER
	107,138	100,661	6,477	107,138	HARRIS & ASSOCIATES INC
	4,744	4,744	-	4,744	WRA & ASSOCIATES INC
	1,050	1,050	-	1,050	SOUTHLAND TITLE
	1,640	1,640	-	1,640	CALTRANS
	583,098	349,930	233,168	583,098	LEE & RO INC
	61,629		61,629	61,629	C.O. #1
	12,516	12,516	-	12,516	SOUTHERN CA SOIL
	13,440	13,440	-	13,440	SWINERTON MANAGEMENT
Service Contracts	7,500	7,500	-	7,500	SAN DIEGO COUNTY
	43	43	-	43	KEAGY REAL ESTATE
Special Projects	48	48	-	48	SAN DIEGO DAILY TRANSCRIPT
Meals and Incidentals	162	162	-	162	SEDONA STAFFING
Mileage	3	3	-	3	PETTY CASH
Business Meetings	17	17	-	17	PETTY CASH
	215	215	-	215	US BANK CORPORATE PAYMENT
Advertising/Bid	87	87	-	87	SAN DIEGO DAILY TRANSCRIPT
Other Agency Fees	12,830	12,830	-	12,830	CITY OF EL CAJON
Total Design	\$ 1,364,848	\$ 989,324	\$ 375,524	\$ 1,364,848	
Construction					
In House/Labor	30,987	30,987		30,987	
Service Contracts	818	818	-	818	UNION TRIBUNE PUBLISHING CO
Consultant Contracts	1,088,785	145,935	942,850	1,088,785	RBF CONSULTING
Construction Contracts	527,000	106,250	420,750	527,000	SAN DIEGO COUNTY WATER
	5,784	5,784	-	5,784	SOUTHERN CA SOIL
Service Contracts	266	266	-	266	MCGRAW-HILL CONSTRUCTION
Meals & Incidentals	83	83	-	83	PETTY CASH CUSTODIAN
Regulatory Agency Fees	4,685	4,685	-	4,685	CITY OF EL CAJON
	9,400	9,400	-	9,400	SAN DIEGO COUNTY WATER
Inline Valve	1,609		1,609	1,609	FERGUSON WATERWORKS #1082
Acpt/close-out	20,000		20,000	20,000	
Total Construction	\$ 1,689,417	\$ 304,208	\$ 1,385,209	\$ 1,689,417	
Grand Total	\$ 4,701,265	\$ 2,682,711	\$ 2,018,553	\$ 4,701,264	



AGENDA ITEM 5

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009		
SUBMITTED BY:	Bob Kennedy <i>BK</i> Associate Civil Engineer	PROJECT / SUBPROJECTS	P1210- 3321	DIV. NO.	ALL
	Ron Ripperger <i>[Signature]</i> Engineering Manager				
APPROVED BY: (Chief)	Rod Posada <i>[Signature]</i> Chief, Engineering				
APPROVED BY: (Asst. GM):	Manny Magaña <i>[Signature]</i> Assistant General Manager, Engineering and Operations				
SUBJECT:	Change Order No. 3 to the Contract with PBS&J for the 2009 Water Resources Master Plan Update and Program Environmental Impact Report Project				

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board approve Change Order No. 3 to the contract with PBS&J for the 2009 Water Resources Master Plan (WRMP) Update and Program Environmental Impact Report (PEIR) Project, in an amount not to exceed \$45,732.

COMMITTEE ACTION: _____

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the General Manager to execute Change Order No. 3 (see Exhibit B) in an amount not to exceed \$45,732 to the contract with PBS&J. This Change Order will bring the cumulative total of all Change Orders to date to \$56,222.

ANALYSIS:

At the August 1, 2007 Board Meeting, PBS&J was awarded a professional engineering planning services agreement for the 2009 WRMP Update and PEIR Project. The WRMP Update is a comprehensive analysis of the District's needs for infrastructure to develop, and distribute, potable and recycled water to its service area, based on population growth and land

use development. The Draft WRMP Update is 98% complete and the PEIR Project is 36% complete.

Services provided under Change Order No. 3 will add water supply offset information into the draft WRMP Update and PEIR Project. Documentation of these supply opportunities, and the status of the District's plan to implement them, is needed to support future water supply assessment documents and potable water offset requirements. Additional time is needed by PBS&J to include the nine supply sources into the Draft WRMP Update and PEIR Project. Therefore, this Change Order will add time to PBS&J's contract, extending the completion date from May 30, 2009 to December 31, 2009.

A water supply offset program was not required until the San Diego County Water Authority, on July 24, 2008, conditioned a project proposed for annexation to offset the increased demand that would result from the annexation. The District serving this project had to implement a water supply offset program specifically for this project, and have it in place, before the annexation could become finalized. Subsequently, several projects have been submitted to Otay Water District for annexation, or are projects requiring additional demand, than that identified on the current land use plan. To document that the future water supply is available for these projects, the WRMP Update needs to include the proposed supply sources. The potential water supply projects the District is considering for a water supply offset program are identified below:

Potential Water Supply Projects	Supply Estimate Range AF
Otay River Groundwater Desalinization Facility	2,000 to 3,000
North District Recycled Water Concept	1,000 to 1,200
Otay Mesa Recycled Water Supply Link	1,500 to 1,700
Otay Mesa Lot 7 Groundwater Well	300 to 500
Middle Sweetwater River Basin Groundwater Well	1,000 to 2,500
City of Chula Vista MBR Reclamation Plant	2,000 to 6,700
Rancho del Rey Groundwater Well	300 to 500
Potable Irrigation Meters to Recycled Water Conversions	100 to 200
Rosarito Seawater Desalinization Facility	5,000 to 11,000

FISCAL IMPACT:



The original PBS&J contract for \$499,748 is currently funded from the Operating Budget. For FY 2008 and FY 2009, \$526,450 was budgeted for the WRMP Update and PEIR Project. To date, \$374,565 has been spent and a total of \$496,950 has been

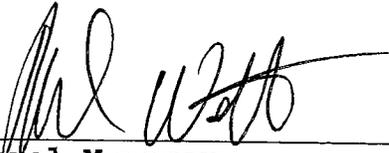
committed. Additional funding of approximately \$30,000 will be budgeted in FY 2010 and available from the same general account 11-3321-5261 (Outside Services).

STRATEGIC GOAL:

This project supports the District's Mission Statement, "To provide safe, reliable water, recycled water, and wastewater services to our community in an innovative, cost efficient, water-wise and environmentally responsible manner," and the District's Strategic Goal, "To satisfy current and future water needs for potable, recycled, and wastewater services."

LEGAL IMPACT: _____

None.



General Manager

P:\WORKING\CIP 00210 WMP & PEIR\Water Resources Master Plan\2009 WRMP & PEIR\Staff Reports\BD 04-01-09, Staff Report, WRMP-PEIR Change Order, (BK-RR).doc

BK/RR:cd

Attachments: Attachment A
Attachment B



ATTACHMENT A

SUBJECT/PROJECT: P1210-3321	Change Order No. 3 to the Contract with PBS&J for the 2009 Water Resources Master Plan Update and Program Environmental Impact Report Project
---	---

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTES:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board Approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

OTAY WATER DISTRICT
2554 SWEETWATER SPRINGS BLVD., SPRING VALLEY, CA. 91978, (619) 670-2222

CONTRACT/P.O. CHANGE ORDER No. 3

PROJECT/ITEM: Water Resources Master Plan and Program Environmental Impact Report
CONTRACTOR/VENDOR: PBS&J REF.CIP No.: P1210-021000
APPROVED BY: Board REF. P.O. No: 707070 DATE: 2-Mar-09

DESCRIPTION:

See attached Change Order Proposal from PBS&J dated Feb. 26, 2009.

REASON:

Additional services to include water supply offset information into the 2009 OWD Water Resources Master Plan and Program Environmental Impact Report. Documentation of these supply opportunities and the status of the District's plan to implement them is needed to support future water supply assessment documents and potable water offset requirements.

CHANGE P.O. TO READ:

Revise contract to add \$45,732.00 for a total contract amount of \$555,970.00.

ORIGINAL CONTRACT/P.O. AMOUNT:	\$	499,748.00
ADJUSTED AMOUNT FROM PREVIOUS CHANGE:	\$	510,238.00
TOTAL COST OF THIS CHANGE ORDER:	\$	45,732.00
NEW CONTRACT/P.O. AMOUNT IS:	\$	555,970.00
ORIGINAL CONTRACT COMPLETION DATE:		May 30, 2009
CONTRACT/P.O. TIME AFFECTED BY THIS CHANGE:		N/A
REVISED CONTRACT COMPLETION DATE:		Dec. 31, 2009

IT IS UNDERSTOOD WITH THE FOLLOWING APPROVALS, THAT THE CONTRACTOR/VENDOR IS AUTHORIZED AND DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES. IT IS ALSO AGREED THAT THE TOTAL COST FOR THIS CHANGE ORDER CONSTITUTES FULL AND COMPLETE COMPENSATION FOR OBLIGATIONS REQUIRED BY THE CONTRACT/P.O. ALL OTHER PROVISIONS AND REQUIREMENTS OF THE CONTRACT/P.O. REMAIN IN FULL FORCE AND EFFECT.

CONTRACTOR/VENDOR:

SIGNATURE: Mark B. Elliott
NAME: MARK B. ELLIOTT
TITLE: ASSOC. VICE PRESIDENT DATE: 3/2/09
ADDRESS: 9275 Sky Park Court, Suite 200
San Diego, CA 92123

STAFF APPROVALS:

PROJ. MGR: _____ Sr Eng (Int) DATE: _____
DIV. MGR: _____ DATE: _____
CHIEF: _____ DATE: _____
ASST. GM: _____ DATE: _____

DISTRICT APPROVAL:

GEN. MANAGER: _____ DATE: _____

COPIES: FILE (Orig.), CONTRACTOR/VENDOR, CHIEF-ENGINEERING, CHIEF-FINANCE, ENGR. MGR.
 ACCTS PAYABLE, INSPECTION, PROJ. MGR., ENGR. SECRETARY, PURCHASING, PROJECT BINDER

CHANGE ORDER LOG

Water Resource Master Plan and PEIR As Needed Support

Consultant: PBS&J

Project: P1210

Subproject: 021000

		APPROVED			
C.O.	AMOUNT	BY	DATE	DESCRIPTION	TYPE C.O.
1	\$9,990.00	Chief	12/29/2008	Evaluate Donovan prison expansion, Otay Business Park and 711 PS	Owner
2	\$500.00	PM	2/25/2009	Provide modeling support for a development in Otay Mesa to evaluate the potential impacts of deleting a 12-inch potable water line south of Airway Road between Cactus Road and Britannia Road. See attached Change Order proposal from PBS&J dated Feb. 23, 2009. To be paid by	Developer Funded
3	\$45,732.00	Board	4/1/2009	Include water supply offset information into the WRMP and PEIR	Owner
4					
5					
6					
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31					
32					
33					
34					

Total C.O.'s To Date:	\$56,222.00	11.3%
Original Contract Amount:	\$499,748.00	
Current Contract Amount:	\$555,970.00	

Change Order Breakdown for the Month:

Month	Net C.O.\$	Limit	Authorization	C.O. %
	\$56,222.00	\$2,000	Insp	0.0%
		\$10,000	PM/Supervisor	0.0%
		\$20,000	Manager	0.0%
		\$25,000	Chief	0.0%
		\$35,000	AGM	0.0%
		\$50,000	GM	0.0%



An employee-owned company

February 26, 2009

Mr. Robert Kennedy
Project Manager
Otay Water District
2554 Sweetwater Springs Blvd
Spring Valley, CA 91978

SUBJECT: Change Order Request to amend the 2009 OWD Water Resources Master Plan Update and Program EIR to include Water Supply Offset Information

Dear Mr. Kennedy:

This change order request describes the additional services necessary to include water supply offset information into the 2009 OWD Water Resources Master Plan Update and associated Program EIR (PEIR), as requested by the District, prior to adoption of the final documents. It has been brought to our attention by District staff that the District is considering up to nine additional water supply sources. Given the currently constricted water supply forecasts for the region, it is critical that these local supply sources be incorporated into the Master Plan Update and evaluated in the PEIR. Documentation of these supply opportunities and the status of the District's plans to implement them is necessary to support future water supply assessment documents and potable water offset requirements.

The proposed scope of work to amend the Master Plan Update is segregated below under two headings: Master Plan Update and Program EIR.

Master Plan Update

1. Expand **Chapter 3 Potable Water Supply Sources** to include a new **Section 3.4 Current Water Supply Offset Projects** documenting and prioritizing the nine potential projects listed below that the District is currently moving forward with and their status of implementation. Prepare one (1) new graphic showing the location of these projects. Expand discussion of potable water offsets, buffer supply and "new" water needs in **Section 3.3 Regional Water Supply Conditions**.

Potential Water Supply Projects	Supply Estimate Range (acre feet)	Rough Cost Estimate Range (millions)
Otay River Groundwater Desalinization Facility	2,000 to 3,000	\$8 to \$10
North District Recycled Water Concept	1,000 to 1,200	\$14 to \$15
Otay Mesa Recycled Water System Link	1,500 to 1,700	\$16 to \$20
Otay Mesa Lot 7 Groundwater Well	300 to 500	\$5 to \$8
Middle Sweetwater River Basin Groundwater Well	1,000 to 2,500	\$8 to \$10
City of Chula Vista MBR Reclamation Plant	2,000 to 6,700	\$20 to \$25
Rancho del Rey Groundwater Well	300 to 500	\$5 to \$8
Potable Irrigation Meters to Recycled Water Conversions	100 to 200	\$1 to \$2
Rosarito Seawater Desalinization Facility	5,000 to 11,000	\$30 to \$130

2. Expand **Chapters 4 and 5** to identify potential delivery points, provide general discussion of hydraulic impact of new water supply sources on the existing delivery system and potential improvements required. It is assumed that there will be no additional hydraulic modeling associated with this effort. Include up to two (2) additional graphics to illustrate delivery locations and recommended improvements.
3. Expand **Chapter 6, Capital Improvement Projects** to include a new **Section 6.4 Water Supply Projects** documenting proposed water supply projects and planning level costs for implementation. Discuss potential scheduling of the proposed projects as they relate to CIP forecasting. District engineering staff to indicate which supply projects will be included in the new 6-year CIP.
4. Edit **Exhibits I through VII**, to incorporate any recommended improvements for Phase I (2010-2016) associated with the proposed water supply projects.
5. Prepare draft revised chapters and graphics for District staff to review. Meet with District engineering and environmental staff to review comments. Respond to comments and prepare final report and CD of final master plan document. Provide the necessary project management and administration to complete the change order work.

Program EIR

6. **Program Environmental Impact Report, Water Supply Offset Projects.**
Incorporate the nine (9) potential water supply offset projects into the second screencheck Draft PEIR. This includes revisions to the following PEIR sections:

- Project Description
- Air Quality And Climate Change
- Biological Resources
- Cultural Resources
- Energy
- Geology, Soils And Paleontology
- Hydrology and Water Quality
- Landform Alteration/Visual Quality
- Land Use Planning
- Noise
- Public Safety

The revisions will be based on information developed in other tasks described in this contract amendment, including an expanded discussion of the California Environmental Quality Act (CEQA) Initial Study question regarding groundwater. As part of this effort, conduct a field visit to review four of the nine prospective CIP project locations to ascertain the condition of the surrounding environment, discuss pertinent project information, and develop a preliminary opinion of possible impacts, mitigation, and alternatives. It is our opinion that five of the nine prospective water supply opportunities do not lend themselves to specific project locations which would otherwise warrant a site visit.

Mr. Robert Kennedy
Otay Water District
February 26, 2009
Page 3 of 3

Fee and Conditions

The estimated cost to complete these tasks is listed in the table below:

Task	Scope	Hours	Rate	Total Fee
1	Revise Chapter 3 and prepare graphics	8	\$165	\$1,320
		16	\$101	\$1,616
2	Add discussion re. Hydraulic impacts at Delivery Points and Revise Chapters 4 and 5	8	\$165	\$1,320
		24	\$123	\$2,952
		24	\$101	\$2,424
3	Refine Cost Estimates and Revise Chapter 6	20	\$123	\$2,460
4	Edit Exhibits	16	\$101	\$1,616
5	Prepare draft and final documents, meet with District staff	24	\$165	\$3,960
		16	\$123	\$1,968
		16	\$101	\$1,616
6	Revise PEIR to include water supply offset projects	204	\$120 (avg)	\$24,480
Total				\$45,732

The total fee for Tasks 1 through 6 Services, described herein, will be the lump sum amount of \$45,732. Upon submittal of the Draft WRMP the consultant shall invoice 90% of the fee for Tasks 1 through 5 and upon submittal of the Final WRMP the consultant shall invoice 100 % of the fee for Tasks 1 through 5. Upon completion of the 2nd screen check for the PEIR, 100% of Task 6 will be invoiced.

Upon receipt of your approval, we will begin work immediately. We look forward to continuing to assist the District in support of your master planning needs. As always, please do not hesitate to call me at 715.347.4635 or Jennifer Duffy at 858.514.1014.

Sincerely,



Mark B. Elliott
Project Manager

cc Ms. Lisa Coburn-Boyd, OWD
Mr. Ron Ripperger, OWD
Mr. James Peasley, OWD
Ms. Jennifer Duffy, PBS&J
Mr. James Strayer, PBS&J
Mr. Mike Gonzales, PBS&J
Ms. Jennifer Bileck, PBS&J
Ms. Karen Chwala, PBS&J



AGENDA ITEM 6



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009
SUBMITTED BY:	Daniel Kay <i>DK</i> Associate Civil Engineer	PROJECT/ SUBPROJECTS:	R2081- DIV. 4, 5 001103, NO. S2015- 001103, P2465- 001103
	Ron Ripperger <i>RR</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>RPosada</i> Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magana <i>MMagana</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Increase the Project Budgets for the 20-Inch Lane Avenue Conversion Project (R2081), the Calavo Sewer Lift Station Replacement Project (S2015), and the Material Storage Bins Project (P2465)		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board revise the total budgets for the 20-Inch Lane Avenue Conversion Project from \$1,090,000 to \$1,160,000, the Calavo Sewer Lift Station Replacement Project from \$526,000 to \$560,000, and the Material Storage Bins Project from \$250,000 to \$310,000 (see Exhibits A-1, A-2, and A-3 respectively for project locations).

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization to increase the project budgets for the 20-Inch Lane Avenue Conversion Project by an amount not to exceed \$70,000, the Calavo Sewer Lift Station Replacement Project by an amount not to exceed \$34,000, and the Material Storage Bins Project by an amount not to exceed \$60,000, to cover additional expenses from unforeseen conditions encountered by each contractor, and for additional Operations and Engineering staff support.

ANALYSIS:

20-Inch Lane Avenue Conversion Project:

The Board awarded a contract to ARB Inc. on January 16, 2008 in the amount of \$660,256. At that time, total expenditures, plus outstanding commitments and forecast, were \$1,111,819 with a FY 2008 budget of \$1,290,000. During the budget review process for FY 2009 the budget was reduced to \$1,090,000, to forecast expenditures closer to 100% of the budget. However, during construction, another staff report was taken to the November 13, 2008 Board meeting for a Change Order, in the amount of \$78,938, for changes made to the contract. At that time, total expenditures, plus outstanding commitments and forecast, were \$1,063,097. When the change order was presented to the Board, there was approximately \$27,000 remaining for staff time to complete the project. However, due to the extended duration of the project, staff time has gone beyond what was anticipated.

The contractor is scheduled to complete this project in April 2009. The current forecast of \$1,129,842, which does not include additional staff time, shows that the budget is over by approximately \$40,000. Based on this forecast, and including additional staff time needed during the construction phase, acceptance, and closeout of this project, staff recommends increasing the budget by \$70,000. This results in an increase of 6.4% to the project budget.

Calavo Sewer Lift Station Replacement Project:

The Board awarded a contract to Newest Construction on April 2, 2008 in the amount of \$267,900. At that time, total expenditures, plus outstanding commitments and forecast, were \$496,665, with a FY 2008 budget of \$726,000. During the Budget review process for FY 2009 the budget was reduced to \$526,000, to forecast expenditures closer to 100% of the budget. This left approximately \$30,000 for staff time to complete the project. Completing the project within the reduced budget was only possible if no changes were made, and no unforeseen conditions were found. However, during construction there was a Change Order in the amount of approximately \$18,000 for utility conflicts, as well as operational SCADA upgrades in the amount of approximately \$12,500. These changes used up the staff's allocated budget needed during the construction phase of the project.

The contractor has completed the project and it is now in the closeout phase. The current forecast of \$547,270, without additional staff time, shows that the budget will be exceeded by approximately \$21,270. Based on this forecast, and additional

staff time needed for acceptance and closeout of this project, staff recommends increasing the budget by \$34,000. This results in a 6.5% increase to the project budget.

Material Storage Bins Project:

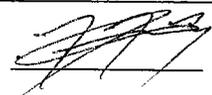
The Board awarded a contract to Fox Construction on August 6, 2008 in the amount of \$225,000. At that time, total expenditures, plus outstanding commitments and forecast, were \$248,642, with a FY 2009 budget of \$250,000. This forecast included \$10,000 for staff time during the construction phase, plus \$7,200 for acceptance and closeout. Completing the project within budget was only possible if no changes were made, and no unforeseen conditions were found. However, in the construction phase, rock was encountered during excavation and utilities were much deeper than anticipated, resulting in a Change Order currently being processed in the amount of \$12,000. This Change Order leaves only \$5,200 for staff time during construction, acceptance, and closeout of the project.

The contractor is scheduled to complete the project in April 2009. The current forecast of \$268,505, which does not include additional staff time, shows the budget is over by approximately \$18,500. Based on this forecast, the pending Change Order and additional staff time needed during the construction phase, acceptance, and closeout of this project, staff recommends increasing the budget by \$60,000. This results in an increase of 24% to the project budget.

The following is a summary of the budget increase for each project:

Project	Existing Budget	Proposed Increase	Proposed Budget
20-Inch Lane Avenue Conversion Project (R2081)	\$1,090,000	\$70,000	\$1,160,000
Calavo Sewer Lift Station Replacement (S2015)	\$526,000	\$34,000	\$560,000
Material Storage Bins (P2465)	\$250,000	\$60,000	\$310,000
Total:		\$164,000	

FISCAL IMPACT:



20-Inch Lane Avenue Conversion Project:

The total budget for CIP R2081, as approved in the FY 2009 budget, is \$1,090,000. Expenditures to date are \$1,046,165. Total expenditures, plus outstanding commitments and forecast to date, are \$1,160,000, which includes staff expenditures (see Attachment B-1 for budget details). The Project Manager has

determined that with a budget increase of \$70,000, the project will be completed within the new budget amount of \$1,160,000.

Finance has determined that 100% of the funding is available from the Expansion Fund.

Calavo Sewer Lift Station Replacement Project:

The total budget for CIP S2015, as approved in the FY 2009 budget, is \$526,000. Expenditures to date are \$500,735. Total expenditures, plus outstanding commitments and forecast to date, are \$560,000, which includes staff expenditures (see Attachment B-2 for budget details). The Project Manager has determined that with a budget increase of \$34,000, the project could be completed within the new budget amount of \$560,000.

Finance has determined that 100% of the funding is available from the Replacement Fund.

Material Storage Bins Project:

The total budget for CIP P2465, as approved in the FY 2009 budget, is \$250,000. Expenditures to date are \$240,905. Total expenditures, plus outstanding commitments and forecast to date, are \$310,000, which includes staff expenditures (see Attachment B-3 for budget details). The Project Manager has determined that with a budget increase of \$60,000, the project could be completed within the new budget amount of \$310,000.

Finance has determined that 100% of the funding is available from the Expansion Fund.

STRATEGIC GOAL:

These projects support the District's Mission Statement, "To provide safe reliable water, recycled water, and wastewater services to our community in an innovative, cost efficient water-wise, and environmentally responsible manner, "as well as the General Manager's vision, to be "... prepared for the future..." by guaranteeing that the District will always be able to meet future water supply obligations and plan, design, and construct new facilities.

LEGAL IMPACT:

None.



General Manager

DK/RR/RP:cd

Attachments: Attachment A
Attachment B-1
Attachment B-2
Attachment B-3
Exhibit A-1
Exhibit A-2
Exhibit A-3



ATTACHMENT A

SUBJECT/PROJECT: R2081/S2015/ P2465-001103	Increase the Project Budgets for the 20-Inch Lane Avenue Conversion Project (R2081), Calavo Sewer Lift Station Replacement Project (S2015), and Material Storage Bins Project (P2465)
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COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.



ATTACHMENT B-1

Otay Water District
R2081- RecPL - 20-Inch, 944 Zone, Lane Avenue -

Date Updated: February 23, 2009

<i>Budget</i> \$1,090,000	<i>Committed</i>	<i>Expenditures</i>	<i>Outstanding Commitment & Forecast</i>	<i>Projected Final Cost</i>	<i>Vendor / Comments</i>
Planning					
Labor	32,709	32,709		32,709	
Professional & Legal Fees	125	125	-	125	GARCIA CALDERON RUIZ LLP
Consultant Contracts	4,762	4,762	-	4,762	JONES & STOKES
Outside Services			-	-	
			-	-	
Service Contracts			-	-	
Other Agency Fees			-	-	
			-	-	
Total Planning	\$ 37,596	\$ 37,596	\$ -	\$ 37,596	
Design					
In House/Labor	113,457	113,457		113,457	
In House/Labor (future)				-	
Consultant Contracts	41,127	41,127	-	41,127	RBF CONSULTING
	5,000	5,000	-	5,000	INFRASTRUCTURE ENGINEERING
Mileage	15	15	-	15	PETTY CASH CUSTODIAN
Materials	393	393	-	393	CW MACGRATH
Contracted Services	12,719	12,719	-	12,719	KIRK PAVING INC
Permits	300	300	-	300	CITY OF CHULA VISTA
Service Contracts			-	-	
			-	-	
Advertising/Bid			-	-	
Settlement/Easement			-	-	
			-	-	
Total Design	\$ 173,011	\$ 173,011	\$ -	\$ 173,011	
Construction					
In House/Labor	177,421	157,263	20,158	177,421	
Other Agency Fee	50	50	-	50	PETTY CASH CUSTODIAN
Construction Contracts	664,683	588,211	76,472	664,683	ARB INC.
Retention	74,511	74,511	-	74,511	ARB INC.
	3,209	3,209	-	3,209	SOUTHERN CA SOIL
Contracted Services	1,910	1,910	-	1,910	RICK POST WELDING
	236	236	-	236	CLARKSON LAB & SUPPLY INC
Service Contracts	2,443	2,443	-	2,443	OCB REPROGRAPHICS
	69	69	-	69	SAN DIEGO DAILY TRANSCRIPTS
	258	258	-	258	SPANKY'S PORTABLE SERVICES INC
Advertisement/Bid	332	332	-	332	UNION TRIBUNE PUBLISHING CO
Infrastructure Equipment & Materials	5,680	1,080	4,600	5,680	WALTERS WHOLESALE ELECTRIC CO
	1,281	390	891	1,281	MINARIK CORPORATION
	870	870	-	870	ALLIED ELECTRONICS INC
	4,702	4,651	52	4,702	APPLIED TECHNOLOGY GROUP INC
	1,662		1,662	1,662	REXEL
Meter Boxes	76	76	(0)	76	
Water Loss			-	-	
Acqpt/close-out	10,000		10,000	10,000	
Total Construction	\$ 949,393	\$ 835,558	\$ 113,835	\$ 949,393	
Grand Total	\$ 1,160,000	\$ 1,046,165	\$ 113,835	\$ 1,160,000	



ATTACHMENT B-2

Otay Water District
S2015 Calavo Lift Station Replacement

Date Updated: February 23, 2009

<i>Budget</i>	<i>Committed</i>	<i>Expenditures</i>	<i>Outstanding Commitment & Forecast</i>	<i>Projected Final Cost</i>	<i>Vendor / Comments</i>
\$526,000					
Planning					
In House/Labor	37,520	37,520		37,520	
Consultant Contracts	1,979	1,979	-	1,979	Jones & Stokes Associates
Service Contracts	4,200	4,200	-	4,200	California Commercial
Advertise & Awards	275	275	-	275	San Diego Daily Transcripts
Professional & Legal Fees	915	915	-	915	Garcia, Calderon & Ruiz LLP
Land/Easement Acquisition	13,000	13,000	-	13,000	Kim-Thoa Hoang
Total Planning	\$ 57,889	\$ 57,889	\$ -	\$ 57,889	
Design					
In House/Labor	82,711	82,711		82,711	
Consultant Contracts	8,770	8,770	-	8,770	Ninyo & Moore
	16,780	16,780	-	16,780	JC Heden & Associates Inc.
	9,850	9,850	-	9,850	Engineering Partners Inc.
Professional Legal Fees	1,011	1,011	-	1,011	Garcia, Calderon & Ruiz LLP
Easement	4,000	4,000	-	4,000	Juan & Debra Navarro
Service Contracts	700	700	-	700	Southland Title
	86	86	-	86	San Diego Daily Transcripts
	1,535	1,535	-	1,535	Mayer Reprograhics Inc
			-	-	
Total Design	\$ 125,442	\$ 125,443	\$ -	\$ 125,443	
Construction					
In House/Labor	60,395	58,888	1,507	60,395	
Consultant Contracts	1,470	1,470	-	1,470	JC Heden & Associates Inc.
Construction Contracts	257,615	224,631	32,984	257,615	Newest Construction
	28,624	24,959	3,665	28,624	California Bank & Trust
Change Order	1,222	349	873	1,222	Change order No. 3
Service Contracts	349	349	-	349	Union Tribune Publishing Co
	6,779	6,779	-	6,779	San Diego Gas & Electric
	7,980		7,980	7,980	Techknowsion Inc
Professional & Legal Fees	125	125	-	125	Garcia, Calderon & Ruiz LLP
Other Agency Fees	204	204	-	204	Helix Water District
Infrastructure Equipment & Material	1,907		1,907	1,907	Applied Technology Group Inc
Accpt/close-out	10,000		10,000	10,000	
Total Construction	\$ 376,669	\$ 317,753	\$ 58,916	\$ 376,669	
Grand Total	\$ 560,000	\$ 501,084	\$ 58,916	\$ 560,000	



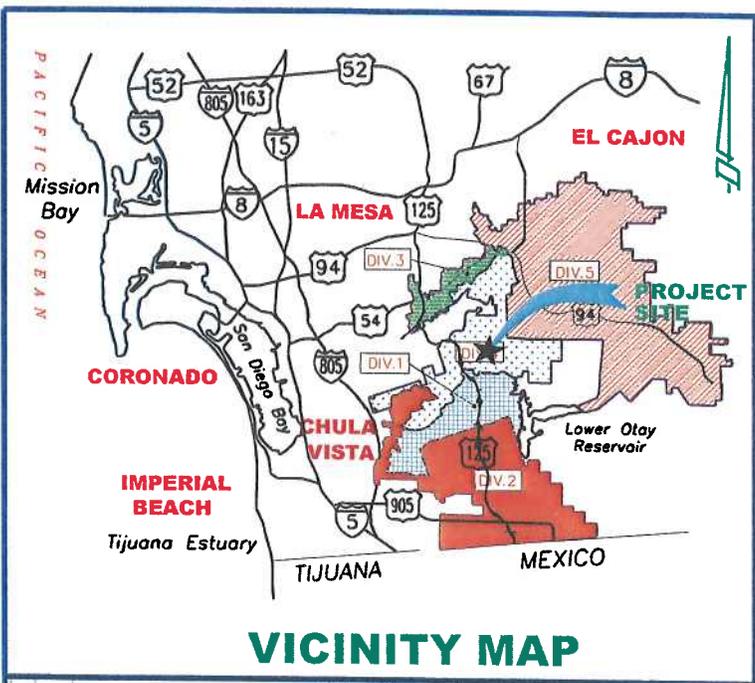
ATTACHMENT B-3

Otay Water District
P2465- Regulatory Site Material Storage Bins

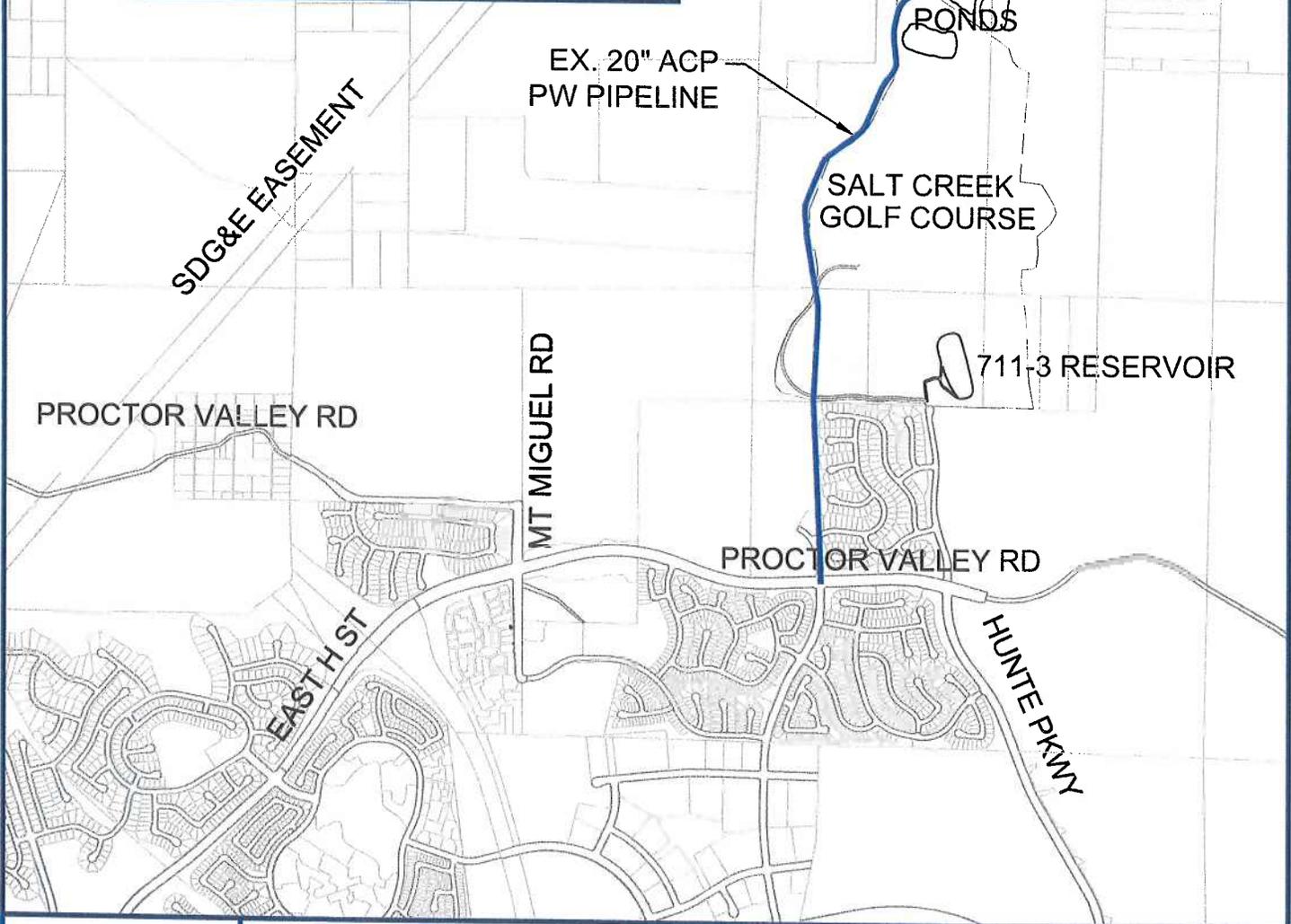
Date Updated: February 23, 2009

<i>Budget</i> \$250,000	<i>Committed</i>	<i>Expenditures</i>	<i>Outstanding Commitment & Forecast</i>	<i>Projected Final Cost</i>	<i>Vendor / Comments</i>
Planning					
Labor					
Service Contracts					
Other Agency Fees					
Total Planning	\$ -	\$ -	\$ -	\$ -	
Design					
In House/Labor	135	135	-	135	
In House/Labor (future)					
Consultant Contracts					
Advertising/Bid					
Settlement/Easement					
Total Design	\$ 135	\$ 135	\$ -	\$ 135	
Construction					
In House/Labor	115,261	95,765	19,495	115,261	
Professional Legal Fees	146	146	-	146	GARCIA CALDERON & RUIZ LLP
Regulatory Agency Fees	50	50	-	50	COUNTY OF SAN DIEGO
Construction Contracts	162,000	128,160	33,840	162,000	FOX CONSTRUCTION
Retention	18,000	14,240	3,760	18,000	FOX CONSTRUCTION
Change Order	12,000	-	12,000	12,000	CO #1
Service Contracts	60	60	-	60	SAN DIEGO DAILY TRANSCRIPTS
	1,309	1,309	-	1,309	MAYER REPROGRAPHICS INC
	240	240	-	240	UNION TRIBUNE PUBLISHING CO
	800	800	-	800	SIMON WONG ENGINEERING
Infrastructure Equipment & Materials					
Money moved to P2466	(10,000)		(10,000)	(10,000)	Moved to P2466
Meter Boxes					
Water Loss					
Accpt/close-out	10,000		10,000	10,000	
Total Construction	\$ 309,865	\$ 240,770	\$ 69,095	\$ 309,865	
Grand Total	\$ 310,000	\$ 240,905	\$ 69,095	\$ 310,000	

P:\WORKING\CIP R2081\Graphics\Exhibits-Figures\AR2081_PDR Figure 1-1 Location Map.dwg 7/26/2006 8:08:44 AM PST



SCALE: 1"=2,000'



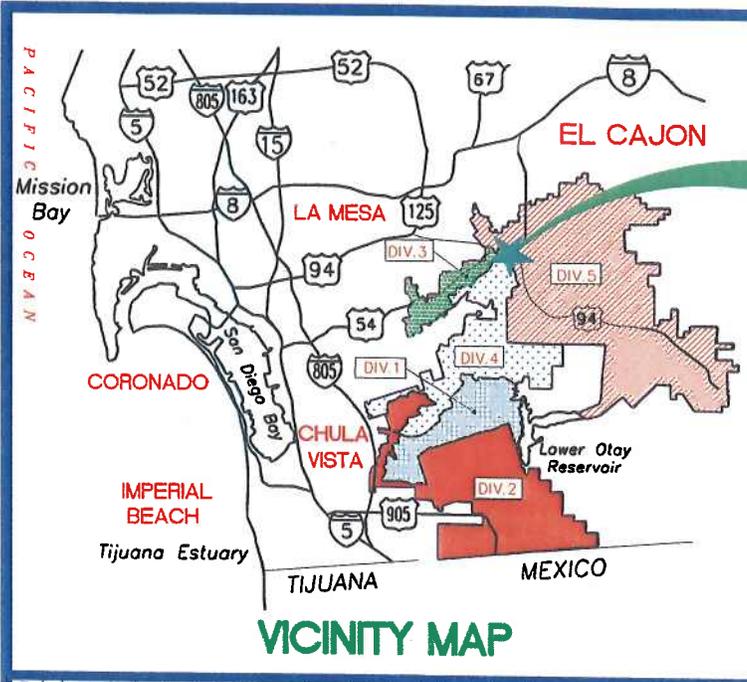
OTAY WATER DISTRICT

REC-PL 20-INCH, 944 ZONE,
LANE AVE - PROCTOR VALLEY RD /POND NO.1

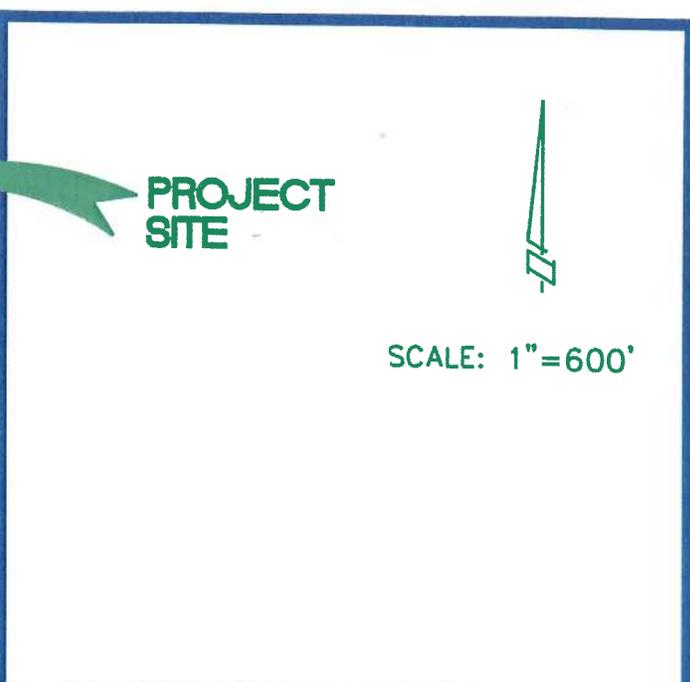
LOCATION MAP

CIP R2081

EXHIBIT A-1



VICINITY MAP



PROJECT SITE



SCALE: 1"=600'

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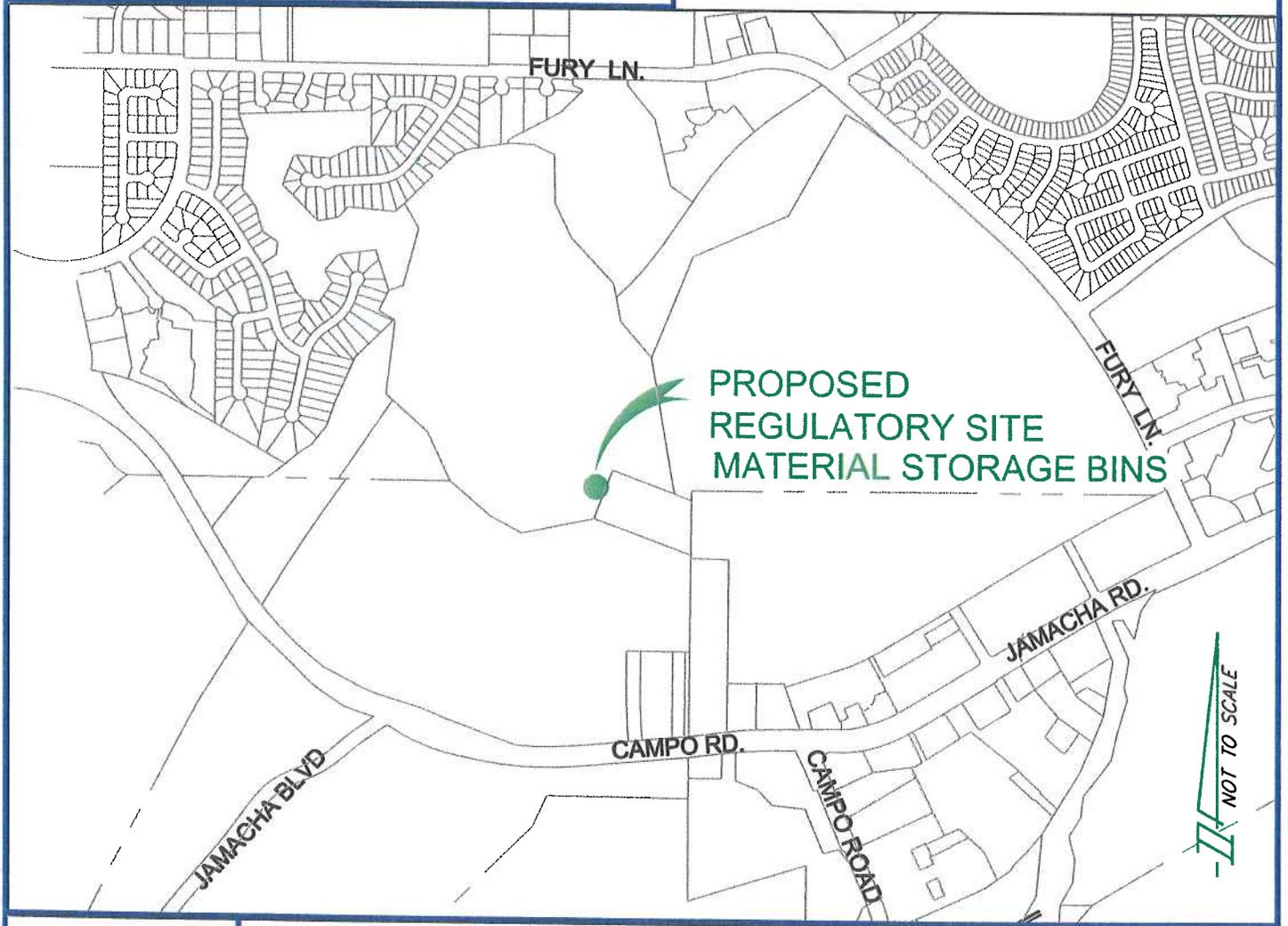
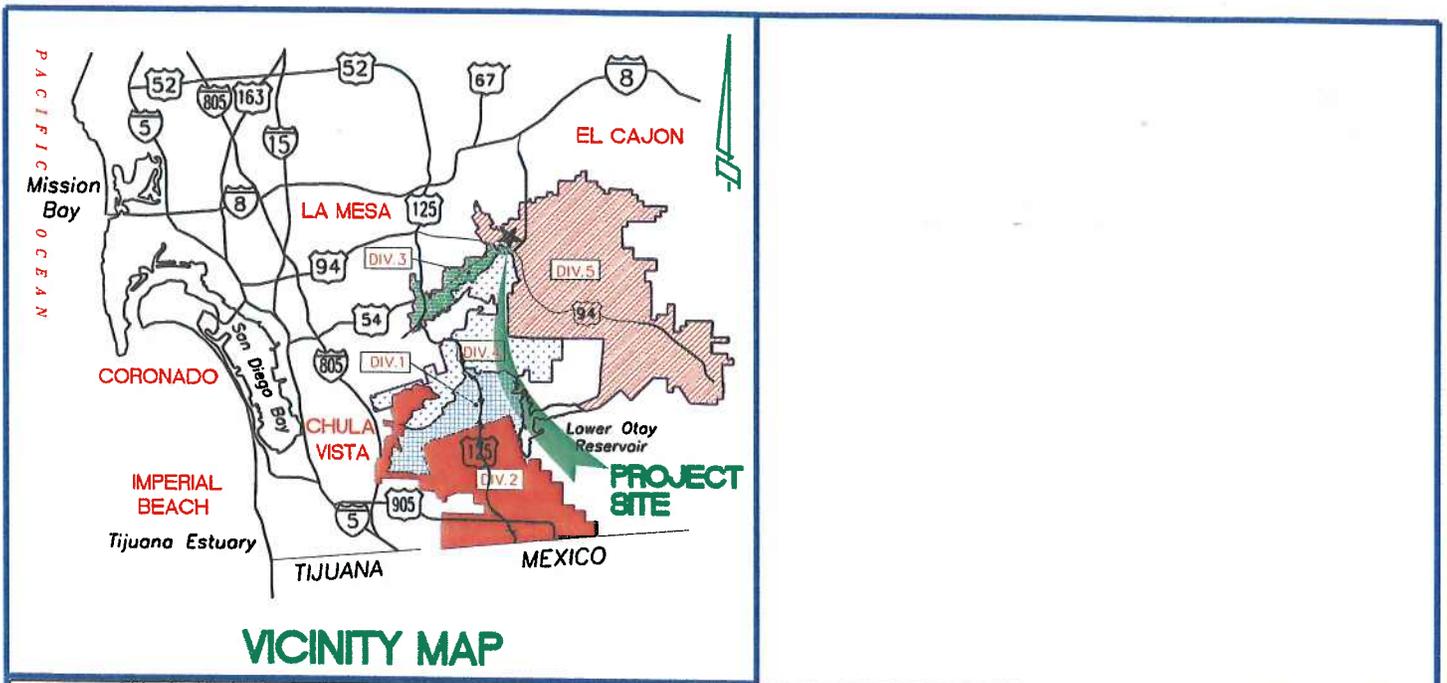


OTAY WATER DISTRICT
 CALAVO LIFT STATION REPLACEMENT

LOCATION MAP

CIP# S2015

EXHIBIT A-2



OTAY WATER DISTRICT

REGULATORY SITE MATERIAL STORAGE BINS
LOCATION MAP

P2465

AGENDA ITEM 7



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009
SUBMITTED BY:	Ron Ripperger <i>[Signature]</i> Engineering Manager	PROJECT / SUBPROJECT:	D0034- DIV. 2 xx9635 NO.
APPROVED BY: (Chief)	Rod Posada Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña Assistant General Manager, Engineering and Operations		
SUBJECT:	Informational Item on The Pointe Installation of a 42-Inch Pipeline in Jamacha Boulevard Right-of-Way		

GENERAL MANAGER'S RECOMMENDATION:

This is an informational item and no action by the Otay Water District (District) Board is required at this time.

COMMITTEE ACTION: _____

Please see Attachment A.

PURPOSE:

To provide an update to the District Board on the status of the on-going coordination with The Pointe and Gosnell Builders (The Pointe) concerning installation of a 42-Inch Pipeline in Jamacha Boulevard Right-of-Way.

ANALYSIS:

Staff previously updated the Board at the December 15, 2008 Closed Session meeting regarding the on-going coordination with The Pointe including its desire to install the 42-Inch Pipeline in Jamacha Boulevard. At that time, Staff indicated that there were serious concerns about the condition of the pipe due to the long-term exposure to the elements and not following the manufacturer's standard recommendations and whether or not it complied with the applicable industry standards governing CML&C steel pipe.

To address Staff's concerns about the pipe, the District's as-needed corrosion engineering firm, Schiff & Associates (Schiff), was consulted

to help understand the condition of the pipe and whether or not it could be used for its intended use by The Pointe. As presented at the Board meeting, it was clear that the pipe in its current condition did not meet the applicable industry standards. Specifically, Schiff indicated in its November 18, 2008 report several concerns and that as a minimum, 20% of the interior lining, (randomly selected section pieces) be tested in detail. Staff had previously sent a letter to Pat Donnelly at The Pointe on December 3, 2009 (see Attachment C) outlining what steps could be taken to put the District in a better position in considering accepting the pipe.

Subsequent to the Board update, Staff followed up with Schiff to determine what testing was available to evaluate the condition of the interior lining of the pipe and the suitability of the pipe as a whole. Schiff's recommendation was to perform a pull test of the interior lining on a representative sample of pipe to determine the probable condition of all the pipe lining. Staff transmitted this information to The Pointe, recommending they perform this type of testing with Schiff or a firm similarly qualified to resolve the condition of the interior lining. The Pointe subsequently hired Schiff to perform the pull testing of their pipe and prepare a report documenting the results of the testing. Schiff was not too concerned with the exterior of the section pieces due to the existing underlying tape wrap which would provide the critical corrosion protection needed.

On March 3, 2009, Staff received Schiff's draft report from The Pointe. This report is attached as Attachment B. It is clear from the report, that based on Schiff's testing of the pipe, that a complete failure of adhesion of the cement-mortar lining to the steel cylinders has occurred. Schiff's recommendation to The Pointe is that the lining in all thirty-four (34) section pieces be replaced. To bring the pipe to a condition that allows long-term performance, the lining will have to be replaced in its entirety.

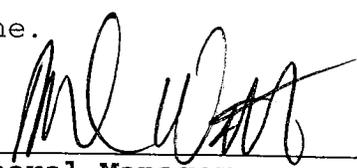
FISCAL IMPACT:



None.

LEGAL IMPACT:

None.



General Manager

P:\Public-s\Developer\The Pointe 42-inch D0034-xx9635 & 2382\BD 04-01-09, Staff Report, The Pointe, 42-Inch Pipeline, (RR-RP).doc

Attachments: Attachment A
Attachment B
Attachment C



ATTACHMENT A

SUBJECT/PROJECT: D0034-xx9635	Informational Item on The Pointe Installation of a 42-Inch Pipeline in Jamacha Boulevard Right-of-Way
---	---

COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

ATTACHMENT B



SCHIFF ASSOCIATES

FIFTY YEARS OF PROFESSIONALISM

sfox@schiffassociates.com

www.schiffassociates.com

Consulting Corrosion Engineers – Since 1959

March 2, 2009

THE POINTE & GOSNELL BUILDERS INTERNATIONAL
3130 Bonita Road, Suite 200
San Diego, CA 91910

Attention: Mr. Pat Donnelly, P.E.

RE: Corrosion Engineering Services
42-inch Jamacha Road Pipeline Lining
Inspection - DRAFT REPORT
Spring Valley, CA
SA#08-1442ENG

Schiff Associates (Schiff) has completed our investigation of the 42-inch Jamacha Road Pipeline lining investigation. The purpose of this investigation is to establish a level of confidence as to the long term serviceability of the pipes' lining based upon American National Standard ANSI/ASQ Z1.4-2003, "Sampling Procedures and Tables for Inspection by Attributes" Tables I and Table II-A (General Inspection Level II; Acceptance Quality limit of 1.5 per 100 items). The work was authorized by Gosnell Builders Corporation of California Agreement No.1 dated January 5, 2009.

The pipe segments under investigation are stored at the intersection of Sweetwater Springs Boulevard and Jamacha Boulevard. Because of project delays, the pipe sections have been stored onsite for approximately three years. The pipe segments were manufactured by West Coast Pipe and have a nominal inside diameter of 42-inches, a 3/4 inch thick cement-mortar interior lining, a 50 mil factory cold applied tape wrap coating to the main steel cylinder, a hand-applied cold tape wrap system over the bell, and a 1-1/4 inch thick cement-mortar overcoat. The pipe was manufactured to AWWA C200, C205, and C214 standards and well as adhering to Water Agencies' Standards (WAS), Section 15061 for the San Diego County Area as adopted by the Otay Water District (OWD).

A preliminary non-destructive lining inspection was performed October 29, 2008 by OWD with a concern for latent defects. The results of this inspection were inconclusive as to whether or not all of the cement-mortar lining was still adhered to the steel cylinder, a necessary lining feature to passivate the embedded steel cylinder. Results of the preliminary inspection were provided in a letter report to OWD dated November 6, 2008.

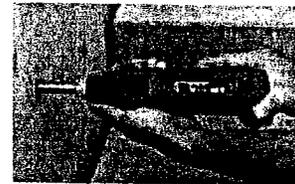
As stated above, this investigation was to establish a level of confidence as to the long term serviceability of the pipes' lining based upon ANSI/ASQ Z1.4-2003, i.e., determine with a level of confidence that the cement-mortar lining is adhered to the steel cylinder. Using this guideline,

Kearny Mesa West Business Park
7250 Engineer Road, Suite H · San Diego, CA 92111
Phone: 858.874.0014 · Fax: 858.874.8180

eight randomly selected pipe segments from a pipe segment population of 34 will provide a 99% level of confidence that the pipe segments' lining is adhered to steel cylinder. Should the adhesion of the cement-mortar lining to the steel cylinder be compromised in any one of the randomly selected pipe segments, a lining failure is said to occur in all 34 pipe segments based upon ANSI/ASQ Z1.4.

Initially, ten pipe segments or mark numbers (MK) were randomly selected using the Microsoft Excel random number generator: 24, 29, 9, 10, 4, 31, 14, 21, 1, and 28. MK's 14 and 1 were discounted because MK 14 has suffered fire damage and is already slated for repair and MK 1 could not be located. Once located in the yard, each pipe segment received a thorough visual and aural inspection. The results of this inspection were compiled and compared to one another ranking the pipe segments in the following descending order as to the number and frequency of anomalies documented for destructive testing purposes: 10, 24, 29, 9, 31, 4, 28, and 21. The assumption was made that the MK having the most anomalies would also be the pipe segment that was most likely to exhibit a lining adhesion problem. If no lining adhesion problems were found, the next MK from the prioritized list would be destructively tested. The results of the visual and aural inspections are included as an attachment to this letter.

After the MKs were visually and aurally inspected, the next step in Schiff's inspection was to perform additional non-destructive testing to further identify potential lining delaminations from the steel cylinder. This testing involved the use of a Proceq Schmidt Hammer Model H2975-L using American Society for Testing and Material (ASTM) C805-C805M-08, *Rebound Number of Hardened Concrete*, as a guideline. Similar to an aural inspection, this technique is used to identified delaminated or unsound concrete by measuring the concrete's, or in this project's case, cement-mortar, rebound energy after being impacted with a calibrated hammering mechanism. Tests were performed in areas with and without suspected lining delaminations for comparison. In areas where lining delaminations were suspected, the rebound energy measurements were more varied and were approximately 20% lower than adjacent well adhered cement-mortar lining. Schmidt hammer test results are included as an attachment to this report.



The final step to Schiff's investigation involved destructive testing of the identified potential lining delamination areas. Destructive testing was performed using ASTM C1583/C 1583M-04, *Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)*, as a guideline and a Proceq Dyna Z16 Pull-Off Tester. This test involved coring the cement-mortar lining to the steel substrate, affixing a 50 mm diameter pull-off test disk or dolly with epoxy, and measuring the force required to pull the dolly free from the steel substrate. The force to pull off the test dolly ranged from 0 to 21 psi. A test result of 0 psi indicates a lining adhesion failure. In addition, slight corrosion was noted in some test locations which is also indicative of a lining adhesion failure. Test results are included as an attachment to this report.

Based upon Schiff's investigation and the parameters outlined in ANSI/ASQ Z1.4, a complete failure of adhesion of the cement-mortar lining to the steel cylinder has occurred. To achieve the desired long service life afforded to the steel cylinder by a cement-mortar lining system, the lining in all 34 MKs should be replaced.

Our services have been performed with the usual thoroughness and competence of the engineering profession. No other warranty or representation, either expressed or implied, is included or intended.

Please call if you have any questions.

Respectfully Submitted,
SCHIFF ASSOCIATES

DRAFT

Steven R. Fox, P.E.
Senior Corrosion Engineer

Attachments:

08-1442 Lining Invgtn rev01 (srf_ef_bc_srf).docx



**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
10	0	0.5	5:00	6:00	micro cracks
	0	0.5	11:30		3 micro cracks
	1		10:30		Hollow
	7		9:00		Hollow
	8		0:00	12:00	Repaired crack. At 5 o'clock chip outs probably due to the offset repair. 12 o'clock has the same problem.
	13		12:00		Hollow
	13.5		0:00	12:00	Repair is slightly offset. At 12 to 1 o'clock there are small micro cracks that stretch to 16 feet.
	16		9:00	3:30	Repair done from 9:00 to 3:30. At 3:30 a chunk is missing.
	17.5		9:00		Hollow
	17.5		3:00		Hollow
	18		4:00		Hollow
	18.5		3:00	9:00	Repaired crack. 4:00 to 5:30 is slightly offset
	22.5		9:00		Hollow
	23		0:00	12:00	Repair done on full diameter. At 9:30 to 11 o'clock there are chips missing due to offset repair.
	23		4:00		Hollow
	24		3:00		Hollow
	25		9:00		Hollow
	29.3		3:30		Hollow
	29.3		10:00		Hollow
	31		0:00	12:00	Repair job done on the full diameter of the pipe. At 5:45 there are 2 micro cracks off of the repair.
31		9:00		Hollow	
35	1.5	9:00		Small micro crack with small pin size holes	
39		2:00	5:30	Repaired crack.	



the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
24	0.5	1			Healing micro crack
	2.5				Healing micro crack
	3.6				Healing micro crack with T shape
	8		7:00	5:00	Offset crack. 6:00 has healing miro crack.
	8		2:00		Hollow
	9		9:00		Hollow
	14		0:00	12:00	Repaired crack runs the full diameter of the pipe. From 3:00 to 9:00 the repair is offset.
	14		3:00		Hollow
	19.5		7:00	4:00	Thick repair
	19.5		4:00		Chip away
	19.5		1:45		Hollow
	21.5		4:00		chip away pieces- see picture
	23.5		2:00		Hollow
	23.5		9:00	3:00	12:00 to 1:00 mmg is offset. Repair runs from 9 to 3 o'clock. Thick repair from 9 to 12 o'clock. 10 o'clock repair did not stick to the area. Recommended to smooth out area.
	27	4	5:30		Micro Crack
	30		5:00		Hollow
	31		0:00	12:00	See picture notes for the description of each clocksequence. 7:30 to 11:45 therepair is offset.
	34.5		6:30	4:00	Crack runs from 6:30 to 4 o'clock. there are chip outs at 6:30, 8:30, 9, and 10 o'clock.
	34.5		3:00	5:00	Hollow
	34.5		7:00		Hollow
35	5	4:00		Small hair line cracks	
35	5	8:00		Small hair line cracks	



**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
29	0.75		0:00	12:00	Repaired crack.
	0.75	0.75	11:00		Micro cracks
	6.5	1	3:00	4:00	Micro crack
	7	1	4:00		Repair job. There are small pin holes at the 8 ft mark in the 4 o'clock area. Micro crack at 4:00
	10.5		0:00	12:00	Crack runs full diameter. Small micro cracks are running off at 12, 2, 3, 10, and 11 o'clock.
	10.5		9:00		Hollow
	10.5		4:00		Hollow
	14		8:00	4:00	Chip out pieces are at 8, 10, 12, 2, and small chip outs at 3 to 4 o'clock.
	14		8:45		Hollow
	14		1:45		Hollow
	18	1	4:00		Micro crack. Pin size chipouts are noticed as well.
	23		0:00	12:00	Healing job repair
	20		4:30		Hollow
	22.5		3:00		Hollow
	23		1:30		Hollow
	25		4		Nice repair
	25		3:00		Hollow
	28.5		3:00	5:30	Micro crack with chip outs
	30.6		4:30		Hollow
	31.5		0:00	12:00	Repaired crack runs the full diameter of the pipe. Thin micro crack has formed from 2 to 2:30 o'clock. Chip outs were found at 8:30 o'clock.
36	2	5:00		Repaired crack	
38	2	7:00		Repaired crack	
39		5:00		Micro crack	
39		8:00		Hollow	



**the Pointe - Jamacha Widening
Otay Water District 36-Inch La Presa Realignment
Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
9	0.75		5:00		Micro crack and pin size chips
	1.5		9:00	3:00	Multiple micro cracks in 1ft 6in area
	1.6	2	7:00		Repaired cracks
	7.5		2:00		Hollow
	7.5		12:00	3:00	Chip out pieces next to Micro cracks at 2:30 o'clock
	9		2:00		Hollow
	12.5	1	0:00	12:00	Spiral crack repair. Damaged at 1:30. Lining offset at 3:00 and 6:00 to 6:30. Damaged at 9:00
	12.5		10:00		Hollow
	12.5		3:00		Hollow
	12.5		1:00		Hollow
	15		3:00		Hollow
	15		1:30		Hollow
	16.5		0:00	12:00	Repair job is offset at 9 to 1:30 o'clock. Bad chip off marks at 9 to 11 o'clock.
	23.5		11:00	6:00	Crack
	27.5		1:00	3:00	Micro crack
	27.5		9:00	11:30	Large chip pieces missing from crack
	27.5		11:45		Burn marks
	28		4:00		Hollow
	30	5	8:00		Micro cracks
	30.75		12:00	5:00	Small chips out at 1 to 2 o'clock; large chips missing from crack 4 to 5 o'clock.
35		8	1:30	Repair crack. Repair not finished. Chip pieces missing from 11:00 to 12:30	



**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
31	0.75	0.75	12:00		Crack
	0.75	0.75	1:00		Crack
	0.75	0.75	2:00		Crack
	0.75	0.75	3:00		Crack
	1.75		10:00	12:45	Crack
	1.75		9:00		Hollow
	2	3.5	11:30		Crack
	3.75		5:00	7:00	2 micro cracks running from 3 ft to 9 ft. one at 5 o'clock, and the other at 7 o'clock. The one at 7 o'clock curves towards 6 o'clock.
	9		0:00	12:00	Repaired crack around full diameter of pipe. 4 thru 5 o'clock has offset repair. Small chips have fallen off.
	10		2:45		Hollow
	13		3:00		Hollow
	14		8:00	3:00	Crack repair
	14	1	3:00		Micro crack
	17.5		1:00	3:00	Crack repair
	19	1	3:00		Micro crack with 3 pin size chips missing.
	20	2	3:00		Thin 24 inch micro crack with missing chip outs.
	22		3:00		Hollow
	23.5		10:00	2:45	Crack repair
	24		3:00		Hollow
	25		0:00	12:00	Full diameter of pipe has repair work done to it. Repair is offset from 4 to 8 o'clock.
25.5		10:45		Repair is offset and has large chip out areas.	
31.75		12:45	10:00	Pipe begins a full diameter repair from 12:45 thru 10 o'clock At 31 ft 9 inches. Then repair at 10 to 12:45 branches to 34 ft 6 inches. That location is repaired from 11 o'clock thru 4:30 o'clock. See pictures for	
34.5		10:00	12:45	Repair	
35		12:00		Mirco crack	
36		3:00		Mirco crack	
39		9:00		Mirco crack	



**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
4	1		3:00		Hollow
	1.5	0.5	12:00		Micro crack
	2.5		11:00		L-shaped micro crack
	3.5	0.5	12:00		Micro crack
	4	0.6	12:00		Micro crack. 3 inch crack in the same area.
	5	1	5:00	6:00	T-shaped crack
	5		10:00	12:00	Crack
	5		3:00		Hollow
	5		6:00		Hollow
	5		7:30		Hollow
	6	0.5	12:00		Crack
	End of Tee				
	Begin left side				
	1	1	6:00	7:00	Micro crack
	2	2.5	6:00	9:15	Micro crack
	3		7:00	2:30	Micro crack
	3	2	4:00	6:00	Y-shaped crack from 3 ft 6 inch to 4 ft 6 inch
	4	1	7:00		Micro crack
	5	0.5			Micro crack
	4	1	2:45		Crack splits two directions
	1		4:00		Hollow
	1		9:00		Hollow



the Pointe - Jamacha Widening
Otay Water District 36-Inch La Presa Realignment
Visual and Aural Inspection

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
28	8		0:00	12:00	Repaired crack runs the full Diameter of the pipe
	9.5		4:00		Hollow
	13		3:00		Hollow
	15		9:00	3:00	At 9 o'clock where the repair begins, the first 2 inches is off set. The repair runs around the diameter to 3 o'clock
	17.5		0:00	12:00	Chipped off pieces at 3:00. Lining is offset at 9:00
	18.3		2:30	7:00	Repaired crack. Lining is offset between 5 and 7 o'clock.
	26		0:00	12:00	Full Diameter has been repaired. 3, 5, 9 o'clock repair is slightly off set.
	31		0:00	12:00	Full Diameter of the pipe at 30 feet 10 inches has been repaired. At 4 o'clock there were signs of calcium build up in the repaired crack
	32			3:00	Hollow



**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Visual and Aural Inspection**

Pipe #	Distance from East End (ft)	Length (ft)	Clock Position		Notes
			Start	End	
21	0	2	6:30	8:00	4 micro cracks
	2.5		4:00	9:00	Offset repair
	10		6:00	3:00	Crack
	11.5		1:00	9:00	Crack begins at 1, and ends at 9 o'clock. Between 1 and 2 o'clock, there are large chips missing. At 8 o'clock the repair is slightly offset.
	16		2:00	4:00	Crack
	16.3	1	2:30	4:00	Spiral crack repair
	20		8:45	5:00	Micro crack. Looks as if repair was performed at 10:30.
	23.5		3:00	6:30	Micro crack
	23.5	1	5:45		Intersecting micro crack
	28	1	9:00	1:30	Spiral crack repair that loops entire pipe
	35		0:00		Hollow
	35		0:00	12:00	Crack runs the full diameter of this part of the pipe. From 8 to 12 o'clock repairs look to have been made. at the locations 12, 3, and 8 o'clock, there are chip out pieces along the crack.



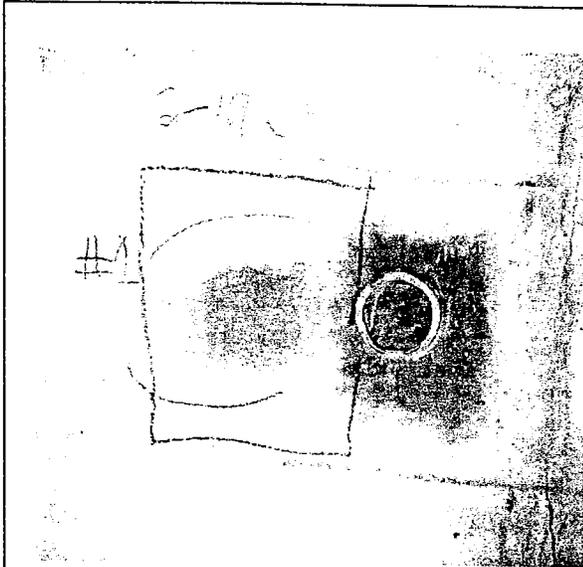
**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Schmidt Hammer and Pull-Off Test
 Pipe # 10 1/27/2009**

Distance from East End (ft)	Pull Test Number	Clock Positions	Schmidt Hammer Reading				Suspected Adhesion Failure	Pull Test Reading (psi)	Notes
			West	East 1"	East 2"	Average			
10		11:59	53	53	55	54	No	NA	
		12:00	53	53	54				
		12:01	53	54	54				
12	4	12:03	52	34	38	44	Yes	NA	Core came off during drilling. Drill bound to cause failure.
		12:04	51	45	49				
		12:05	34	45	48				
17	3	3:00	45	41	41	45	Yes	15	The test was repeated here since core remained in place.
		3:01	47	47	45				
		3:02	47	45	43				
19	2	3:00	48	46	46	44	Yes	None	Came off with slight touch
		3:01	47	46	42				
		3:02	43	41	39				
20		3:00	46	47	46	43	No	NA	
		3:01	46	42	44				
		3:02	36	38	40				
29		3:00	34	32	32	36	No	NA	
		3:01	42	40	38				
		3:02	40	40	40				
		3:03	42	38	38				
31	1	3:00	33	24	24	22	Yes	12	The test was repeated here since core remained in place.
		3:01	30	28	25				
		3:02	24	24	32				
		3:03	28	30	42				
34		2:30	31	30	34	35	No	None	Control
		2:31	36	38	42				
		2:32	33	35	40				

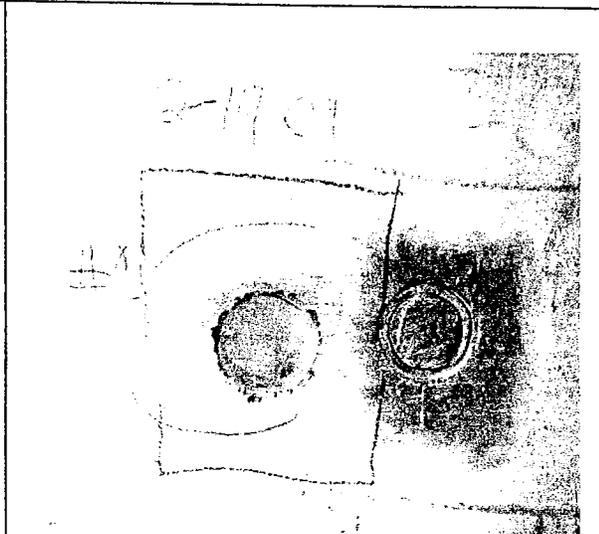


**the Pointe - Jamacha Widening
 Otay Water District 36-Inch La Presa Realignment
 Schmidt Hammer and Pull-Off Test
 Pipe # 10 2/19/2009-2/20/2009**

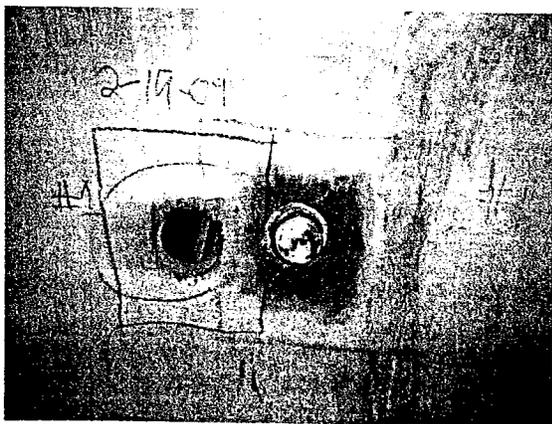
Distance from East End (ft)	Pull Test Number	Clock Positions	Schmidt Hammer Reading				Suspected Adhesion Failure	Pull Test Reading (psi)	Notes
			West	East 1"	East 2"	Average			
7	9	3:00	28	28	42	33	Hollow	Not valid	Pull tester fell off during test.
		3:01	27	32	43				
		3:02	25	30	42				
14	8	8:31	30	36	38	38	No Hollow	NA	Core came off during drilling.
		8:30	38	40	42				
		8:29	37	38	40				
17.5	7	8:31	33	31	35	36	Hollow	10	
		8:30	36	38	38				
		8:29	36	38	38				
20	2	2:31	44	42	39	42	Hollow	21	
		2:30	41	44	45				
		2:29	41	41	44				
25	6	3:00	24	24	28	27	Hollow	NA	Core came off during drilling.
		3:01	23	21	32				
		3:02	25	29	38				
29	5	8:31	40	24	28	29	Hollow	NA	Core came off during drilling.
		8:30	23	21	32				
		8:29	25	29	38				
31	1	3:31	27	36	49	37	Hollow	NA	Core came off during drilling.
		3:30	21	38	50				
		3:29	23	41	49				



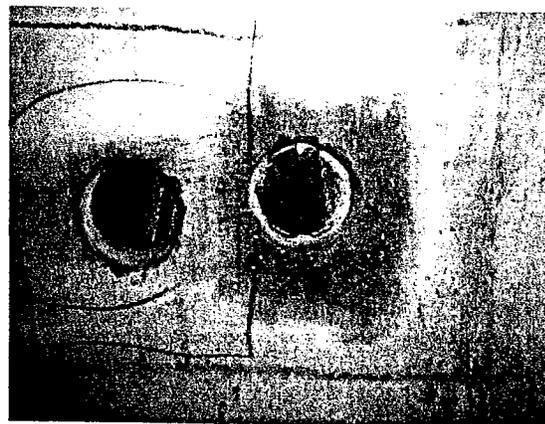
MK 10 - Pull Test 1: Site preparation



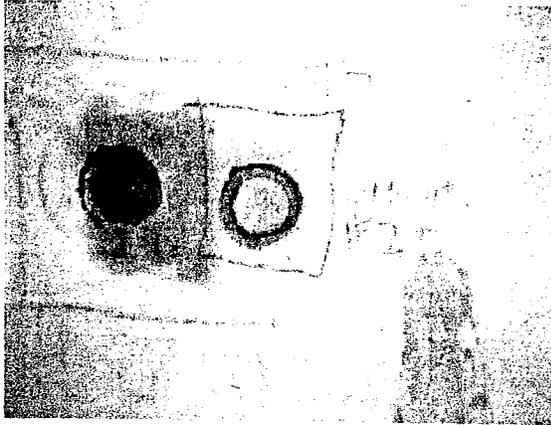
MK 10 - Pull Test 1: Core was not adhered, dust evident behind core



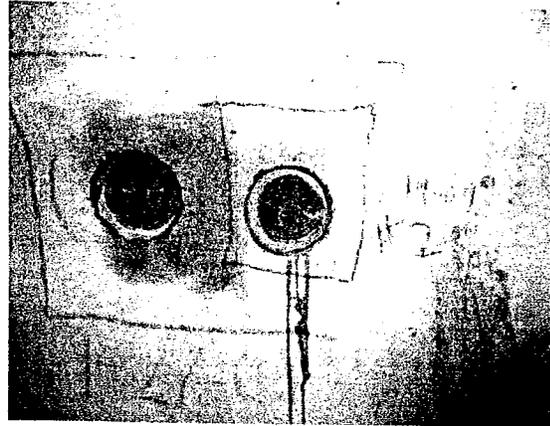
MK 10 - Pull Test 1: Core was not adhered, dust evident behind core removed



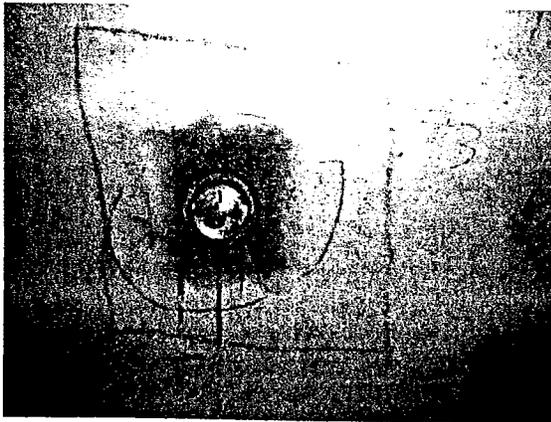
MK 10 - Pull Test 1: Slight rust in upper right corner of 2/19/09 test; adhesion of core to steel substrate of 1/27/09 test.



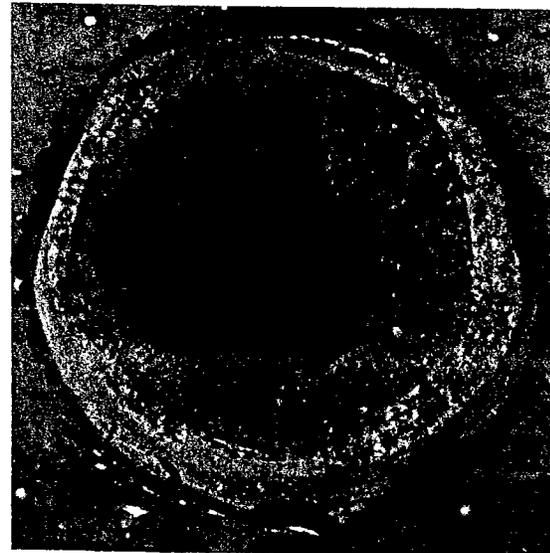
MK 10 - Pull Test 2: Site preparation; left core from 1/27/09 fell off with slight touch.



MK 10 - Pull Test 2: 1/27/09 and 2/19/09 still had adhesion as evident with the cement paste still adhered to the steel can.



MK 10 - Pull Test 3: Test preparation



MK 10 - Pull Test 3: Rust striations behind core.

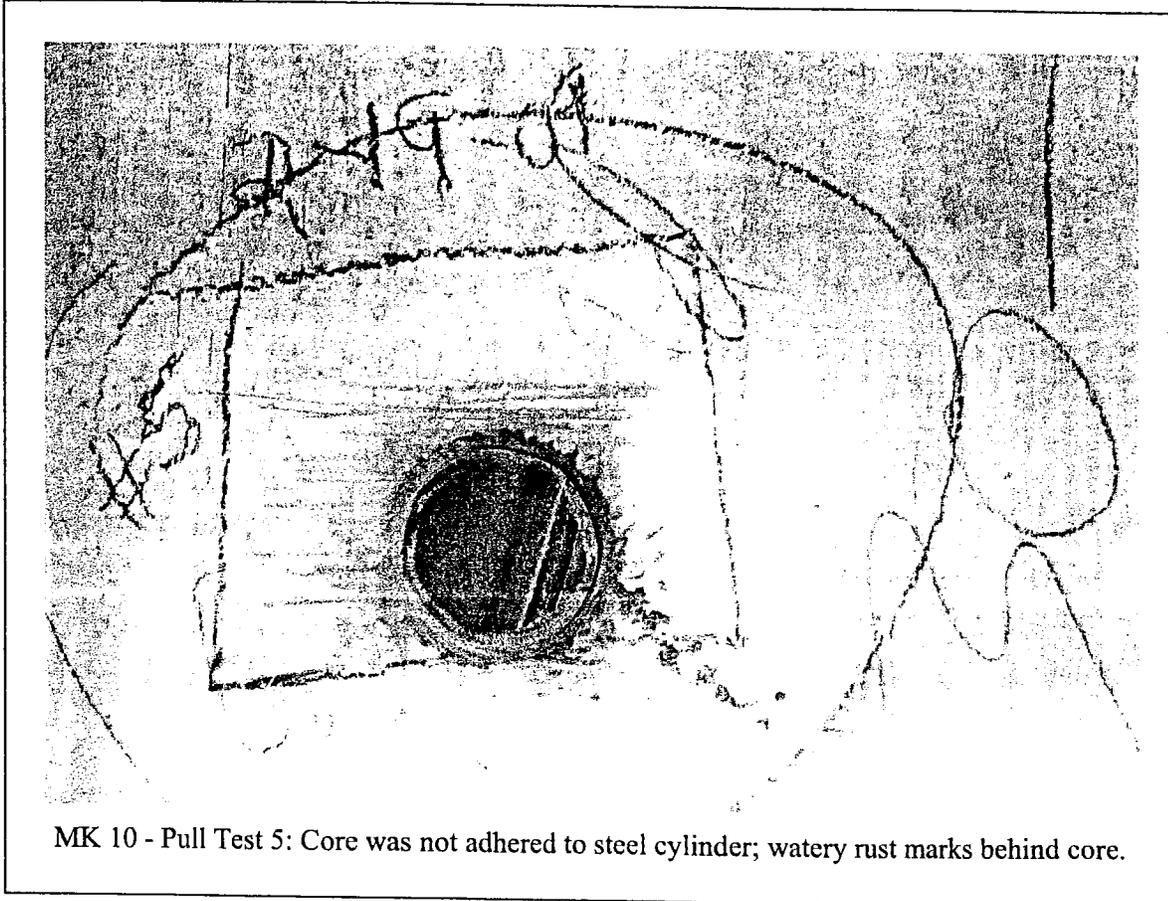


SCHIFF ASSOCIATES

CONSULTING CORROSION ENGINEERS - SINCE 1959

SFOX@SCHIFFASSOCIATES.COM

WWW.SCHIFFASSOCIATES.COM
CONSULTING CORROSION ENGINEERS - SINCE 1959



MK 10 - Pull Test 5: Core was not adhered to steel cylinder; watery rust marks behind core.

Kearny Mesa West Business Park
7290 Engineer Road, Suite A · San Diego, CA 92111
Phone: 858.874.0014 · Fax: 858.874.8180

ATTACHMENT C



...Dedicated to Community Service

2554 SWEETWATER SPRINGS BOULEVARD, SPRING VALLEY, CALIFORNIA 91978-2004
TELEPHONE: 670-2222, AREA CODE 619
www.otaywater.gov

December 3, 2008

Mr. Pat Donnelly
The Pointe Group, Ltd.
3130 Bonita Road, Suite 200
San Diego, CA 91910

Dear Mr. Donnelly:

Enclosed for your review are the reports issued by the two companies that, on October 29, 2008, inspected the 42-inch diameter pipe ("Pipe") that The Pointe Development – Gosnell Builders International ("The Pointe") proposes to install and connect to the Otay Water District ("District") distribution system. The first report, enclosed with this correspondence as Attachment A, was issued by Walls Inspection Company, Inc. (the "Walls Report"). The second report, enclosed with this correspondence as Attachment B, was issued by Schiff Associates (the "Schiff Report").

Both reports raise serious concerns regarding the integrity of the Pipe. Generally, the reports verify that (i) for nearly 36 months, the Pipe was not stored or maintained in accordance with either WAS standards or manufacturer specifications, (ii) as a consequence of such neglect, the Pipe suffered numerous instances of damage, some obvious and some not readily ascertainable; and (iii) some repairs have been performed but a large number of repairs are either inadequate or incomplete. The reports also state that it is difficult, based on a superficial visual inspection of the pipe, to determine whether the long term integrity and service life of the pipe have been compromised. Accordingly, at this time, the District is not able to authorize The Pointe to proceed with the installation or to make a commitment to accept the Pipe. In particular, the District will not accept the pipe sections numbered #14 and #24 in the Walls Report. Those sections suffered substantial fire damage and will need to be replaced.

With the exception of the two fire damaged pipe sections, the District is willing to accept the Pipe if The Pointe obtains a certification from West Coast Pipe that the Pipe, as repaired, is as good as new. In the alternative, the District would be in a better position to consider accepting the pipe if the following steps are taken:

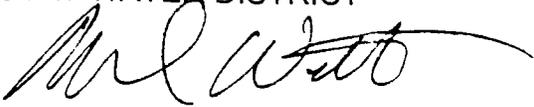
1. The Pointe engages Schiff Associates (or a similarly qualified company acceptable to the District) to conduct additional inspection and testing as set forth in the Schiff Report and

- provide a detailed report of the condition of each section of the Pipe; and
2. The report verifies that the results of the additional inspection and testing are favorable and concludes that there are no lining defects or other damage on any section of the Pipe, and/or identifies any sections of Pipe with suspect mortar lining or other damage; and
 3. All existing damage to the Pipe is repaired by a consultant retained by the Pointe and approved by the District. The damage must be remedied according to a mutually agreed upon remediation plan and consistent with the recommendations of the Walls Report, the Schiff Report, the recommendations of the report produced by the company retained by the Pointe pursuant to paragraph 1, above, and the agreed upon remediation plan.

The District understands that the Jamacha Road Project is of importance to both The Pointe and the County of San Diego and we remain committed to continue working with your personnel to move this project forward. It should be understood, however, that the District has a fiduciary obligation to its constituents to ensure that the water system, and all portions thereof, are acquired, installed and maintained in compliance with WAS standards and in accordance with all applicable requirements. To date, The Pointe has not provided evidence satisfactory to the District that the Pipe is in compliance with WAS standards for new pipe.

If you have any questions regarding this matter, you can contact Ron Ripperger at 619-670-2779 (office), 619-987-6373 (cell), or e-mail at ripperger@otaywater.gov.

Sincerely,
OTAY WATER DISTRICT



Mark Watton,
General Manager

bcc: Supervisor Dianne Jacob, Board of Supervisors

AGENDA ITEM 8



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	April 1, 2009
SUBMITTED BY:	Lisa Coburn-Boyd <i>for LCB</i> Environmental Compliance Specialist	PROJECT:	R2089- DIV. NO. N/A 001101
	Ron Ripperger <i>in</i> Engineering Manager		
APPROVED BY: (Chief)	Rod Posada <i>[Signature]</i> Chief, Engineering		
APPROVED BY: (Asst. GM)	Manny Magaña <i>[Signature]</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Informational Item regarding a Letter dated February 25, 2009 from the Sweetwater Authority regarding Recycled Water and Groundwater Extraction in the Middle Sweetwater Basin		

GENERAL MANAGER'S RECOMMENDATION:

No recommendation. This is an informational item only.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To provide the Otay Water District (District) Board with information regarding a letter dated February 25, 2009 from the Sweetwater Authority (SWA) staff (see Exhibit A) concerning their review and report to the SWA Board on the Otay Water District's (District) North District Recycled Water Concept Study and the Middle Sweetwater Groundwater Extraction Study Request for Proposal (RFP).

ANALYSIS:

While preparing the North District Recycled Water Concept Study, the District recognized SWA as a critically important stakeholder and met with SWA staff several times to discuss the

progress and results of the Study. The final report was given to the SWA staff for their review and comment. The SWA staff prepared a staff report for their February Board meeting. The SWA Board concurred with the SWA staff's report (see Exhibit B) without additional comments. The comments to the North District Study are summarized below.

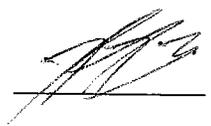
- The District should conduct an extensive and inclusive public participation/information process that includes SWA's entire service area.
- The District should conduct an extensive literature search, to provide case studies of recycled water distribution within drinking water watersheds.
- There should be a full review and approval by the California Regional Water Quality Control Board and the Department of Public Health, based on the best scientific information available. (This is addressed in the North District Study.)
- Installation of a reverse osmosis system at the District's Chapman facility to mitigate further degradation of the watershed by excessive total dissolved solids. Also, additional treatment processes, at the Chapman plant, to reduce the risk of nitrogen, viruses, and pathogens from entering the Sweetwater Reservoir.
- Monitoring by the District of BMP's to control runoff of recycled water to the Middle Basin, as well as partnering with SWA to monitor the impacts of increased recycled water use in the Middle Basin.
- A full CEQA review, including a complete Environmental Impact Report, of any and all projects proposed for the Middle Basin.
- SWA staff has requested a Memorandum of Understanding (MOU) between SWA and the District describing the process for reviewing any projects in the Middle Basin, required findings, and a path for approval to address all the issues above. Discussion of this MOU can only be initiated once SWA is satisfied that all their other conditions have been met.

The SWA staff also reviewed the District's RFP for the Middle Sweetwater Basin Groundwater Extraction Study. The SWA staff

prepared a staff report for their February Board meeting (see Exhibit C). They suggested that the RFP include an analysis of implementing an AB 3030 groundwater management plan for the basin, expansion of the scope of work to include use of the Sweetwater Reservoir as an option for storage of imported raw water from the San Diego County Water Authority which would then be pumped to the District's system. SWA staff also suggested that this project be included in the CEQA process discussed above.

District staff included some of the suggestions from SWA in the RFP presently being circulated for a pilot well in the Middle Sweetwater Basin.

FISCAL IMPACT:



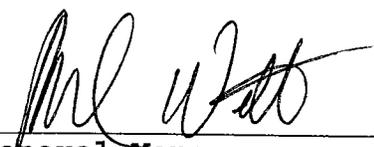
None.

STRATEGIC GOAL:

None.

LEGAL IMPACT:

None.



General Manager

P:\WORKING\CIP R2089 - North District Recycled Water\Staff Reports\BD 04-01-09, Staff Report, SWA letter Informational, (LC-B-RR).doc

LC-B/RR:cd

Attachment: Attachment A
Exhibit A
Exhibit B
Exhibit C



ATTACHMENT A

SUBJECT/PROJECT: R2089-001101	Informational Item regarding a Letter dated February 25, 2009 from the Sweetwater Authority regarding Recycled Water and Groundwater Extraction in the Middle Sweetwater Basin
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COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on March 12, 2009. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

EXHIBIT A



WATER
SWEETWATER AUTHORITY
505 GARRETT AVENUE
POST OFFICE BOX 2328
CHULA VISTA, CALIFORNIA 91912-2328
(619) 420-1413
FAX (619) 425-7469
<http://www.sweetwater.org>

2009 FEB 26 PM 9:23

cc: manny magana
Jim Peasley
Lisa Coburn-Boyd
Mark Watton

GOVERNING BOARD

W.D. "BUD" POCKLINGTON, CHAIR
RON MORRISON, VICE CHAIR
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TERESA "TERRY" THOMAS
MARGARET COOK WELSH

MARK N. ROGERS
GENERAL MANAGER

JAMES L. SMYTH
OPERATIONS MANAGER

February 25, 2009

Mr. Rod Posada, P.E., P.L.S.
Chief of Engineering
Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, CA 91978

Subject: RECYCLED WATER AND GROUNDWATER EXTRACTION IN THE MIDDLE
SWEETWATER RIVER BASIN
SWA GEN. FILE: OTAY WATER DISTRICT

Sweetwater Authority (Authority) has addressed Otay Water District's (Otay) proposed recycled water and groundwater extraction projects with its Governing Board at its February 11, 2009 meeting. The Board concurred with staff's report without additional comments. Comments to each project are as follows:

A. Phase I Recycled Water Study:

1. Because of potentially negative public perception by Authority customers of recycled water entering the drinking water system, an extensive and inclusive public participation/information process must be conducted to include the Authority's entire service area. It is recommended that this public outreach would include the requirements as listed in this letter.
2. There should be an extensive literature search to provide case studies citing recycled water distribution within drinking water watersheds, including associated impacts and mitigation measures required. This was not addressed in the Phase I Study.
3. While addressed, the Authority reiterates that full review and approval by the Regional Water Quality Control Board and Department of Public Health of the proposed project is essential. This could include an amendment of the Basin Plan. Approval must only be based on the best scientific information available with full documentation of its application and findings.

Mr. Rod Posada, P.E., P.L.S.

Re: Recycled Water and Groundwater Extraction in the Middle Sweetwater River Basin

February 25, 2009

Page 2 of 3

4. One of the main triggers for the Authority's Urban Runoff Diversion System (URDS) operation is the measurement of total dissolved solids (TDS). The reported water quality data for the recycled water has a high enough TDS that staff believes it can contribute to further degradation of the watershed, even with best management practices (BMPs) to control recycled water runoff. The Middle Basin and Sweetwater Reservoir are already in non-compliance for TDS and were included on the Environmental Protection Agency's 303(d) List (Degraded Reservoirs) in 2007. Installation of a reverse osmosis system at the Chapman Facility would mitigate this impact.
5. Based on the potential impacts from nitrogen and other high-risk constituents, staff recommends that the Chapman Facility be fitted with additional treatment processes to reduce the risk of nitrogen, viruses, and pathogens entering Sweetwater Reservoir.
6. Higher TDS runoff from recycled water could result in operating the URDS more frequently, resulting in both, higher costs and a reduction in the amount of quality runoff into Sweetwater Reservoir. If the project is implemented, Otay should partner with the Authority to utilize its established monitoring practices to determine impacts of increased recycled water use in the Middle Basin and Sweetwater Reservoir.
7. Monitoring by Otay of the effectiveness of BMPs to control runoff of recycled water from individual properties must be rigorous with established monitoring and frequency protocols, and required public reporting.
8. Since it is unusual in Southern California for the introduction of recycled water into a watershed used extensively for drinking water production, California Environmental Quality Act (CEQA) documentation should include a complete Environmental Impact Report, rather than a Negative Declaration, which would require a lower level of analysis. Otay should also review other proposed projects in the Middle Basin to determine their relationship to the recycled water project. These could include the proposed groundwater extraction project and service area annexations to determine if evaluating the recycled water project could be "piece-mealing," an approach discouraged by CEQA regulations.
9. To effectively proceed further in evaluating these projects, Otay and the Authority should consider a Memorandum of Understanding (MOU) describing a cooperative review process, required findings, and a path to approval which

Mr. Rod Posada, P.E., P.L.S.

Re: Recycled Water and Groundwater Extraction in the Middle Sweetwater River Basin

February 25, 2009

Page 3 of 3

would address, at minimum, the initial issues identified above. Initiating discussion on a MOU should only occur once the Authority has been satisfied with the conditions noted in items 1 through 8 listed above.

B. Request for Proposals (RFPs) - Groundwater Extraction in the Middle Basin

1. The proposed RFP included developing the methodology to derive the return of water to the Middle Basin used by Otay customers for irrigation purposes. The Authority concurs with this task. } only
Oatay customers
There are PDMs & HWDs. They are not included.
2. The issue of water rights is significant to the Authority. It is suggested that the RFP provide an analysis of implementing an AB 3030 groundwater management plan for this basin. - INCLUDED IN THE RFP
3. One of the items for the scope of work included analysis of aquifer storage of imported raw water from the San Diego County Water Authority. The Authority suggests this be expanded to consider for comparison purposes of utilizing Sweetwater Reservoir for storage of this water and subsequent pumping to Otay's system. - PHASE II.
4. Refer to item A(8) above. INCLUDED IN THE RFP

If you have any questions, or would like to discuss this further, please feel free to call me at (619) 409-6701.

Sincerely,

SWEETWATER AUTHORITY



James L. Smyth
Operations Manager

JLS:vls

EXHIBIT B



BOARD INFORMATION

TO: Governing Board (Operations Committee)

FROM: Management

DATE: January 28, 2009

SUBJECT: Proposed Recycled Water Project by Otay Water District in the Middle Sweetwater River Basin

SUMMARY

The Otay Water District (Otay) is proposing the use of recycled water within the Middle Sweetwater River Basin. The Middle Basin is located between Loveland and Sweetwater Reservoirs, as shown on the attached Map 1. Staff has concerns with this project and the potential impacts to Sweetwater Reservoir.

Otay currently owns and operates the 1.3 million-gallon per day Ralph Chapman Water Reclamation Facility (Chapman Facility) located approximately two miles upstream of Sweetwater Reservoir. The facility collects wastewater from customers in the Rancho San Diego and Spring Valley areas, converts the wastewater to recycled water, and then pumps the recycled water south to the Eastlake and Otay Ranch areas of Chula Vista, where it is used primarily for irrigation. With impending drought conditions, both locally and statewide, Otay is seeking to develop local water supplies. This project proposes to address this goal by rerouting the delivery of the recycled water from the Chapman Facility to the Middle Basin, including the construction of a new recycled water infrastructure to the Rancho San Diego area, or directly east of the Chapman Facility. One of the benefits to Otay is the significant potential savings of pumping this recycled water, as the Rancho San Diego area is closer and lower in elevation to the Eastlake and Otay Ranch areas. The attached Map 2 shows the location of the Chapman Facility, proposed water distribution infrastructure and potential connections to existing customers who would receive the recycled water.

Otay's draft Phase I Concept Study (Study) found the potential for 34 customers to be retrofitted to receive recycled water with a total quantity delivered of approximately 1,500 acre-feet per year, or about three percent of its potable water demands. The proposed recycled water system infrastructure would cost approximately \$15 million.

Memo to: Governing Board (Operations Committee)
Subject: Proposed Projects by Otay Water District in the Middle Sweetwater
River Basin
January 28, 2009
Page 2 of 3

The Authority has always taken a position of protecting the water quality of Sweetwater Reservoir that includes not allowing recycled water to be distributed within the Sweetwater Reservoir watershed. Actions to protect the watershed have included the construction of the Urban Runoff Diversion System (URDS) located along the east and north sides of Sweetwater Reservoir, and an active process of watershed development review and monitoring. While supportive of recycled water use in general, staff has concerns with the proposed project and has reviewed the Study, which addresses a number of issues including regulatory implications. Attached is a table noting recommendations by the consultant to Otay with respect to protection of Sweetwater Reservoir as well as comments by Authority staff.

FISCAL IMPACT

There are no costs other than staff time to examine the issues related to this project.

POLICY

Cooperation with adjacent water agencies has been conducted in the past as they seek projects to improve reliability. However, the Authority spends considerable resources (e.g., URDS, water quality monitoring, treatment at the Perdue Treatment Plant) to create a multi-barrier approach to protect the water quality at Sweetwater Reservoir. This includes the **Governing Board's directive to have staff review development activities in the entire Sweetwater River watershed and to provide comments regarding impacts on water resources to the respective agency with planning jurisdiction.**

Additionally, a resolution passed by the Governing Board established the Authority's policy regarding urban runoff protection for Sweetwater Reservoir. This resolution provides for the collection of urban runoff protection fees from all developments within the lower Sweetwater Reservoir drainage basin to pay for a portion of the URDS.

ALTERNATIVES

Implementation of staff's comments to this Study noted in the attached table will add significant costs to the project by Otay (i.e., reverse osmosis, nitrogen/virus/pathogen treatment, and comprehensive public outreach). One alternative is to follow the SR-125 air quality approach by having Otay conduct baseline and post project monitoring. If impacts greater than an established baseline are observed, Otay would be responsible for any costs associated with enhanced water treatment and/or increase in URDS operation and maintenance. These conditions would be addressed in a Memorandum of Understanding.

Memo to: Governing Board (Operations Committee)
Subject: Proposed Projects by Otay Water District in the Middle Sweetwater
River Basin

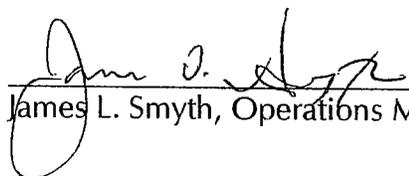
January 28, 2009

Page 3 of 3

RECOMMENDATION

This is an information item only. Staff is providing a direction that is consistent with the policies implemented to protect water quality at Sweetwater Reservoir. However, staff desires comments from the Governing Board to provide to Otay Water District.

Submitted by:


James L. Smyth, Operations Manager

Approved by:


Mark Rogers, General Manager

TABLE

Comments by Otay Water District Consultant	Sweetwater Authority Staff Responses
<p>1. The Middle Sweetwater River Basin aquifer is designated as a Beneficial Use in the Regional Water Quality Control Board (RWQCB) Basin Plan because it is a source of drinking water. The Basin Plan sets standards Otay would have to meet when discharging recycled water without degrading the aquifer in a way that diminishes this use. The California Department of Public Health (DPH) has similar standards.</p> <p>Water quality data was provided for the recycled water that is currently produced by the Chapman Facility. With the exception of Total Dissolved Solids (TDS) and Total Nitrogen (TN), most constituents found in the recycled water produced by the Chapman Facility meet both, the Basin Plan objectives and Title 22 drinking water regulations.</p>	<p>1. Full review and approval by the RWQCB and DPH of the proposed project is essential. This could include an amendment of the Basin Plan, which would be lengthy and expensive. Approval must only be based on the best scientific information available with full documentation of its application and findings.</p> <p>One of the main triggers for the URDS operation is the measurement of TDS, or the amount of mineral/salt loading that travels from sources, across streets and other hardscape and into the storm drains in the watershed. The reported water quality data for the recycled water has a high enough TDS that staff believes it can contribute to further degradation of the watershed. The Middle Basin and Sweetwater Reservoir are already in non-compliance for TDS and were included on the Environmental Protection Agency's 303(d) List (Degraded Reservoirs) in 2007. Installation of a reverse osmosis (RO) system at the Chapman Facility would mitigate this impact.</p>
<p>2. Otay would have to develop new treatment processes to mitigate nitrate and disinfection requirements. Excess nitrogen in runoff can lead to further degradation and eutrophication of Sweetwater Reservoir. Measures to mitigate the higher nitrogen content include incorporating removal of nitrogen modifications to the Chapman Facility, potential wetlands in the watershed, and nitrification uptake by landscape during nitrification. Wetlands construction (on Authority lands) would require close coordination with the Authority's Biologist to ensure the existing permits and programs are not negatively impacted.</p>	<p>2. Based on the potential impacts of TDS as well as nitrogen and other high risk constituents, staff recommends that the Chapman Facility be fitted with RO treatment to reduce TDS and additional treatment processes to reduce risk of nitrogen, viruses, and pathogens entering Sweetwater Reservoir. This comment was included in the comments addressed to Otay in the mid-1990s when this project was originally conceived.</p>
<p>3. The Authority's URDS is effective in protecting Sweetwater Reservoir from runoff of recycled water.</p>	<p>3. Higher TDS runoff from recycled water could result in operating the URDS more frequently resulting in both, higher costs and reduces the amount of runoff of good quality runoff into Sweetwater Reservoir. If the project is implemented, Otay should partner with the Authority to utilize its established monitoring practices to determine impacts of increased recycled water use in the Middle Basin and Sweetwater Reservoir.</p>

Comments by Otay Water District Consultant	Sweetwater Authority Staff Responses
<p>4. Otay would have to develop programs including rules and regulations and Best Management Practices (BMPs) for recycled water use at the proposed customer sites. This includes BMPs to minimize the amount of runoff of recycled water from properties infiltrating the Middle Basin watershed or aquifer system. Proper staffing levels for monitoring and compliance enforcement could help in lowering the risk of the recycled water reaching Sweetwater Reservoir.</p>	<p>4. Monitoring by Otay of the effectiveness of BMPs to control runoff of recycled water from individual properties must be rigorous with established monitoring and frequency protocols and required public reporting.</p>
<p>5. There is concern about public perception and political challenges to the project due to the proximity of Sweetwater Reservoir. Therefore, Otay should coordinate with the Authority to develop a comprehensive public outreach program to determine public opinions and potential project acceptance.</p>	<p>5. Because of potentially negative public perception for Authority customers of recycled water entering the drinking water system, an extensive and inclusive public participation/information process must be conducted to include the entire Authority service area. It is recommended that this public outreach note the requirement by the Authority for the addition of RO and other treatment processes at the Chapman Facility. There should be an extensive literature search to provide case studies citing recycled water distribution within drinking water watersheds and associated impacts and mitigation measures required. This was not addressed in the draft Study.</p>
	<p>6. Since the introduction of recycled water into a watershed extensively used for drinking water production is unusual in Southern California, California Environmental Quality Act (CEQA) documentation should include a complete Environmental Impact Report (EIR) rather than a Negative Declaration which would require a lower level of analysis. Otay should also review other proposed projects in the Middle Basin to determine their relationship to the recycled water project. These could include the proposed groundwater extraction project and service area annexations to determine if evaluating the recycled water project could be "piece-mealing," an approach discouraged by CEQA regulations.</p>
	<p>7. To effectively proceed much farther in evaluation of the project, Otay and the Authority should consider a Memorandum of Understanding (MOU) describing a cooperative review process, findings that would be required to be made, and a path to approval which would address at minimum the initial issues identified above.</p>

EXHIBIT C



BOARD INFORMATION

TO: Governing Board (Operations Committee)

FROM: Management

DATE: January 28, 2009

SUBJECT: Proposed Groundwater Extraction Project by Otay Water District in the Middle Sweetwater River Basin

SUMMARY

The Otay Water District (Otay) is proposing a groundwater extraction feasibility study within the Middle Sweetwater River Basin. The Middle Basin is located between Loveland and Sweetwater Reservoirs, as shown on the attached map. Staff has concerns with this project and the potential impacts to Sweetwater Reservoir. Otay is proceeding with this study due to its continued concern with regional water supply issues. Potential development of local groundwater would offset a portion of their needs for imported water. Also, Otay is requiring any new developments to provide offsets of their projected water supply requirements. Therefore, developers could provide funding to Otay for projects like this.

This project was originally analyzed by both Otay and the Authority in the early 1990s. Three reports were completed by NBS Lowry and Dr. Michael Welsh that provided a number of alternatives for extraction with the potential to pump and treat approximately 815 acre-feet per year. This amount was based on the imported water used by Otay's customers within this basin for irrigational purposes that would percolate from their properties into the Middle Basin aquifer. Otay believes this quantity is now 1,000 acre-feet per year due to growth in the area.

At this stage, Otay has developed a draft Request for Proposal and received general comments from Authority staff to this proposal. The proposed project goals are to update previous investigations completed in the 1990s, prepare a groundwater project implementation plan, and construct pilot monitoring and extraction wells. Generally, two concepts are presented in the scope of work: 1) extraction of groundwater that was placed there by customers of Otay in the area that drains into the Middle Basin by means of their

Memo to: Governing Board (Operations Committee)
Subject: Proposed Groundwater Extraction Project by Otay Water District in the Middle
Sweetwater River Basin

January 28, 2009

Page 2 of 2

use of imported water used for irrigation, and 2) extraction of groundwater that is placed by injection and/or spreading basins of imported San Diego County Water Authority untreated water (i.e., aquifer storage and recovery).

The scope of work also requires discussion on the legal setting with respect to water rights by the Authority as well as the City of San Diego and stakeholder meetings with regulatory agencies.

FISCAL IMPACT

There are no costs other than staff time to address the issues related to this project.

POLICY

Cooperation with adjacent water agencies has been conducted in the past as they seek projects to improve reliability. However, the Authority has taken a position that mitigation is required at times when water quality, water rights or other areas of operations are impacted.

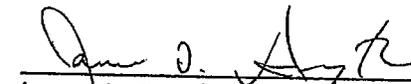
ALTERNATIVES

Not applicable.

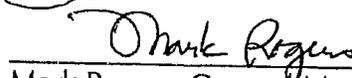
RECOMMENDATION

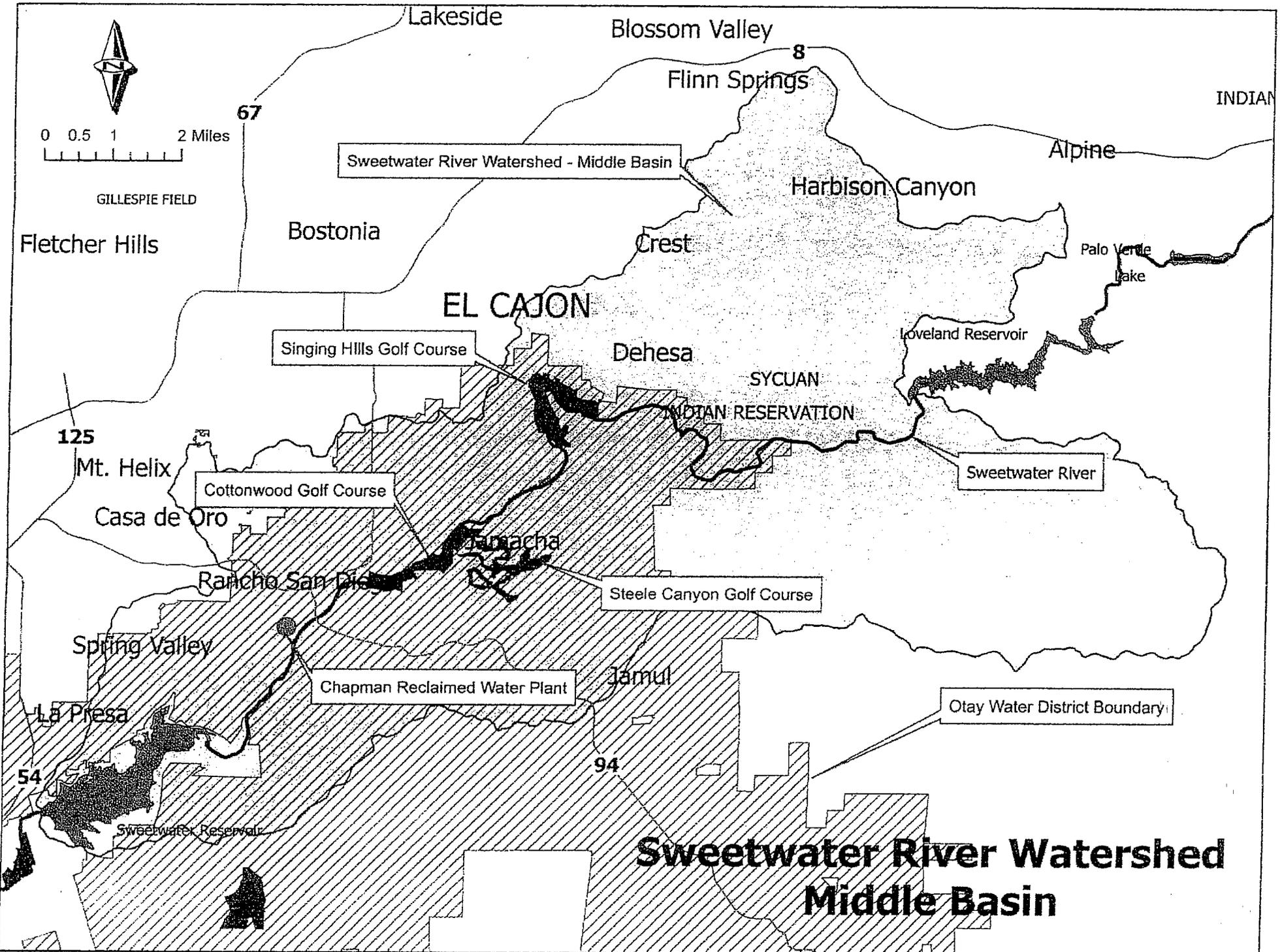
This is an information item only. However, comments from the Governing Board are desired to provide to the Otay Water District.

Submitted by:


James L. Smyth, Operations Manager

Approved by:


Mark Rogers, General Manager





AGENDA ITEM 9

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	March 4, 2009
SUBMITTED BY:	Geoffrey Stevens, Chief Information Technology and Strategic Planning	W.O./G.F. NO:	DIV. NO.
APPROVED BY: (Chief)	German Alvarez, Assistant General Manager, Administration and Finance		
APPROVED BY: (Asst. GM):			
SUBJECT:	FY 2009 Strategic Plan and Performance Measures Report		

GENERAL MANAGER'S RECOMMENDATION:

No recommendation. This is an informational item only.

COMMITTEE ACTION:

See Attachment A.

PURPOSE:

To provide a fiscal mid-year report on the District's Strategic Performance Plan.

ANALYSIS:

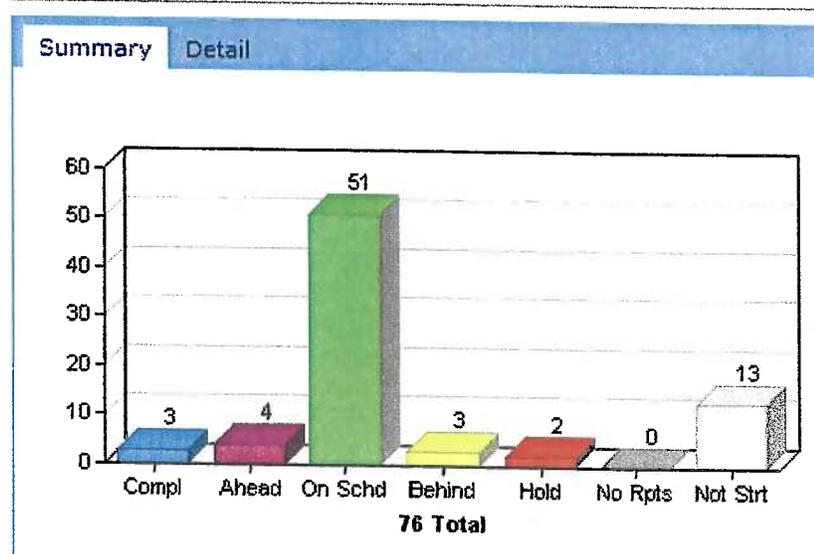
The District has completed the first half of the Strategic Plan for FY 2009. Overall, results continue to be positive with the District exceeding its target for both strategic plan objectives (at least 95% complete or on track) and performance measures (at least 88% on target). Detailed information on each objective and measure is also available electronically on the Board Extranet. Looking at these results in more detail:

Strategic Plan Objectives- Changing to Meet Future Needs

Strategic plan objectives are designed to ensure we are making the appropriate high-level changes necessary to move the agency in the planned direction to meet new challenges and opportunities. Overall performance of strategic plan objectives is positive with 58 of 76 objectives (95%) complete, ahead of or on schedule. 15 items are on hold or are not scheduled to start and are thus excluded from the calculation. Three items are behind schedule.

FY 09 Objectives

Objectives: All Scorecard Areas

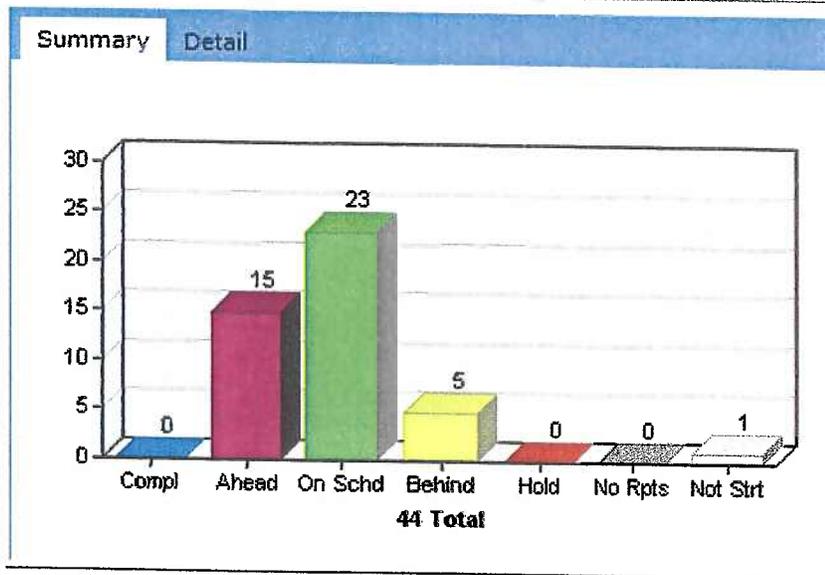


Performance Measures - Monitoring Day-To-Day Performance

Performance measures are designed to track the day-to-day performance of the District. Sometimes referred to as a "dash board", these items attempt to measure the effectiveness and efficiency of daily operations. The overall goal is that at least 75% of these measures be rated "on target". District results in this area are also positive with 38 of 44 (88%) items achieving the desired level or better. One item, which is a once yearly survey, is not scheduled to start and is thus excluded from the calculation.

FY 09 Performance Measures

Measures: All Scorecard Areas



38/44 Measures on or ahead of schedule (88%).
Target is 75%.

Balanced Scorecard - External View

The Balanced Scorecard methodology is designed to ensure that a company is performing consistently on a wide range of measures necessary to ensure both short-term and long-term improvements. From this perspective the results are also positive. In all four categories the District is on or ahead of schedule or target.

Balanced Scorecard Perspective

FY 2009 • Qtr 2 • All Departments

Customer		Financial		Learning and Growth		Business Processes	
Objectives	Measures	Objectives	Measures	Objectives	Measures	Objectives	Measures

Green = meets or exceeds/ Red = does not meet

Departmental Perspective - Internal View of Performance

The departmental perspective, that is breaking down performance objectives and measures by the responsible internal departments, is also positive. All departments meet or exceed the expectations for objectives and performance measures.

FY 2009 • Qtr 2 • All Scorecard Areas

Departments	
1-Administrative Services	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
2-Engineering	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
3-Finance	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
4-Information Technology	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
5-Operations	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures

Green = meets or exceeds/ Red = does not meet

Significant Achievements

Attached to this staff report is the District's Mid-Year Achievements Newsletter. The newsletter provides a breakdown of each department's status in regard to Objectives and Performance Measures as well as a message from each chief highlighting many of their department's significant achievements. We have distributed the newsletter to all Otay staff offering them an upclose and personal view at their department's success.

FISCAL IMPACT: _____

None at this time.

STRATEGIC GOAL:

Strategic Plan and Performance Measure reporting is a critical element in providing performance reporting to the Board and staff.

LEGAL IMPACT: _____

None

Mark Watton
General Manager



ATTACHMENT A

SUBJECT/PROJECT:	FY 2008 Strategic Plan and Performance Measures Report
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COMMITTEE ACTION:

The Administration and Finance Committees and the Engineering and Operations Committee met in August and reviewed this item. Based upon this discussion the Committees recommend that the Board receive that attached information.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for board approval. This report will be sent to the Board as a committee approved item, or modified to reflect any discussion or changes as directed from the committee prior to presentation to the full board.



MISSION STATEMENT

District's Mission: To provide the best quality of water and wastewater service to the customers of the Otay Water District, in a professional, effective and efficient manner.

VISION STATEMENT

General Manager's Vision Statement: "A District that is at the forefront in innovations to provide water services at affordable rates, with a reputation for outstanding customer service."

KEY CHALLENGE

The key challenge for Otay is to find the best solutions that balance our requirements with the significant constraints we face. Some of these constraints are escalating costs, drought, increasing regulatory compliance and uncertainty, customer demands for improved services, and competition for supply and resources. Meeting these challenges will require dedication and a commitment to continuous improvement and the innovative use of technologies and resources.

Inside This Issue:

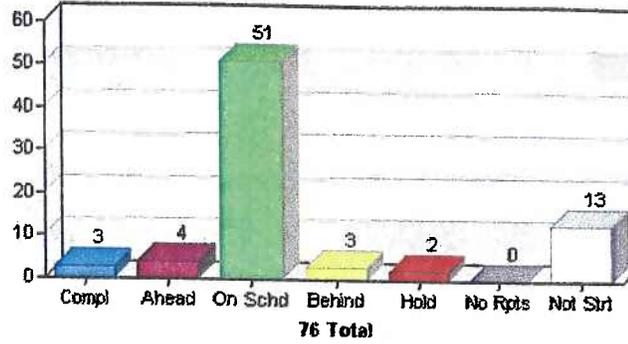
- Objective and Performance Measure Status Summary 1
- Administration 2
- Engineering 3
- Finance 4
- IT 5
- Operations 6

The Strategic Plan Mid-Year Achievements

VOLUME 1, ISSUE 3 FEBRUARY 26, 2009

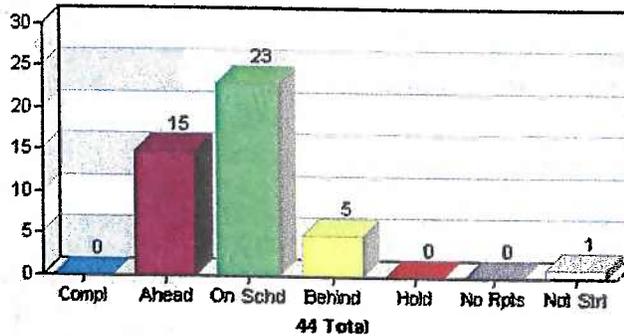


Objective Status Summary
95% Complete, Ahead, or On Schedule



Status	Objective	Percent
Complete	3	4%
Ahead	4	5%
On Schedule	51	67%
Behind	3	4%
On Hold	2	3%
No Reports	0	0%
Not Started	13	17%

Performance Measure Status Summary
88% Complete, Ahead, or On Schedule



Status	Performance Measure	Percent
Complete	0	0%
Ahead	15	34%
On Target	23	52%
Not On Target	5	12%
On Hold	0	0%
No Reports	0	0%
Not Started	1	2%

"We all need lots of powerful long-range goals to help us past the short-term obstacles."
-Jim Rohn

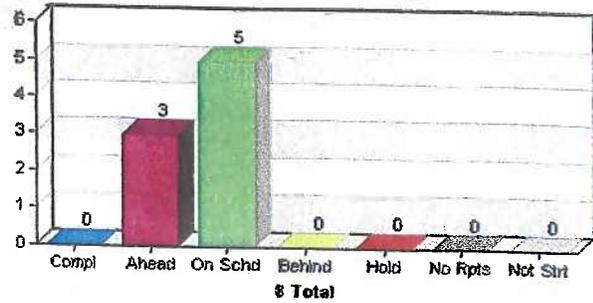
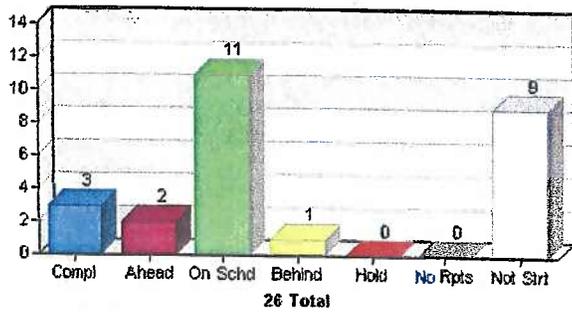


"Define your business goals clearly so that others can see them as you do."
-George F.

Board Report

Overall, results continue to be positive with the District exceeding its target for both strategic plan objectives (at least 95% complete or on track) and performance measures (at least 88% on target). Additionally, in all four categories of our balanced scorecard the District is on or ahead of schedule or target due to all departments meeting or exceeding the expectations for objectives and performance measures.

Administration



Objectives

Obj Id	Objective	Lead	Status
1.1.1.1	Capture customers' attitude and awareness through a repeatable customer survey program.	ARMANDO BUELNA	○
1.1.2.7	Written Publications - Develop an effective program for producing new customer communication, including drought related communication. Evaluate bi-lingual options.	ARMANDO BUELNA	●
1.1.2.8	Develop a comprehensive community outreach plan and materials to target specific community stakeholders with additional information or presentations on drought, recycled water, and water conservation.	ARMANDO BUELNA	●
1.2.1.1	Promote and encourage adoption of conservation practices for new construction within District service territory.	WILLIAM GRANGER	●
1.2.1.2	Participate in the revision of the 14 water conservation Best Management Practices and prepare to implement those that are locally cost-effective.	WILLIAM GRANGER	●
1.3.1.1	Continue to actively participate in County Water Authority, Metropolitan Water District of Southern California, State policy making and pending legislative review and comment.	ARMANDO BUELNA	●
1.3.1.2	Promote enhancements to City, County, and State water conservation requirements and implement appropriate BMPs. (political side)	WILLIAM GRANGER	○
2.1.1.1	Facilities and Staffing Plan needs.	KELLI WILLIAMSON	○
3.1.1.2	Update District's Drought Management Plan including actions for enforcement.	WILLIAM GRANGER	●
3.2.5.2	Evaluate web-based employee performance reviews.	KELLI WILLIAMSON	●
3.2.5.5	Automate application process.	PATRICIA CARO	●
3.2.6.1	Review/consolidate the District's Disaster Preparedness Plan.	TED CUDAL	●
3.2.6.2	Update Security Assessment and implement Technology Recommendations.	TED CUDAL	●
3.2.6.3	Evaluate and make recommendations regarding Environmental Health, Emergency Preparedness, and Safety Management System.	TED CUDAL	●
4.1.1.1	Evaluate effective communication tools throughout the organization.	KELLI WILLIAMSON	●
4.1.1.2	Evaluate the Pay For Performance Program	KELLI WILLIAMSON	○
4.1.1.3	Evaluate the Employee Recognition Program.	KELLI WILLIAMSON	○
4.1.3.4	Assess findings of 2008 Employee Survey.	KELLI WILLIAMSON	●
4.1.3.5	Conduct Employee Survey.	KELLI WILLIAMSON	○
4.1.3.1	Review and update classification plan and revise critical areas.	KELLI WILLIAMSON	○
4.1.3.2	Review and revise marketing strategy and recruiting tools.	KELLI WILLIAMSON	○
4.1.3.3	Develop and identify required and desired District-wide training for all classifications.	KELLI WILLIAMSON	●
4.1.3.2	Develop and maintain a formal program to track employee training.	KELLI WILLIAMSON	○
4.1.4.1	Identify core elements of Succession Planning that can be tailored to the District's needs.	KELLI WILLIAMSON	●
4.1.5.1	Update and expand annual review process to include greater emphasis of strategic plan objectives and performance measures and understanding of career goals and how they may relate to the District's Succession Plan.	ROSEMARY DRIES	●
4.1.7.1	Optimize community involvement throughout the District.	ARMANDO BUELNA	●

Measures

Id#	Title	Target	Result	Leads	Status
1.1.100	Customer Satisfaction	90.00	53	BUELNA, ARMANDO	●
1.2.101	Blanket Order Activity	15.00	16.5	DOBRAWA, STEPHEN	●
1.3.102	Total Water Saved	120.00	63	GRANGER, WILLIAM	●
1.3.103	Stay Water Use (Distinct Meters)	76.60	32.2	GRANGER, WILLIAM	●
1.4.104	HAS Severity Rate (QualServe)	30.00	27.4	CUDAL, TED	●
1.4.105	Turnover Rate	5.00	1.89	WILLIAMSON, KELLI	●
1.4.106	Training Hours per Employee	18.00	10.07	WILLIAMSON, KELLI	●
1.4.107	Safety Training Program	61.00	64	CUDAL, TED	●

Significant Achievements

The second quarter was busy with significant achievements with District wide impact. Staff has been busy preparing and developing procedures and tools to address the anticipated increase in customer inquiries related to the drought. Water Conservation with Customer Service, IT and our Public Information Officer, have worked together to address issues that come with a drought and the need to provide information to our customers related to the impact of water rates and methods to conserve water.

Other significant work in Administration, included participation in the State wide Golden Guardian Exercise for disaster preparedness, completed review of the Employee Survey and implemented a monthly meeting between the Assistant General Managers and Chiefs to enhance interdepartmental communication.

Administration

- Developed a comprehensive outreach plan for customers related to the drought, recycled water and water conservation.

Purchasing

- Implemented security improvements in the Administration front lobby.
- Steve Dobrawa, Purchasing and Facilities Maintenance Manager, attained Certified Purchasing Manager (CPM) status, awarded by the Institute for Supply Management (ISM)

Human Resources

- Completed review of Employee Survey results and facilitated discussions between Department Chiefs and respective Managers and Supervisors
- Assistant General Managers implemented a monthly meeting to discuss various departmental issues with the Department Chiefs to enhance interdepartmental communication

Water Conservation

- Developed Level One and Level Two procedures for handling water waste complaints
- Along with Facilities Management, work has begun to reduce water use and enhance security at the Administration, Operations and Treatment Plant

Safety and Security

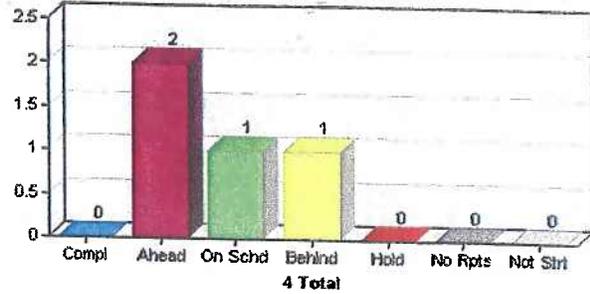
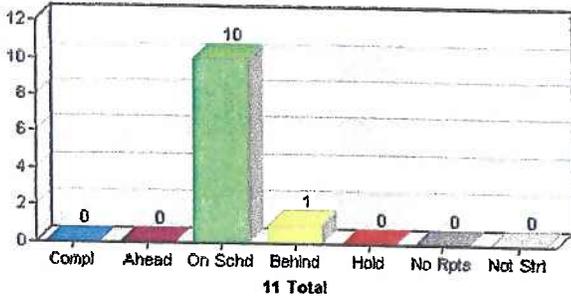
- Completed review of Emergency Action Plan (EAP), National Incident Management System (NIMS) and Emergency Operations Center (EOC) procedures
- Completed a review of 32 out of 36 Safety Manual Procedures
- Attained Federal NIMS compliance
- Participated in the California Statewide Golden Guardian Exercise

Administration and Communications

- Developed a comprehensive outreach plan for customers related to the drought, recycled water, and water conservation
- Developed an extensive communications and outreach plan for residents impacted by the Jamacha Pipeline Project

-Rom Sarno, Chief of Admin Services

Engineering



Objectives

Measures

Obj Id	Objective	Lead	Status
1.2.2.3	Continue a regional approach and expand District's recycled water outreach program to landscape architects, maintenance companies, developers, contractors, and homeowner associations.	DAVID CHARLES	●
3.1.1.1	Prioritize and implement recommendations contained in the Integrated Resources Plan and Water Resources Master plan to obtain additional potable water supply by 15%.	JAMES FEASLEY	●
3.1.1.3	Create a comprehensive environmental program that is cost-effective and proactive in response to environmental compliance.	LISA COBURN-BOYD	●
3.1.2.1	Evaluate the long-term requirement for costs and benefits of seeking additional sewer collection flow, treatment, and/or disposal capacity.	JAMES FEASLEY	●
3.1.3.1	Obtain new recycled water supplies by 10% by prioritizing and implementing the recommendations in the IRP & WRMP.	JAMES FEASLEY	●
3.1.3.2	Finalize evaluation of North District service area expansion for recycled water and seek approvals for funding.	LISA COBURN-BOYD	●
3.2.1.1	Develop and implement an Asset Management Program Plan to extend useful life of capital assets.	JAMES FEASLEY	●
3.2.1.4	Enhance Construction Inspection on construction projects by implementing IMS.	DAVID CHARLES	●
3.2.4.1	To obtain access to shared electricity, gas, telephone, and other utilities from cell site vendors, San Diego County and, other agencies.	DAVID CHARLES	●
3.2.5.7	Identify existing facilities that are good candidates for conversion to separate irrigation meters (recycled and/or potable water), specifically for multi-family/industrial/commercial projects.	JAMES FEASLEY	●
3.2.5.8	Enforce use of separate meters for irrigation during the Sub-Area Master Plan (SAMP) Review Process to maximize the use of recycled water. Irrigation of landscaped areas shall have a separate meter regardless if potable or recycled water is available, while maximizing the use of recycled water.	JAMES FEASLEY	●

Id#	Title	Target	Result	Leads	Status
2.2.200	CIF Project Expenditures vs Budget	100.00	26.3	RIFPERGER, RONALD	●
2.2.201	Construction Change Order Incidence	2.00	0	RIFPERGER, RONALD	●
2.3.202	Mark out Accuracy	100.00	100	O'DONNELL, MICHAEL	●
2.3.203	Project Closeout Time	95.00	29%	RIFPERGER, RONALD	●

Significant Achievements

Objectives

One of Engineering's strategic objectives is to help larger users of potable water for irrigation to convert to recycled water. To that effect, David Charles, Public Services Manager, is working with specific Home Owners Associations to devise a transfer program. The net gain will be that potable water will be saved helping our conservation programs.

Measures

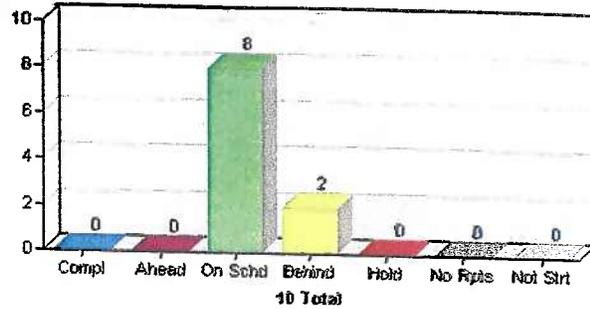
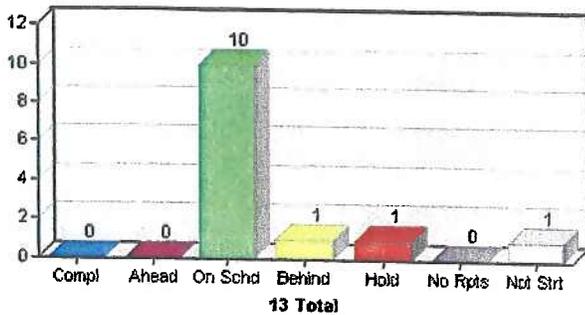
A critical performance measure is "mark-out accuracy." Every contractor is obligated, by state law, to report an excavation. In turn, utility companies are obligated to mark-out their facilities within 24-hours of the contractor's report. If we failed to identify any of our facilities within the 24-hour period and it gets damaged, the District is responsible for repairs. This can amount to hundreds of thousands of dollars, loss of service to our rate-payers, and waste of potable water. Therefore, our measure is that 100% of our facilities get identified around a particular excavation within that 24-hour window. We have consistently met this measure for the past several years.

-Rod Posada, Chief of Engineering

"Our goals can only be reached through a vehicle of a plan, in which we must fervently believe, and upon which we must vigorously act. There is no other route to success."

-Stephen A. Brennan

Finance



Objectives

Obj Id	Objective	Lead	Status
2.1.3.2	Expand a more detailed customer complaint tracking and reporting system.	ALICIA MENDEZ-SCHOMER	🔴
2.1.2.1	Incoming calls - Streamline and document the District's incoming customer call processes.	ELAINE HENDERSON	🟢
2.1.2.5	Evaluate the most cost effective and efficient processes and tools to communicate service related issues to customers. For example: E-Mail, Target mail, door hanger, etc.	ELAINE HENDERSON	🟢
2.1.1.2	Develop the long term financial plan.	JOSEPH BEACHEM	🟢
2.1.2.8	Conduct financial threat assessment for growth, water availability, inflation and other revenue sources.	JAMES CUDLIP	🟢
2.1.3.8	Re-calculate all Capacity and Annexation Fees with New Rehabilitation and Repair Plan.	JOSEPH BEACHEM	🟢
2.2.1.1	Simplify residential fee structures and the billing system.	RITA BELL	🟢
2.2.1.2	Reduce complexity of and simplify rate structure.	ELAINE HENDERSON	🟢
2.2.1.3	Evaluate drought stage rates and propose changes.	RITA BELL	🟢
2.2.1.4	Evaluate and improve effectiveness of bill (including fees for Chula Vista sewer billing).	ELAINE HENDERSON	🟢
2.2.3.3	Evaluate implementing a fixed network Automated Meter Reading.	ELAINE HENDERSON	🟢
2.2.5.3	Enhance AP to electronically pay bills for frequent vendors and routine bills and maximize the use of e-bills.	JOHN FRENDEGAST	🟡
2.3.1.1	Develop and measure cost per unit expenditures and forecasts.	RITA BELL	🔴

Measures

Id#	Title	Target	Result	Leads	Status
3.1.300	Answer Rate	97.00	97.40	CAREY, ANDREA	🟢
3.2.301	C&M Cost per Account (QualServe)	469.00	290.00	BELL, RITA	🟢
3.2.302	Billing Accuracy (QualServe)	99.00	99.99	HENDERSON, ELAINE	🟢
3.2.303	Overtime Percentage	100.00	85.00	BELL, RITA	🟢
3.2.304	Sewer Rate Ranking	50.00	28	BELL, RITA	🟢
3.2.305	Water Rate Ranking	50.00	90	BELL, RITA	🟢
3.2.306	Debt Coverage Ratio (QualServe)	160.00	217.31	CUDLIP, JAMES	🟢
3.2.307	Reserve Level	100.00	100.00	CUDLIP, JAMES	🟢
3.3.308	System Renewal/Replacement Rate (QualServe)	34.00	42	BELL, RITA	🟡
3.3.309	Distribution System Loss (QualServe)	3.00	5.00	BELL, RITA	🟡

Significant Achievements

Credit Rating Upgrade: On Monday the 17th of December 2008, Standards & Poor's notified the District that it was upgrading the District's credit rating from AA- to AA. For many years the District had an A+ rating and issued debt with that underlying rate. Over the past number of years, the District has been developing as an industry leader. With excellent leadership and management the District has developed exceptional planning tools and policies. These fundamental improvements in the operations of the District were noticed and acknowledged by the rating agencies in February of 2007 when Fitch, a rating agency, upgraded the District's credit rating from A+ to AA-. Shortly after Standards & Poor's also gave the District a AA-. This was a significant rating change for the District as it moved the District from the single A to the double A range. The District has continued to demonstrate exceptional leadership and management, receiving numerous technological, engineering, financial, and accounting awards. Less than 19 months after that last ratings upgrade, and with the ongoing demonstration of forward thinking and skilled management, the District has received its second credit rating upgrade in 19 months. The combined affect of these rating upgrades will save the Otay Water District's customers millions of dollars on the costs to build infrastructure. The District is proud of its efforts to provide outstanding service to their customers and looks forward to continuing its record for exceptional service.

Successful Payroll Year-End: Staff geared up for the payroll year-end. At the end of each year a significant effort is made to organize and prepare all the new tax and deduction information. This is a key part of the accounting system as all this information is linked into the general ledger and budgeting systems. Also, central to that time of year is the preparation of all tax documents sent to the state, fed, vendors, and employees.

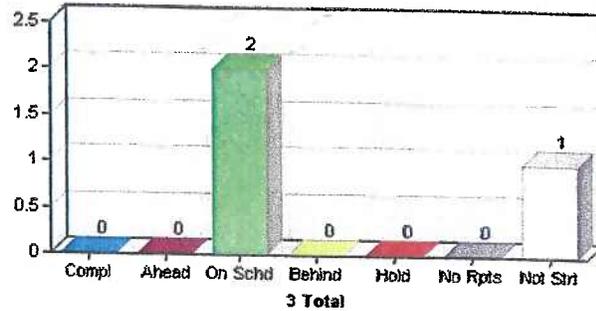
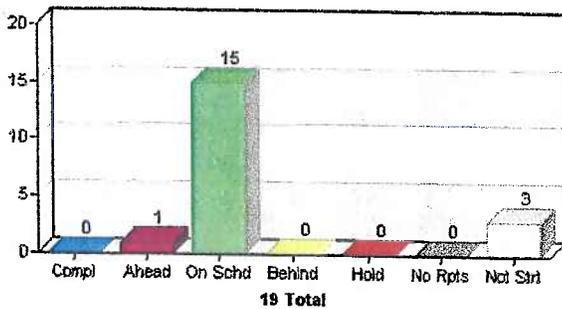
Rate Testing: Staff has been very focused on verifying that the new billing structure, if approved, will have a smooth transition into the billing system. With significant help from the IT department the Finance staff has been paralleling all the billing cycles to identify any problems that might occur in the billing system. This testing has been very successful and staff anticipates a smooth transition.

218 Process Completed - The 218 notices were mailed in October to all of the Otay customers. These notices informed each customer of the rate changes that were proposed. To avoid overly complicated notices, each type of customer had a customized notice tailored so that they would only receive information relevant to them. In the list below, showing the various notices, the total number of notices sent is significantly more than the number of Otay customers. This is because the District is also required to send a notice to all land owners even if they are not customers.

Residential Water Only	45,012
Mater Metered	268
Commercial and Publicly Owned	968
Landscape, Agriculture, Construction	656
Recycled	124
Residential Sewer	1,995
Commercial Sewer	39
Schools Sewer	7
Residential Water & Sewer	3,689
Land Owners	10,858
Total	63,581

In order to comply with the Prop 218 requirements, at the December 15th, 2008 meeting the District held a Public Hearing. During this hearing the members of the public were able to share their comments related to the proposed rate changes. Any written comments received at the District were also provided to the Board. In this way the Board was fully informed of the customer's opinions as they related to the rates prior to any action on the proposed rates.

-Joe Beachem, Chief of Finance



Objectives

Obj Id	Objective	Lead	Status
3.1.2.2	Interactive Voice Response - Enhance the usefulness of the Interactive Voice Response for better customer service across the District.	CYNTHIA ALCANTARA	🟢
3.1.2.3	Auto dialer - Evaluate enhancing the usefulness of the Auto dialer to efficiently notify customers of District events	THERESA XREINBRING	🟢
3.1.2.4	Web Page - Evaluate and enhance the District's web site design to allow easier use and navigation.	WILLIAM JENKINS	🟢
3.1.2.5	E-Customer Account - Enhance the customer's ease of access to personalized account information including water use, payment status, and historical trending.	SHAMALA SARIKALLI	🟢
3.3.2.1	Promote and encourage leadership opportunities for District staff in water industry committees.	GEOFFREY STEVENS	🟢
3.3.2.2	Evaluate and implement American Water Works Association Peer Review for District.	GEOFFREY STEVENS	🟢
3.2.2.1	Evaluate the long-term viability of Edan financials and billing system.	GEOFFREY STEVENS	🟡
3.2.2.2	Enhance the integration of Infrastructure Management System, Edan, Customer Information System, Supervisory Control and Data Acquisition, Geographic Information System.	GEOFFREY STEVENS	🟡
3.2.2.3	Enhance existing Capital Project Tracking System.	SHAMALA SARIKALLI	🟡
3.2.2.4	Enhance the District's data management, data update process, and data architecture including enterprise standard data. Update process for ensuring GIS data is accurate.	HING ZHAO	🟢
3.2.2.5	Develop and deploy the field wireless network for key facilities.	WILLIAM JENKINS	🟢
3.2.3.2	Optimize use of Voice Over Internet Protocol and unified messaging.	WILLIAM JENKINS	🟡
3.2.3.4	Optimize the use of SharePoint.	SHAMALA SARIKALLI	🟢
3.2.3.5	Develop optimized field work processing using integrated technology.	HING ZHAO	🟢
3.2.3.6	Assess and implement security best practices for all Otay networks.	WILLIAM JENKINS	🟢
3.2.5.1	Investigate using electronic signatures on staff reports, shutdown plans, contracts, magazines, newsletters, reimbursements, project closeout, etc.	WILLIAM JENKINS	🟢
3.3.2.1	Utilize SCADA to calibrate water model.	HING ZHAO	🟢
4.1.5.1	Update District-wide Records Management Program.	WILLIAM JENKINS	🟢
4.1.5.2	Develop information systems support for asset management program.	HING ZHAO	🟢

Measures

Id#	Title	Target	Result	Leads	Status
4.1.400	Customer Satisfaction with website	77.00	0	JENKINS, WILLIAM	🟡
4.3.401	Network Availability	99.00	100	JENKINS, WILLIAM	🟢
4.4.402	Web Site Hits	11880.00	12048	JENKINS, WILLIAM	🟢

Significant Achievements

Records Management:

We have finalized the steps for implementing our Records Management application (AX) and revised the retention policy to work congruently with the new system. In order to keep the process moving forward, we have formed a records committee composed of the department secretaries who are currently working together to compile information required to categorize all types of files. In addition, the scanning project is completed as we have deployed scanners to all departments.

Wireless Project:

The wireless broadband connection to the Treatment Plant is in its final stages and close to completion. We are coordinating with SCADA staff to extend the wireless broadband to Regulatory and 30 Million Gallon Reservoir by June 30, 2009.

Mobile Platform:

Selection of the field mobile devices (Panasonic F8 and F30 models) for field staff and management has been finalized.

SharePoint:

We have implemented SharePoint in Customer Service as the first step in updating our INET using technology to improve our billing process.

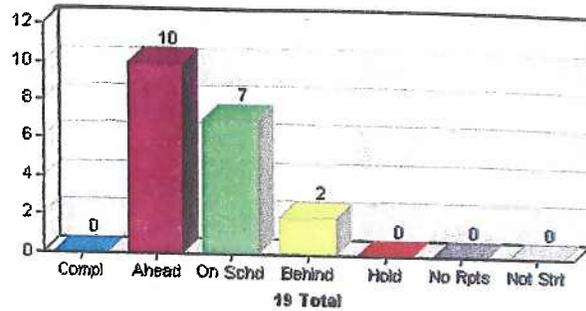
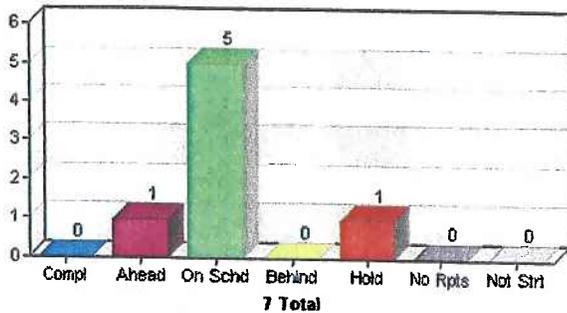
AWWA Peer Review:

We have explored doing a brief "Peer Review-Best Practices" evaluation with AWWA. It is likely we will proceed with some type of survey for all staff in the Spring.

-Geoff Stevens, Chief Information Officer

"An archer cannot hit the bulls eye if he doesn't know where the target is."
-Anonymous

Operations



Objectives

Obj Id	Objective	Lead	Status
3.1.1.4	Develop and implement a proactive leak detection program to reduce distribution system water loss.	GARY STALKER	●
3.1.2.2	Develop and implement Treatment Plant Enhancements including automation for remote operation and shutdown, technology improvements, and upgrade of facilities.	DALE KREINERNG	●
3.2.1.2	Expand meter testing for 3" and larger calibration and replacement program.	TIMOTHY KEERAN	●
3.2.1.3	Evaluate increasing the completion schedule of District's valve actuation, valve replacement, and air vac programs.	RICHARD ACUNA	●
3.2.3.1	Optimize functionality, business continuity, bandwidth, and use of SCADA.	GENE PALOP	●
3.2.5.4	Enhance fuel tracking and reporting system.	DOUGLAS RAHDEES	●
3.2.5.6	Develop a Heavy Equipment Capital Replacement Plan.	DOUGLAS RAHDEES	●

Measures

Id#	Title	Target	Result	Leads	Status
5.1.500	Unplanned Disruptions (QualServe)	0.70	0	WACLAVEK, JACOB	●
5.1.501	Technical Quality Complaint (QualServe)	9.00	4.19	WACLAVEK, JOHNNIE	●
5.2.502	Planned Drinking Water Maintenance Ratio in \$ (QualServe)	65.00	69	KUSE, SCOTT	●
5.2.503	Planned Recycled Water Maintenance Ratio in \$	70.00	79	HOLLY, ROGER	●
5.2.504	Planned Wastewater Maintenance Ratio in \$ (QualServe)	77.00	85.6	KREINERNG, DALE	●
5.2.505	Direct Cost of Treatment per MSD (QualServe)	1008.00	841.05	KREINERNG, DALE	●
5.2.506	C&M Cost per MSW-wastewater (QualServe)	1559.00	1543.78	KREINERNG, DALE	●
5.3.507	% PNs completed-Flat Shop	90.00	99	RAHDEES, DOUGLAS	●
5.3.508	% PNs completed-Reclamation Plant	90.00	100	KREINERNG, DALE	●
5.3.509	% PNs completed-Pump/Electric Section	90.00	100.00	ANDERSON, DONALD	●
5.3.510	% PNs completed-Valve Maint. Program	90.00	103	WACLAVEK, JACOB	●
5.3.511	Valve Exercising Program	1692.00	823	WACLAVEK, JACOB	●
5.3.512	Water Distribution System Integrity (QualServe)	15.00	9.59	WACLAVEK, JACOB	●
5.3.513	Planned Water Service Disruption Rate (QualServe)	2.50	1.24	WACLAVEK, JACOB	●
5.3.514	Drinking Water Compliance Rate (QualServe)	1211.00	100	STALKER, GARY	●
5.3.515	Collection System Integrity (QualServe)	3.50	0.0	KREINERNG, DALE	●
5.3.516	Replace manual read meters with automated meter	4500.00	2150	KEERAN, TIMOTHY	●
5.3.517	Recycled Water System Integrity	6.00	0	HOLLY, ROGER	●
5.3.518	Sewer Overflow Rate (QualServe)	0.00	0	KREINERNG, DALE	●

Significant Achievements

We have completed the automation of the flow control metering valves at the Regulatory Site. The four valves control the gravity flow from the new 640 reservoirs to the 520 reservoirs and allow for control and monitoring via SCADA.

Additionally, we have increased the reliability of the reclamation plant/sewer lift station SCADA control system by installing a back-up server and upgrading the software.

Objective: 3.2.5.6 CARB & APCD Replacement Plan:

The Fleet Maintenance's goal during the Second Quarter was to monitor and implement the District's fleet so as to be within code compliance per CARB and/or APCD regulations. The Fleet Maintenance Section successfully managed to assure all data was registered, and the maintenance/repair costs are properly being tracked through the IMS system.

Objective: 3.2.1.2 Expand Meter Testing for Three-inch and Larger Calibration and Replacement Program:

The Meter Maintenance Section's accomplishment during the Second Quarter resulted in the development of a detailed listing for all three-inch and larger meters. Further evaluation will continue in FY 2010 and onward. Furthermore, Tim Keeran contacted other local agencies and coordinated with Customer Service (meter readers), and with IT to properly set up a recorded meter testing program. His research then developed a "Priority Testing" schedule of which is to commence in February 2009 as planned.



FY2009 Mid Year Strategic Plan Review



3/12/09

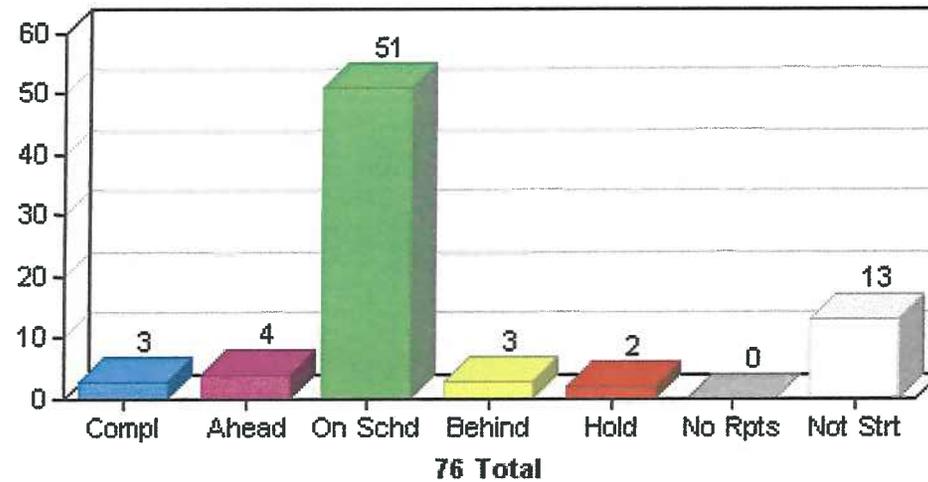
Strategic / Business Planning Process



Objective Status Summary

Objectives: All Scorecard Areas

Summary Detail

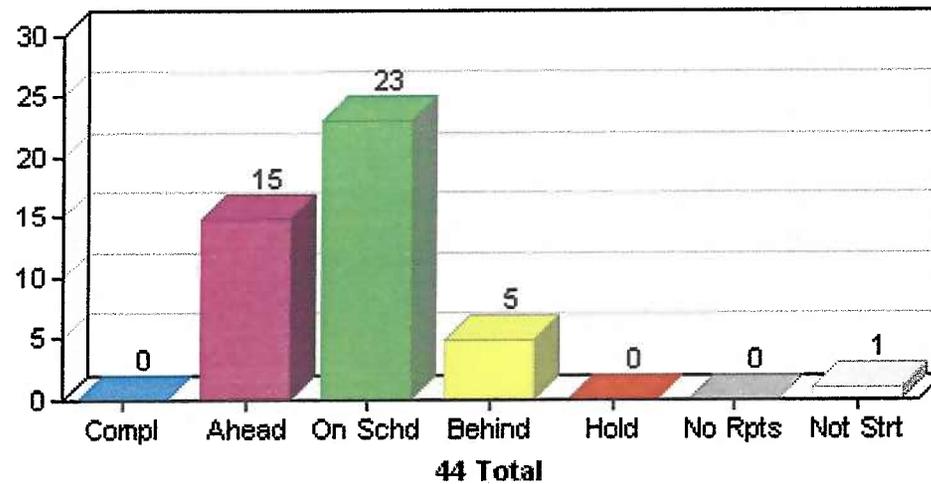


95% Complete, Ahead, or On Schedule

Performance Measure Status Summary

Measures: All Scorecard Areas

Summary Detail



88% Complete, Ahead, or On Schedule

Balanced Scorecard View

FY 2009 • Qtr 2 • All Departments

Customer	Financial	Learning and Growth	Business Processes
<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures

In all four categories of our balanced scorecard, the District is on or ahead of schedule or target. This is due to all departments meeting or exceeding the expectations for objectives and performance measures.

Departmental View

FY 2009 • Qtr 2 • All Scorecard Areas

Departments	
1-Administrative Services	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
2-Engineering	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
3-Finance	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
4-Information Technology	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures
5-Operations	<input checked="" type="checkbox"/> Objectives <input checked="" type="checkbox"/> Measures

All departments meet or exceed the expectations for objectives and performance measures.

Next Steps

- Minor Revisions for FY10
- Continued enhanced monitoring of results
- Movement to greater use of information at the District.

Key Objective Achievements

- ❑ Developed a comprehensive outreach plan for customers related to the drought, recycled water, and water conservation.
- ❑ Worked with Home Owners Associations to devise a transfer program for users of potable water for irrigation to convert to recycled.
- ❑ Standards & Poor's notified the District that it was upgrading the District's credit rating from AA- to AA.
- ❑ 218 process completed-Notices were mailed out in October to all of the Otay customers.
- ❑ Successful implementation of SharePoint in Customer Service.
- ❑ Moving forward with AWWA District-wide Self Assessment evaluation.
- ❑ Operations coordinated with Customer Service (meter readers) and IT to properly set up a recorded meter testing program.

Results Available On the Board Extranet !

www.otaywater.gov/extranet/login.aspx