

OTAY WATER DISTRICT
ENGINEERING AND OPERATIONS COMMITTEE MEETING
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
Board Room

Wednesday
November 15, 2006
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. UPDATE REPORT ON THE STATUS OF THE CAPITAL IMPROVEMENT PROJECTS FOR THE FIRST QUARTER OF FISCAL YEAR 2007 (POSADA) [10 minutes]
4. AWARD A PROFESSIONAL SERVICES CONTRACT FOR AS-NEEDED GEOTECHNICAL SERVICES TO SOUTHERN CALIFORNIA SOIL AND TESTING, INC. FOR AN AMOUNT NOT TO EXCEED \$150,000 DURING FISCAL YEARS 2007 AND 2008 (PADILLA) [5 minutes]
5. APPROVE A BUDGET INCREASE FOR THE 640-1 AND 640-2 RESERVOIRS PROJECT FROM \$27 MILLION TO \$29.5 MILLION AND AWARD A CONSTRUCTION CONTRACT TO PACIFIC HYDROTECH CORPORATION, INC. IN THE AMOUNT OF \$24,894,000 FOR THE CONSTRUCTION OF THE 640-1 AND 640-2 RESERVOIRS (RIPPERGER) [10 minutes]
6. ADJOURNMENT

BOARD MEMBERS ATTENDING:

Gary Croucher

Jose Lopez

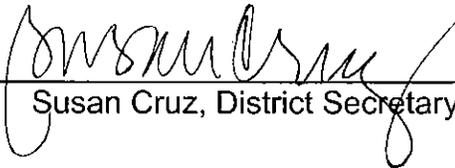
All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

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 November 13, 2006, 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 November 13, 2006.



Susan Cruz, District Secretary



AGENDA ITEM 3

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	December 6, 2006
SUBMITTED BY:	Hossein Juybari <i>HJ</i>	PROJECT:	P2210 DIV. NO. ALL
APPROVED BY: (Chief)	Rod Posada <i>Rod Posada</i> Chief, Engineering		
APPROVED BY: (Asst GM)	Manny Magaña <i>Manny Magaña</i> Assistant General Manager, Engineering and Operations		
SUBJECT:	Informational Item - FY 2007 First Quarter Capital Improvement Program (CIP) Report		

GENERAL MANAGER'S RECOMMENDATION:

That the Board accept the FY 2007 First Quarter CIP Report for review and receive a summary via PowerPoint presentation.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To update the Board about the status of all CIP project expenditure highlights, significant issues, progress, and milestones on major projects.

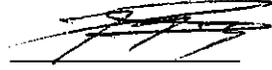
ANALYSIS:

To keep up with growth and to meet our ratepayers' expectations to adequately deliver safe, reliable, cost-effective, and quality water, each year Otay WD staff prepares a six-year CIP Plan that identifies the Otay WD infrastructure needs. The CIP is comprised of four categories consisting of backbone capital facilities, maintenance projects, developer's reimbursement projects, and capital purchases.

The quarterly update is intended to provide a detailed analysis of progress in completing these projects within the allotted time and budget. Staff continues to strive to achieve the targeted goal of at least 18-20% of the fiscal year budget amount in the first quarter.

Expenditures in this First Quarter of Fiscal Year 2007 totaled approximately \$9.2 Million. This equates to 25% of the Fiscal Year 2007 expenditure budget and exceeds our targeted goal.

FISCAL IMPACT:



In the budget process staff sets a cash flow target level for the CIP projects. With the very large CIPs and the achievement of the construction schedules we are exceeding those targets and expect to accomplish nearly 100% of the budget over the next two years. With this level of achievement, greater than the historical levels, staff has re-evaluated the cash flow requirements and is recommending that the upcoming debt issuance be increased by \$14.5 million to \$42 million in order to accommodate the CIP construction needs. The expected impact on the projected rates is a shift from 3.9% to 5.1% in years 2010, 2011, and 2012. At this level, the District is expected to maintain all the reserve target levels in all years, remaining within the parameters of the Reserve Policy. The added debt will temporarily drop the debt ratio below the target level of 150%; however, the District always remains above the 120% covenant level even without using growth funds in the calculation. The District's financial strength allows the District to use this flexibility to meet changes in cash flow needs and still meet all its Reserve Policy targets by the end of the six-year rate model period.

STRATEGIC GOAL:

The CIP supports the mission of providing the best quality of water and wastewater service to the customers of the Otay Water District in a professional, effective, efficient, and sensitive manner, in all aspects of operation, so that public health, environment, and quality of life are enhanced.

LEGAL IMPACT:

None.



General Manager

HJ/RR/RP:jf

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ATTACHMENT A

SUBJECT/PROJECT:	Informational Item - FY 2007 First Quarter CIP Report (Project P2210)
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COMMITTEE ACTION:

Engineering & Operations Committee met to consider this item on November 15, 2006. 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.



AGENDA ITEM 4

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	December 6, 2006		
SUBMITTED BY:	Ron Ripperger/ <i>w</i> David Padilla <i>DP</i>	G.I.F.F./G.F. No.	N/A	DIV. NO.	ALL
APPROVED BY: (Chief)	Rod Posada <i>R Posada</i> Chief, Engineering				
APPROVED BY: (Asst. GM):	Manny Magaña <i>M Magaña</i> Assistant General Manager, Engineering and Operations				
SUBJECT:	Award of As-Needed Geotechnical Services Contract, FY 07-08				

GENERAL MANAGER'S RECOMMENDATION:

That the Board authorize the General Manager to enter into an Agreement for Professional Services for As-Needed Geotechnical Services with Southern California Soil and Testing, Inc. for an amount not to exceed \$150,000 during Fiscal Years 2007 and 2008.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board authorization for the award of a professional services contract to obtain geotechnical services on an as-needed basis in support of the District's Capital Improvement Program (CIP). The contract amount is not to exceed \$150,000 for a two-year period commencing upon Board approval (see Attachment B).

ANALYSIS:

The District will require the professional services of a geotechnical consultant to perform studies in support of the District's CIP projects for a period of two years. The As-Needed Geotechnical Services contract will provide the District with the ability to obtain consulting services in a timely and efficient manner and on an as-needed basis.

The District will require the expertise of a geotechnical consultant to conduct investigations for CIP projects. The cost for these geotechnical investigations typically range between \$15,000 and \$40,000, depending on the scope of the

investigation. The District incurs expenses in requesting, reviewing and ranking proposals; checking references; and preparing staff reports for Committee and Board approval. The investigations, individually, are small enough that preparation of formal proposals by consultants becomes expensive and these costs are passed on to the District. For these reasons, the District began using similar contracts for as-needed environmental consulting services in Fiscal Year 2006. The concept is now being pursued by staff for geotechnical services in this request.

The District will issue task orders to the Consultant for specific projects during the contract period. The Consultant will then prepare a detailed scope of work, schedule, and cost estimate for each task order assigned under the contract. Upon written task order authorization from the District, the Consultant shall then proceed with the project as described in the scope of work.

The CIP projects that are estimated to require geotechnical investigations for Fiscal Years 2007 and 2008, at this time, are listed below:

CIP	DESCRIPTION	ESTIMATED COST
P2143	1296-3 Reservoir, 2.0 MG	\$15,000
R2034	860-1 Recycled Water Reservoir, 4.0 MG	\$40,000
R2077	24-Inch Recycled Water Pipeline, 860 Zone, Alta Road - Alta Gate/Airway	\$15,000
R2087	20-Inch Recycled Water Pipeline, 944 Zone, Wueste Road-Olympic Pkwy/Otay Treatment Plant	\$15,000
R2088	20-Inch Recycled Water Pipeline, 860 Zone, County-Roll Reservoir/860-1 Reservoir	\$15,000
P2033	PL - 16-Inch, 1296 Zone, Hillside Drive-Campo/Presilla	\$15,000
TOTAL:		\$115,000

The geotechnical scopes for the above projects are estimated from preliminary information and planning studies. The geotechnical scopes of the projects may change during the design phase, potentially increasing geotechnical study costs.

Similarly, industry-wide increases in the cost of performing geotechnical investigations, such as fees for drilling and excavation subcontractors, insurance, and regulatory compliance, may also increase the cost of performing geotechnical studies. Therefore, staff believes that a \$150,000 cap on the As-Needed Geotechnical Services contract is appropriate.

The As-Needed Geotechnical Services contract would have a one-year base period commencing upon Board approval, and a one-year extension based on the District's CIP schedule and the consultant's successful performance. The contract is not to exceed \$150,000 for all task orders. Fees for professional services will be charged to the CIP Projects for which the investigations are performed.

This As-Needed Geotechnical Services contract does not commit the District to any expenditures until a task order is approved to perform work on a CIP Project. The District does not guarantee work to the consultant, nor does the District guarantee to the consultant that it will expend all of the funds authorized by the contract on professional services.

Staff reviewed and ranked the proposals received in response to the District's request for proposals (see Attachment C). Staff recommends award of the As-Needed Geotechnical Services contract to Southern California Soil and Testing, Inc. for a two-year period commencing upon Board approval for an amount not-to-exceed \$150,000.

FISCAL IMPACT:



The funds for this contract will be expended from the CIP projects noted previously. The fees for professional services requested herein are available in the authorized CIP project budgets. This contract is for professional services based on the District's need and schedule, and expenditures will not be made until a task order is approved by the District for the consultant's professional services on a specific CIP project.

STRATEGIC GOAL:

This project supports the District's strategic goal to meet current and future potable water demands and the strategy to become a recycled water leader.

LEGAL IMPACT:

Consulting services would be subject to the terms of the District's standard Agreement for Professional Services (Attachment B).



General Manager

Attachments

DP/RR/RP:jf

P:\WORKING\As Needed Svcs Design\Geotechnical\BD 12-06-06, As-Needed Geotechnical Services.doc



ATTACHMENT A

SUBJECT/PROJECT:	Award of As-Needed Geotechnical Services Contract, FY 07-08
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COMMITTEE ACTION:

Engineering and Operations Committee met to consider this item on November 15, 2006. 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:	Award of As-Needed Geotechnical Services Contract, FY 07-08
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AGREEMENT FOR PROFESSIONAL SERVICES BETWEEN
OTAY WATER DISTRICT
AND
CONSULTANT
FOR
AS-NEEDED GEOTECHNICAL SERVICES

This Agreement (Agreement) is made and entered into this _____ day of December, 2006 by and between the OTAY WATER DISTRICT, a municipal water district, formed and existing pursuant to California Municipal Water District Act of 1911, as amended, hereinafter referred to as "DISTRICT," and [CONSULTANT], hereinafter referred to as "CONSULTANT."

W I T N E S S E T H

WHEREAS, the DISTRICT requires the services of a geotechnical consultant to render certain technical and professional services described below; and

WHEREAS, the CONSULTANT has available, and offers to provide, personnel and facilities necessary to accomplish the work within the required time.

NOW, THEREFORE, DISTRICT AND CONSULTANT agree as follows:

I. Scope of Services

The CONSULTANT agrees to perform those services described in the scope of work set forth in Exhibit 'A' attached hereto and incorporated herein by this reference. The scope of consulting services shall include meetings with District staff and review of previous technical documentation.

II. Authorization

General authorization to proceed with the work described in Exhibit 'A' is hereby granted upon full execution of the Agreement. However, CONSULTANT shall not proceed with any work described in Exhibit 'A' until the receipt of a request for specific services or "task order" from the District's Designated Agent. Upon receipt of such a request for specific services, CONSULTANT shall provide the the District's Designated Agent with an estimated budget for the requested services and an estimated time for completion. The District's Designated Agent shall then provide the CONSULTANT with authorization to proceed. No work shall be commenced until the CONSULTANT receives the authorization to proceed.

III. Compensation

In return for providing the services described in Exhibit 'A', which are to be performed by the CONSULTANT, the DISTRICT agrees to pay, and the CONSULTANT agrees to accept,

compensation for all executed service requests up to an amount not-to-exceed ONE HUNDRED FIFTY THOUSAND DOLLARS (\$150,000.00), payable as agreed to by the parties per service request. Total compensation for all Professional Services provided under this agreement shall not exceed ONE HUNDRED FIFTY THOUSAND DOLLARS (\$150,000.00) during the term of this agreement without prior written authorization from the DISTRICT.

The CONSULTANT shall invoice the DISTRICT on a monthly schedule in the format shown in Exhibits 'B' and 'C'. The CONSULTANT shall not invoice the DISTRICT for work that has not been completed at the time the invoice is prepared. The DISTRICT shall have forty-five (45) days from the date of receipt of error-free invoices prepared in accordance with Exhibits 'B' and 'C' to make payment without incurring interest and/or penalty charges.

IV. Standard of Care

The CONSULTANT is employed to render geotechnical consulting services only, and any payment made to the CONSULTANT is compensation solely for such services as the CONSULTANT may render and recommendations the CONSULTANT may make. The CONSULTANT'S services shall be furnished in accordance with generally accepted geotechnical consulting principles and practices.

V. Documents

All original drawings, spreadsheets and documents, including digital photographs and files developed for the project, shall, upon payment in full for the services described in this Agreement, be furnished to and become the property of the DISTRICT, except as otherwise provided in Section VIII: Termination or Abandonment.

The CONSULTANT shall provide final documents on high-density media such as ZIP® disk 100/250 MB or compact disk (CD). Final drawings and details shall be in AutoCAD® 2000 format or more recent. Final Contract Specifications, reports, and spreadsheets shall be in Microsoft® Office 2000 format or more recent. Any other electronic format documents provided to the DISTRICT must be formatted to the same software version or release as that of the DISTRICT.

VI. Performance and Schedule

The CONSULTANT agrees to coordinate project work to ensure its timely completion and shall promptly notify the DISTRICT of any anticipated delays, which may affect the work schedule. In the event the time for completing the scope of work is exceeded due to circumstances beyond the control of the CONSULTANT, the CONSULTANT shall have an additional amount of time to be agreed upon in writing between the parties in which to complete the work.

VII. Change in Scope of Work

Work under this agreement is to be performed on a task order basis and shall be pre-approved by the DISTRICT. Each task order shall specify the services requested, the time for performance and an estimated cost for such services. If the services requested require a change, addition or modification, such change, addition or modification shall require prior approval of

the DISTRICT. In the event that the services requested are outside of the Scope of Services specified in Exhibit 'A', CONSULTANT shall bring it to the attention of the DISTRICT immediately, and no such work shall be done prior to obtaining written approval from the DISTRICT.

If the DISTRICT changes the Scope of Work, or if changes in regulations after execution of this Agreement necessitate changes in the Scope of Work, or if the CONSULTANT is requested to perform services not detailed in the Scope of Work, the parties shall execute an amendment to Exhibit 'A', Scope of Work.

All work performed without proper authorization shall be considered part of this Agreement for no additional compensation.

VIII. Termination or Abandonment

Ten (10) calendar days from the date of a written notice to terminate, the DISTRICT has the right to terminate or abandon all or any portion of a work order. The District is under no obligation to require all the services described under the Scope of Work and shall be able to select only those services needed from time to time, as provided in each work order. In the event that the District abandons or terminates any services requested as provided hereunder, the DISTRICT will have the right to take possession and shall own immediately all original specifications, drawings, and other documents developed for that portion of the work completed and/or being abandoned. The DISTRICT will pay the CONSULTANT for services for any portion of the work being terminated which were rendered prior to termination. If said termination occurs prior to completion of any task of the project for which a payment request has not been received, the fee for service performed during such task shall be based on an amount mutually agreed to by the DISTRICT and the CONSULTANT for the portion of such task completed but not paid prior to said termination. The DISTRICT will not be liable for any costs other than the fees or portions thereof, which are specified herein. If all work is abandoned as herein provided, this Agreement shall automatically terminate on the 10th day from the date of notice.

IX. Indemnification

A. CONSULTANT agrees to the following:

1. *Indemnification for Professional Services.* CONSULTANT will save harmless and indemnify and, at DISTRICT's request, defend DISTRICT and all its officers, volunteers, employees, and representatives from and against suits, actions, or claims brought for, or on account of, injuries or damages sustained by any person or property directly resulting from a negligent or wrongful act, error or omission by CONSULTANT or any of CONSULTANT's officers, agents, employees, or representatives, in the performance of this Agreement.
2. *Indemnification for other Damages.* CONSULTANT indemnifies and holds DISTRICT harmless from and against a claim, action, damages, costs (including reasonable attorney's fees), injuries, or liability, directly resulting from this Agreement, for its negligent performance. Should DISTRICT be named in a suit, or should a claim be brought against it by suit or otherwise,

directly resulting out of this Agreement, for the CONSULTANT's negligent performance, CONSULTANT will defend DISTRICT (at DISTRICT's request and with counsel satisfactory to DISTRICT) and will indemnify DISTRICT for any judgment rendered against it or any sums paid out in settlement or otherwise.

- B. For purpose of this section "DISTRICT" includes DISTRICT's officers, officials, employees, agents, representatives, and certified volunteers.
- C. It is expressly understood and agreed that the foregoing provisions will survive termination of this Agreement.
- D. The requirements as to the types and limits of insurance coverage to be maintained by CONSULTANT as required by this Agreement and any approval of said insurance by DISTRICT, are not intended to and will not in any manner limit or qualify the liabilities and obligations otherwise assumed by CONSULTANT pursuant to this Agreement, including, without limitation, to the provisions concerning indemnification.

X. Insurance Requirements

- A. Before commencing performance under this Agreement, and at all other times this Agreement is effective, CONSULTANT will procure and maintain the following types of insurance with coverage limits complying, at a minimum, with the limits set forth below:

<u>Type of Insurance</u>	<u>Limits (combined single)</u>
Commercial general liability	\$1,000,000
Professional liability	\$1,000,000
Business automobile liability	\$1,000,000
Workers compensation	Statutory requirement

- B. Commercial general liability insurance will meet or exceed the requirements of ISO-CGL Form No. CG 12 10 11 97. The amount of insurance set forth above will be a combined single limit per occurrence for bodily injury, personal injury, and property damage for the policy coverage. Liability policies will be endorsed to name DISTRICT, its officials, and employees as "additional insureds" under said insurance coverage and to state that such insurance will be deemed "primary" such that any other insurance that may be carried by DISTRICT will be excess thereto. Such insurance will be on an "occurrence" basis, except professional liability shall be on a "claims made" basis, and will not be cancelable or subject to reduction except upon a thirty- (30) day prior written notice to DISTRICT.
- C. Automobile coverage will be written on ISO Business Auto Coverage Form CA 00 01 10 01, including symbol 1 (Any Auto).

- D. CONSULTANT will furnish to DISTRICT duly authenticated Certificates of Insurance and Endorsements evidencing maintenance of the insurance required under this Agreement and such other evidence of insurance as may be reasonably required by DISTRICT from time to time. Insurance must be placed with insurers with a current A.M. Best Company Rating equivalent to at least a Rating of "A:VII." Originals of the duly authenticated Certificates of Insurance and Endorsements shall be included with this Agreement as Exhibit D.

XI. Successors and Assigns

This Agreement and all of the terms, conditions, and provisions hereof shall inure to the benefit of and be binding upon the parties hereto, and their respective successors and assigns; provided, however, that no assignment of this Agreement shall be made without written consent of the parties to this Agreement. Any attempt by the CONSULTANT to assign or otherwise transfer any interest in this Agreement without the prior written consent of the DISTRICT shall be void. Since the primary consideration of the DISTRICT in entering this agreement is the qualifications of the CONSULTANT, as opposed to a low bid, the DISTRICT will refuse to consent to assignments if it considers the assignee to have lesser qualifications. Any notice or instrument required to be given or delivered by this Agreement may be given or delivered by depositing the same in any United States Post Office, registered or certified, postage prepaid, addressed to:

DISTRICT:

Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, California 91978-2004
Attention: Mark Watton

CONSULTANT:

Firm Name
Address
Attention:

and shall be effective upon date of mailing.

XII. Project Organization

The CONSULTANT proposes to assign [name] as the Project Manager. The Project Manager shall not be removed from the project or reassigned without prior approval of the DISTRICT, which approval shall not be unreasonably withheld. No subcontracting of significant portions of the contracted services shall be made without prior approval of the DISTRICT.

XIII. Integration

This Agreement and the attached Exhibits represent the entire understanding by and between the DISTRICT and the CONSULTANT as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may not be modified or altered except in writing signed by both parties hereto.

XIV. Execution

OTAY WATER DISTRICT

CONSULTANT

Mark Watton, General Manager

Name, Title

APPROVED AS TO FORM

District Counsel

COPIES: FILE (Orig.), CONSULTANT, PROJECT MANAGER., ACCOUNTS PAYABLE

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EXHIBIT A

SCOPE OF SERVICES

SCOPE OF REQUIRED SERVICES

The Scope of Services shall be consistent with the following as may be revised by the District to include additions or deletions recommended by the Consultant for specific task orders.

The contract period will be two (2) years commencing upon the date noted in the Agreement with a not to exceed amount of \$150,000. The District does not guarantee any minimum amount of services to be performed for the duration of the contract.

The District will review the contract at the end of the first year and, based on need and performance, may desire to continue the agreement for one (1) additional year. The District reserves the right to request proposals from other firms for any project, including other work which the District may deem outside of the specialty or scope of this contract. The District reserves the right to appoint a different District Project Manager at any time to provide direction and coordination of the professional services to be provided by the Consultant.

CONSULTANT-PROVIDED SERVICES

SCOPE OF REQUIRED SERVICES

Task orders under this contract may not require the full level of work outlined herein, or may require additional work. Further, the number of projects to be evaluated over the term of the agreement is not known in certainty; therefore, work may or may not be available for the Consultant.

The scope of services listed below is intended to describe the typical services that may be requested of the Consultant. The services listed are not all-inclusive, but rather represent those normally expected during the performance of the contract. Specifically, the Consultant shall have experience and ability to perform the following:

Geotechnical Investigations:

The Consultant shall conduct subsurface geotechnical investigations for the design of new water storage reservoirs, pump stations and pipelines and their appurtenances, or for the modification, improvement or repair of existing District facilities.

1. Review available background data including geotechnical reports, geologic maps, pertinent literature and aerial photographs.
2. Perform geologic mapping of the site by an Engineering Geologist.

3. Mark-out subsurface exploration locations and Contact Underground Services Alert at least two working days prior to explorations. Obtain mark-out from all utility companies having utilities in the exploration area prior to conducting the explorations.
4. Provide brush clearing as may be required for site access and to perform tests.
5. Obtain any required drilling permits from the County of San Diego. Obtain any required encroachment permits for explorations within public right-of-way from the appropriate jurisdictional agency.
6. Perform subsurface explorations to evaluate the soil and groundwater conditions using conventional drilling or excavation equipment best suited for the site conditions and scope of the investigation. The types of equipment and the locations and depths of explorations shall be proposed by the Consultant for each specific project during the duration of the contract. The soil and groundwater conditions encountered in the explorations shall be logged by an engineer or geologist. Relatively undisturbed and bulk soil samples shall be collected for laboratory testing from borings at a minimum 5-foot depth interval. Borings and excavations shall be backfilled in accordance with County of San Diego requirements.
7. Perform laboratory testing of selected samples to characterize the in-place dry density, moisture content, grain-size distribution, shear strength, settlement potential, expansion potential, R-value, maximum density, optimum moisture content and soil corrosivity.
8. Perform seismic refraction surveys to evaluate bedrock rippability to design depths. The method and number of traverses which are anticipated shall be proposed by the Consultant for each specific project during the duration of the contract. A 12-channel, digital seismograph with a 10-pound hammer shall be used as the energy source for the seismic refraction surveys. If the Consultant proposes other methods, these alternative methods shall be discussed in the proposal.
9. Prepare geotechnical investigation reports to include tables, figures and appendices together with discussions of geotechnical findings, recommendations and conclusions. Reports shall provide the following information:
 - A summary of the field and laboratory test procedures and results including penetration resistance, soil classification of the materials encountered and depth to groundwater.
 - A summary of geologic conditions and evaluation of pertinent geologic hazards including seismicity, liquefaction potential, dynamic settlement potential, and slope stability.
 - The results of engineering analyses and recommendations for temporary excavations; shoring design parameters; dewatering; site preparation; removal of unsuitable soils; fill and backfill placement and compaction; permanent slope inclinations; shallow or deep foundations including vertical and horizontal load capacities and anticipated settlement;

allowable bearing for pipeline thrust blocks; modulus of soil reaction (E') for pipeline design; Portland cement concrete slabs-on-grade or structurally-supported slabs; retaining wall design parameters; seismic design parameters in accordance with UBC criteria; asphalt and Portland cement concrete pavements; corrosion potential of the on-site soils to below-grade ferrous metals and concrete foundations; suitability of on-site materials for use as pipe bedding and backfill; and imported fill requirements.

- Provide draft reports for the District's review.
- Incorporate pertinent review comments and provide final reports to the District.

Design Review

1. Attend meetings during the design phase.
2. Perform foundation and/or grading plan review for conformance with geotechnical recommendations.
3. Coordinate with the District's structural engineer and provide clarifications as necessary during design.

DELIVERABLES

1. All electronic digital drawings/design files shall be delivered in AutoCAD 2000 format or more recent.
2. All electronic text document deliverables shall be in the Microsoft Office platform (Word, Excel, PowerPoint, Project, etc.) version 2000 or more recent.
3. All Geographical Information System (GIS) files shall be delivered in ArcView Shapefile format (.shp).
4. All horizontal data (X,Y coordinates) shall be delivered using the California Coordinate System (NAD 83, Zone VI, feet). All vertical data (Z coordinates) shall be delivered using the North American Vertical Datum of 1988 (NAVD 88).
5. Specifications shall be in Construction Specification Institute (CSI) format and in conformance with District's Standard Specifications.

DISTRICT-PROVIDED SERVICES

The District will:

1. Provide existing reports, record drawings, and other related materials to the Consultant that are in the District's possession. All such materials will be provided in the format available (digital or non-digital).
2. Pay all required fees to California Department of Fish and Game, U.S. Army Corps of Engineers and other agencies as required, excluding fees for drilling permits, right-of-way encroachment permits or the cost of traffic control required for subsurface explorations which shall be paid for by Consultant.
3. Coordinate with the Consultant's Project Manager during all phases of the work for each project.

EXHIBIT B
Sample Invoice Format (Summary)

Firm Name
Address

INVOICE SUBMITTED TO:

Accounts Payable
Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, CA 91978-2004

DATE OF INVOICE:

INVOICE NO.

JOB DESCRIPTION:

PROJECT NAME: As-Needed Geotechnical
Services Contract
Otay Project Manager: David Padilla
Capital Improvement Project No: Pxxxx-00xxxx

AUTHORIZATION:

Purchase Order Number:
Work Order Number:
Consultant Project Number:

DESCRIPTION OF SERVICES RELATED TO INVOICE: 7/1/07 to 8/1/07

Perform geotechnical investigation and attend meetings.

AUTHORIZED AND INVOICED FEE:

Original Fee Amount Authorized	\$40,000.00
Change Order No. 1 Amount Authorized	\$ 250.00
Change Order No. 2 Amount Authorized	<u>\$ 1,350.00</u>
Total Fee Amount Authorized	\$41,600.00

Amount of This Invoice	\$ 5,433.00
Amount Previously Invoiced	<u>\$32,456.00</u>
Total Amount Invoiced to Date	\$37,889.00
Amount Previously Paid	\$32,456.00
Authorized Fee Amount Remaining	\$ 3,711.00
Percent Complete	91%

CONTRACTED DATE OF PROJECT COMPLETION: November 7, 2007

Invoice has been reviewed and found correct.

[Name], Project Manager

EXHIBIT C

Sample Invoice Format (task detail)

Otay Water District

As-Needed Geotechnical Services

MM/DD/YY

WO XXXX / CIP PXXXX-00XXXX

DESCRIPTION	THIS INVOICE			INVOICED TO DATE	CONTRACT AMOUNT	TOTAL %	
	HRS/ \$'s	RATE	AMOUNT			BILLED	COMPLETE
PROJECT TOTAL			\$5,763.35	\$20,884.30	\$46,500.00	45%	37%
TASK 1 – Project Management and Administration			\$3,955.25	\$15,420.90	\$20,600.00	75%	88%
Sub-Task 1.1	Data Acquisition		\$951.00	\$2,944.00	\$3,000.00	98%	100%
Project Manager	Smith	16.0 hr	41.00 \$/hr		\$656.00		
Drafter	Williams	5.0 hr	35.00 \$/hr		\$175.00		
Secretary	Allred	6.0 hr	20.00 \$/hr		\$120.00		
Sub-Task 1.2	Report Preparation		\$931.50	\$8,865.00	\$13,000.00	68%	75%
Principle	James	2.5 hr	95.00 \$/hr		\$237.50		
Project Manager	Smith	4.0 hr	41.00 \$/hr		\$164.00		
Drafter	Williams	14.0 hr	35.00 \$/hr		\$490.00		
Secretary	Allred	2.0 hr	20.00 \$/hr		\$40.00		
Direct Expenses			\$1,884.50	\$2,431.00	\$3,000.00	81%	81%
Reproduction		\$17.50	10%		\$19.25		
Subconsultant #1	B&K	\$610.00	5%		\$640.50		
Subconsultant #2	CEW	\$1000.00	5%		\$1,050.00		
TASK 2 – Review Existing Documentation & Related Proj. Info.			\$1,808.10	\$5,463.40	\$15,700.00	35%	22%
Sub-Task 2.1			\$951.00	\$2,944.00	\$12,000.00	25%	22%
Project Manager	Smith	16.0 hr	41.00 \$/hr		\$656.00		
Drafter	Williams	5.0 hr	35.00 \$/hr		\$175.00		
Secretary	Allred	6.0 hr	20.00 \$/hr		\$120.00		
Direct Expenses			\$762.00	\$2,225.00	\$2,500.00	89%	89%
Reproduction		\$120.00	10%		\$132.00		
Subconsultant #2	CEW	\$600.00	5%		\$630.00		

Note: 1) Consultant to edit, update, and add lines as necessary.

2) Rates shown above are to remain in effect throughout the life of the contract

EXHIBIT D

(Consultant's Insurance Certificate)



ATTACHMENT C

SUBJECT/PROJECT: Award of As-Needed Geotechnical Services Contract, FY 07-08

PROPOSAL RANKING

FIRM	REVIEWER	15	15	10	10	20	15	10	5	100	AVERAGE SCORE	RANK
		Qualifications, experience of Consultant's assigned personnel	Experience relevant to type of project being considered	Proposed method to accomplish work	Knowledge of jurisdictional agencies, local area environmental concerns, and regulatory requirements	Proposed Fee	Completeness, addressed requested information	Ability to complete projects on schedule	Consultant's commitment to EBE, DBE, MBE, SBE	TOTAL SCORE		
Geo-Environmental, Inc.	Elmer Alex	15	14	3	4	20.0	14	10	5	85.0	83.0	4.0
	David Padilla	15	15	4	5	20.0	12	10	5	86.0		
	Jim Peasley	9	9	8	6	20.0	11	8	5	76.0		
	Marta Riendeau	15	15	5	7	20.0	8	7	5	82.0		
	Richard Shackley	15	15	6	6	20.0	11	8	5	86.0		
Geotechnics Inc.	Elmer Alex	15	15	3	4	19.0	15	8	5	84.0	87.6	2.0
	David Padilla	15	15	8	9	19.0	14	10	5	95.0		
	Jim Peasley	10	12	8	8	19.0	12	8	5	82.0		
	Marta Riendeau	12	14	8	10	19.0	10	7	5	85.0		
	Richard Shackley	14	15	8	9	19.0	13	9	5	92.0		
Geotek, Inc.	Elmer Alex	15	14	10	10	14.6	15	10	0	88.6	79.4	7.0
	David Padilla	15	14	10	9	14.6	13	10	0	85.6		
	Jim Peasley	8	12	8	7	14.6	12	8	0	69.6		
	Marta Riendeau	11	12	8	9	14.6	11	7	0	72.6		
	Richard Shackley	14	13	8	9	14.6	13	9	0	80.6		
Leighton Consulting, Inc.	Elmer Alex	15	14	9	6	15.8	15	6	0	80.8	80.4	6.0
	David Padilla	15	14	8	7	15.8	14	6	0	79.8		
	Jim Peasley	12	12	8	8	15.8	12	8	0	75.8		
	Marta Riendeau	12	13	8	10	15.8	14	8	0	80.8		
	Richard Shackley	15	14	10	9	15.8	13	8	0	84.8		
Ninyo & Moore	Elmer Alex	15	15	10	10	13.6	14	10	5	92.6	87.4	3.0
	David Padilla	15	15	10	10	13.6	14	6	5	88.6		
	Jim Peasley	13	12	8	9	13.6	12	8	5	80.6		
	Marta Riendeau	14	15	8	10	13.6	11	7	5	83.6		
	Richard Shackley	15	15	10	10	13.6	14	9	5	91.6		
Petra Geotechnical, Inc.	Elmer Alex	13	13	8	4	10.0	15	8	0	71.0	70.0	10.0
	David Padilla	12	13	8	6	10.0	14	10	0	73.0		
	Jim Peasley	9	11	9	6	10.0	12	8	0	65.0		
	Marta Riendeau	13	13	8	7	10.0	10	10	0	71.0		
	Richard Shackley	12	13	8	6	10.0	12	9	0	70.0		



ATTACHMENT C

SUBJECT/PROJECT: Award of As-Needed Geotechnical Services Contract, FY 07-08

PROPOSAL RANKING

FIRM	REVIEWER	15	15	10	10	20	15	10	5	100	AVERAGE SCORE	RANK
		Qualifications, experience of Consultant's assigned personnel	Experience relevant to type of project being considered	Proposed method to accomplish work	Knowledge of jurisdictional agencies, local area environmental concerns, and regulatory requirements	Proposed Fee	Completeness, addressed requested information	Ability to complete projects on schedule	Consultant's commitment to EBE, DBE, MBE, SBE	TOTAL SCORE		
PSI, Inc.	Elmer Alex	13	13	3	4	18.5	15	9	0	75.5	73.3	9.0
	David Padilla	13	13	5	5	18.5	13	10	0	77.5		
	Jim Peasley	8	8	8	5	18.5	12	8	0	67.5		
	Marta Riendeau	12	11	6	7	18.5	8	9	0	71.5		
	Richard Shackley	12	12	5	6	18.5	12	9	0	74.5		
Sladden Engineering	Elmer Alex	10	8	3	4	14.2	7	4	0	50.2	63.2	11.0
	David Padilla	13	13	5	5	14.2	8	6	0	64.2		
	Jim Peasley	8	7	8	4	14.2	11	8	0	60.2		
	Marta Riendeau	15	12	8	8	14.2	12	8	0	77.2		
	Richard Shackley	13	10	6	6	14.2	10	5	0	64.2		
Solid Rock Engineering, Inc.	Elmer Alex	14	13	5	4	17.5	15	0	5	73.5	77.1	8.0
	David Padilla	13	13	5	5	17.5	12	5	5	75.5		
	Jim Peasley	10	11	8	8	17.5	12	8	5	79.5		
	Marta Riendeau	12	14	5	10	17.5	10	7	5	80.5		
	Richard Shackley	12	13	7	6	17.5	10	6	5	76.5		
Southern California Soil & Testing, Inc.	Elmer Alex	14	13	9	10	16.8	13	9	5	89.8	87.8	1.0
	David Padilla	14	14	9	9	16.8	12	10	5	89.8		
	Jim Peasley	11	13	9	9	16.8	13	8	5	84.8		
	Marta Riendeau	11	13	9	10	16.8	11	7	5	82.8		
	Richard Shackley	15	14	9	10	16.8	13	9	5	91.8		
Testing Engineers - San Diego, Inc./Bureau Veritas	Elmer Alex	15	15	8	6	18.8	14	10	0	86.8	82.2	5.0
	David Padilla	14	14	8	8	18.8	12	10	0	84.8		
	Jim Peasley	11	11	8	7	18.8	11	8	0	74.8		
	Marta Riendeau	13	13	8	9	18.8	12	9	0	82.8		
	Richard Shackley	13	13	8	8	18.8	13	8	0	81.8		



AGENDA ITEM 5

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	December 6, 2006
SUBMITTED BY:	Ron Ripperger <i>[Signature]</i>	C.I.P./ G.F. NO:	P2185 DIV. NO. 5
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:	Award of a Construction Contract for the 640-1 and 640-2 Reservoirs Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Board:

- 1) increase the project budget from \$27,000,000 to \$29,500,000, and
- 2) award a construction contract to Pacific Hydrotech Corporation, Inc. (Pacific Hyrdotech) in the amount of \$24,894,000 for the construction of the 640-1 and 640-2 Reservoirs Project (See Exhibits A and B for the project location).

COMMITTEE ACTION: _____

Please see Attachment A.

PURPOSE:

To obtain Board authorization to award a construction contract to Pacific Hydrotech for the construction of the 640-1 and 640-2 Reservoirs Project.

ANALYSIS:

This construction project consists of four main elements of work. The first portion includes earthwork to prepare the site for the installation of two ten million gallon prestressed concrete, circular reservoirs. The second includes installing nearly 12,000 lineal feet of CML&C steel pipe ranging in diameter from 12-inch to 42-inch. The third element is the construction of the two reservoirs. Finally, the existing 520-1 Reservoir that was constructed in 1962 will be demolished due to its age and problems with its hydraulic compatibility within the Regulatory Site.

Infrastructure Engineering Corporation, the District's consultant, designed the reservoir project and developed the bid contract documents. Staff utilized the services of WRA & Associates and RBF Consulting to conduct a final construction risk assessment review prior to bid. This review resulted in an increase of \$1.1 Million in allowances to the project for a variety of critical items such as providing a cost loaded schedule, installing soundwall barriers, regulated material identification and removal, locating unknown or unidentified utilities, suspension of blasting operations and additional potholing. These bid allowances will be used only if required.

The project was advertised for bid on September 18, 2006; subsequently five addenda were sent out to all bidders and plan houses to address contractors' questions and clarifications to the contract documents during the bidding period. Bids were publicly opened on November 9, 2006, with the following results:

<u>ENGINEER'S ESTIMATE</u>	<u>\$25,810,000</u>
<u>CONTRACTOR</u>	<u>TOTAL BID AMOUNT</u>
1 Pacific Hydrotech Corp. (Perris, CA)	\$24,894,000
2 SEMA Construction, Inc. (Lake Forrest, CA)	\$26,765,000
3 Gateway Pacific Contractors, Inc. (Sacramento, CA)	\$27,479,960
4 T.C. Construction Company, Inc. (Santee, CA)	\$29,818,500
5 SSC Construction Inc. (Corona, CA)	\$30,705,000
6 CDM Constructors Inc. (Rancho Cucamonga, CA)	\$35,552,000

Staff estimated the total CIP project budget was \$27,000,000 during the budget preparation process for Fiscal Year 2007. At that time, the engineer's estimate without allowances was \$24,710,000. Staff felt it was too conservative and reduced the estimate to \$24,100,000 for budgeting purposes. However, this number did not include any contingencies for change orders or allowances for unknown issues encountered during construction. After adding a 3% change order contingency, \$1.1 Million in allowances, increased dollars for staff time during construction and additional funding for a greater effort for construction management, the budget needs to be increased by \$2,500,000 to \$29,500,000. Please see Attachment B for a comparison between the original budget and the revised budget.

The evaluation process included reviewing all bids submitted for conformance to the contract documents. The lowest bidder, Pacific Hydrotech, submitted a responsible bid and holds a Class A Contractor's License as required by the contract documents and has a Hazardous Substances Removal certification.

The District has no past experience with Pacific Hydrotech. References were checked and Pacific Hydrotech found to be a highly rated company. Staff also verified that it can comply with the bonding requirements for this project. Per the public competitive bidding process, staff is recommending the award of a construction contract to Pacific Hydrotech in the amount of \$24,894,000.

FISCAL IMPACT: 

The total budget for CIP P2185 is \$27,000,000, as approved in the 2007 budget process. The actual costs paid on this project as of November 7, 2006, are \$1,735,917. Total expenditures plus outstanding commitment and forecast to date, including this contract, are approximately \$29,500,000. Based on the cost analysis performed, staff has determined that a budget increase is necessary. Attachment C is a table listing commitments, expenditures, and projected final costs.

With the revisions to the planned cash flows and debt financing, as outlined in the "FY 2007 First Quarter Capital Improvement Program (CIP) Report", the funds will be available from the expansion and betterment funds.

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: _____

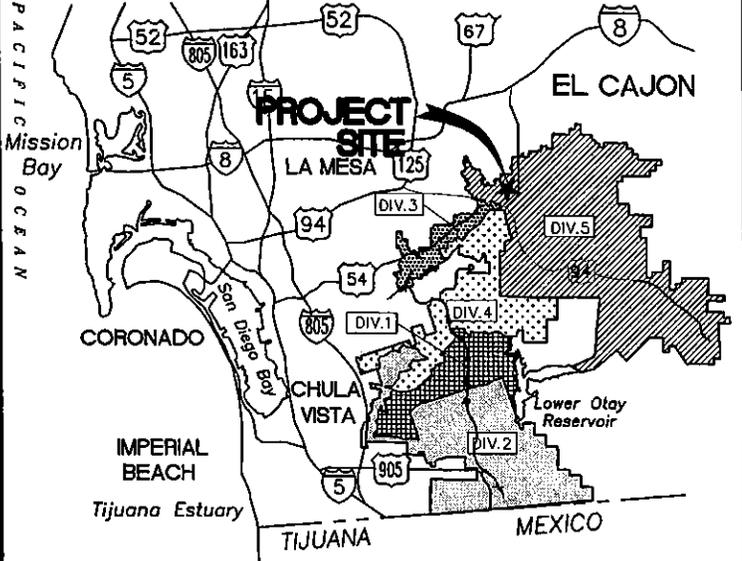
None



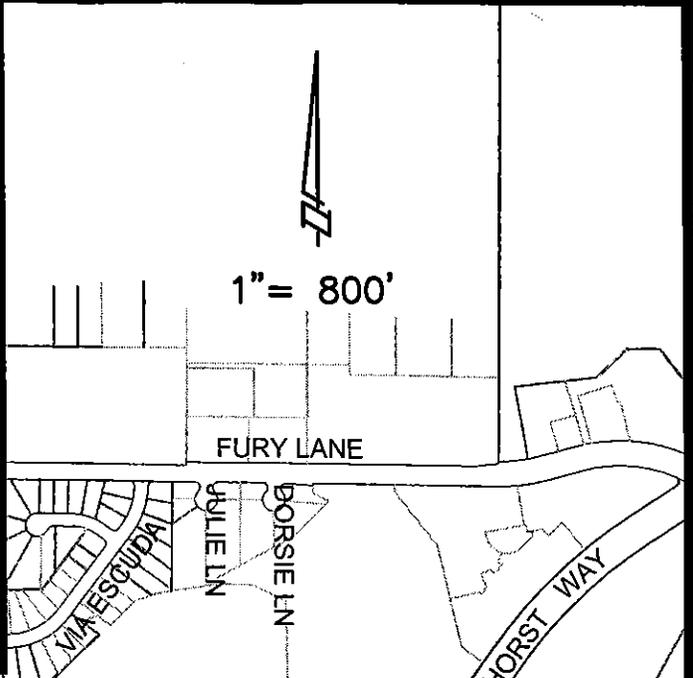
General Manager

HJ/RR/MA:jf
Attachments

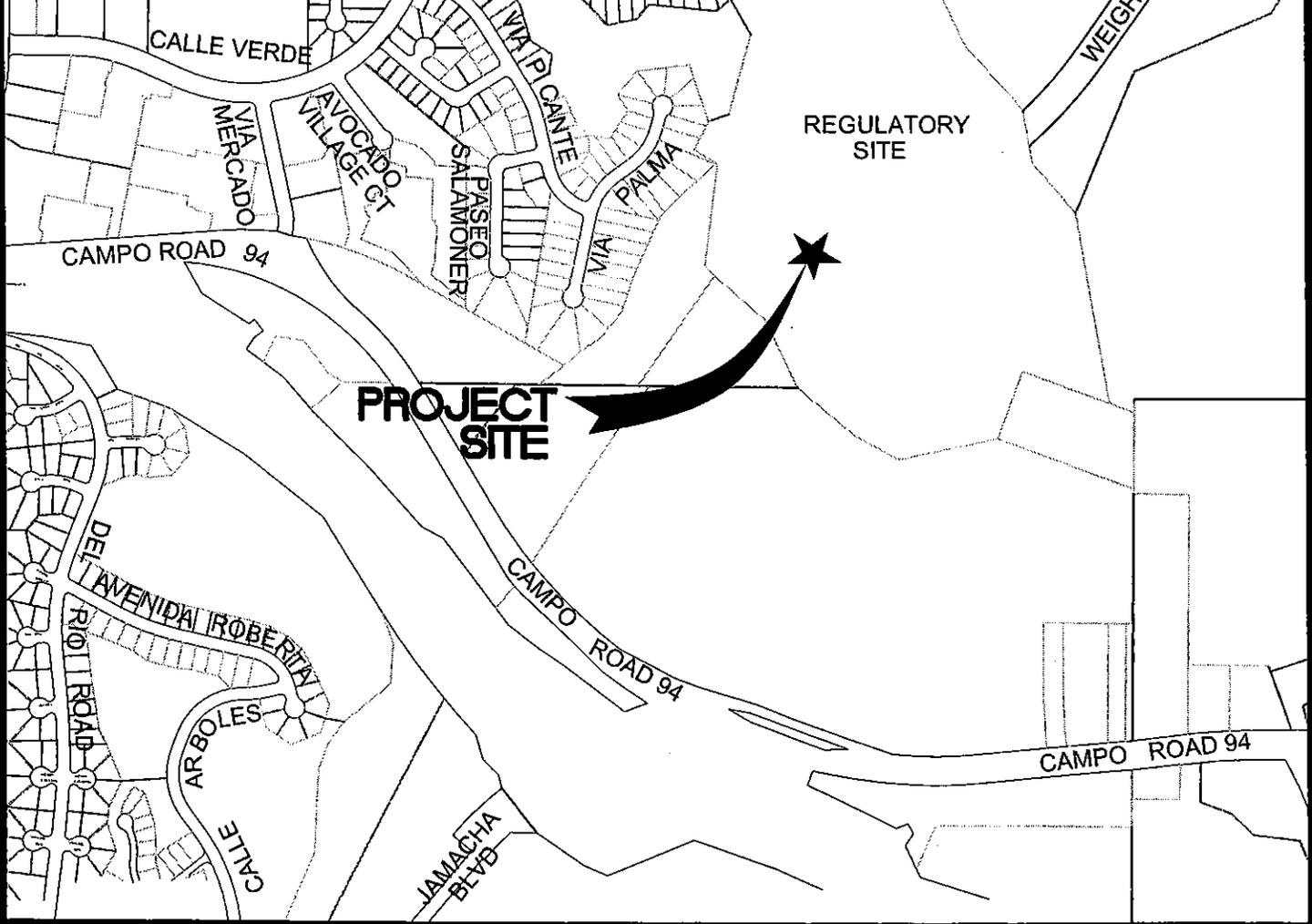
P:\WORKING\CIP 00185\W0 30018\Graphics\Exhibits-Figures\640-1 RES SITE.dwg 11/6/2006 11:08:02 AM PST



VICINITY MAP



1" = 800'



PROJECT SITE

REGULATORY SITE



OTAY WATER DISTRICT

PROPOSED

640-1 AND 640-2 RESERVOIRS

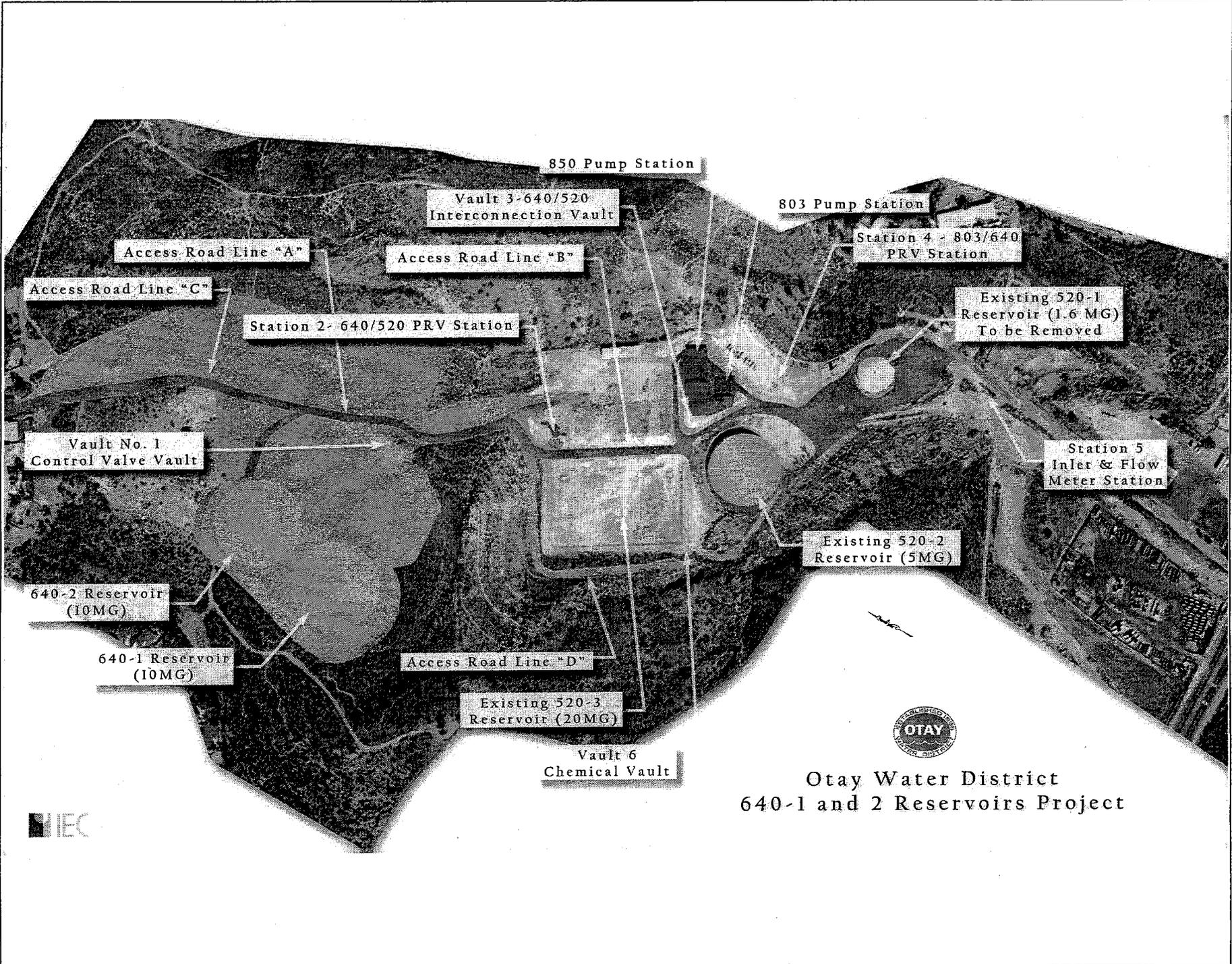
W.O. 30018

LOCATION MAP

CIP 2185

EXHIBIT A

PA:\PROJECTS\CIP 2008\Graphics\Exhibits-Figures\640-1 RES SITE Exhibit B.mxd 11/6/2006 10:29:09 PM PST




 Otay Water District
 640-1 and 2 Reservoirs Project

EXHIBIT B



ATTACHMENT A

SUBJECT/PROJECT:	Award of a Construction Contract for the 640-1 and 640-2 Reservoirs Project (P2185)
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COMMITTEE ACTION:

The Engineering and Water Operations Committee reviewed this item at a meeting held on November 15, 2006. 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:	Award of a Construction Contract for the 640-1 and 640-2 Reservoirs Project - Budget Comparison
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Otay Water District

Date Updated: November 7, 2006

P2185 - Res - 640-1 Reservoir 20.0 MG

<i>Phase</i>	<i>Original Budget</i>	<i>Revised Budeget</i>	<i>Variance</i>
Planning			
Studies	\$ 500,000.00	\$ 118,929.39	\$ (381,070.61)
Miscellaneous	\$ -	\$ 439,828.84	\$ 439,828.84
Environment	\$ 100,000.00	\$ -	\$ (100,000.00)
Preliminary Design	\$ 100,000.00	\$ -	\$ (100,000.00)
Total Planning	\$ 700,000.00	\$ 558,758.23	\$ (141,241.77)
Design			
Subcontract/Consultant	\$ 800,000.00	\$ 863,258.64	\$ 63,258.64
In House/Labor	\$ 200,000.00	\$ 284,757.61	\$ 84,757.61
Total Design	\$ 1,000,000.00	\$ 1,148,016.25	\$ 148,016.25
Construction			
In House/Labor	\$ 300,000.00	\$ 921,803.56	\$ 621,803.56
Miscellaneous		\$ 30,601.96	\$ 30,601.96
Construction Contracts	\$ 24,100,000.00	\$ 24,894,000.00	\$ 794,000.00
3% Contingency		\$ 746,820.00	\$ 746,820.00
Consultant Contract (CM)	\$ 900,000.00	\$ 1,200,000.00	\$ 300,000.00
Total Construction	\$ 25,300,000.00	\$ 27,793,225.52	\$ 2,493,225.52
Grand Total	\$ 27,000,000.00	\$ 29,500,000.00	\$ 2,500,000.00



ATTACHMENT C

SUBJECT/PROJECT:	Award of a Construction Contract for the 640-1 and 640-2 Reservoirs Project - Budget Detail
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Otay Water District

P2185 - Res - 640-1 Reservoir 20.0 MG

Date Updated: November 7, 2006

Budget \$27,000,000	Committed	Expenditures	Outstanding Commitment & Forecast	Projected Final Cost	Vendor / Comments
Planning					
Studies	\$ 118,929.39	\$ 118,929.39		\$ 118,929.39	Boyle Engineering
In House/Labor		\$ 102,592.36		\$ 102,592.36	
Printing	\$ 223.58	\$ 223.58		\$ 223.58	Tiger Reprographics
Office Supplies	\$ 25.05	\$ 25.05		\$ 25.05	Petty Cash Custodian
Gas & Electric	\$ 750.00	\$ 750.00		\$ 750.00	San Diego Gas & Electric
Subcontract	\$ 175,783.84	\$ 175,783.84		\$ 175,783.84	FMS (No Detail)
	\$ 153,831.91	\$ 153,831.91		\$ 153,831.91	FMS (No Detail)
Miscellaneous	\$ 362.25	\$ 362.25		\$ 362.25	Bob Turner's Crane Services Inc.
Chemical Feed Systems	\$ 6,169.48	\$ 6,169.48		\$ 6,169.48	Core-rosion Products
Postage	\$ 26.57	\$ 26.57		\$ 26.57	Fed-Ex
Service Contracts	\$ 63.80	\$ 63.80		\$ 63.80	Sedona Staffing
Land/Easement Acquisition				\$ -	
Total Planning	\$ 456,165.87	\$ 558,758.23	\$ -	\$ 558,758.23	
Design					
Subcontract	\$ 8,499.72	\$ 8,499.72		\$ 8,499.72	E & J Weed Abatement Co.
Consultant Contracts	\$ 822,000.00	\$ 740,215.00	\$ 81,785.00	\$ 822,000.00	Infrastructure Engineering Corp
		\$ 682.01		\$ 682.01	Environmine
		\$ 7,800.00		\$ 7,800.00	Fire Prevention Services Inc.
		\$ 600.00		\$ 600.00	Pacific Southwest Biological
		\$ 4,720.00	\$ 4,720.00	\$ 4,720.00	WRA & Associates
		\$ 9,711.41		\$ 9,711.41	John Powell & Associates
Regulatory Agency Fee	\$ 1,250.00	\$ 1,250.00		\$ 1,250.00	State of California
In House/Labor		\$ 284,757.61		\$ 284,757.61	
Materials	\$ 537.10	\$ 537.10		\$ 537.10	Traffic Control Services Inc
		\$ 152.00		\$ 152.00	Allied Trench Shoring Services
Advertise and Award	\$ 7,306.40	\$ 26.94	\$ 7,279.46	\$ 7,306.40	OCB Reprographics
Total Design	\$ 863,258.64	\$ 1,054,231.79	\$ 93,784.46	\$ 1,148,016.25	
Construction					
In House/Labor		\$ 92,324.55	\$ 809,479.01	\$ 901,803.56	
Materials	\$ 122.40	\$ 122.40		\$ 122.40	Office Depot
	\$ 5,466.34	\$ 5,466.34		\$ 5,466.34	National Waterworks Inc.
Temporary Labor		\$ 382.80		\$ 382.80	Sedona Staffing
Shipping	\$ 20.62	\$ 20.62		\$ 20.62	Fed-Ex
Construction Contracts	\$ 23,377.00	\$ 23,377.00		\$ 23,377.00	San Diego Gas & Electric
	\$ 24,894,000.00		\$ 24,894,000.00	\$ 24,894,000.00	Pacific Hydrotech Corp
	\$ 746,820.00		\$ 746,820.00	\$ 746,820.00	Contingency @ 3%
Consultant Contract (CM)	\$ 1,200,000.00		\$ 1,200,000.00	\$ 1,200,000.00	Construction Manager
Professional & Legal Fees	\$ 96.00	\$ 96.00		\$ 96.00	Burke Williams & Sorensen LLP
	\$ 487.20	\$ 487.20		\$ 487.20	Garcia, Calderon & Ruiz
Service Contracts	\$ 649.60	\$ 649.60		\$ 649.60	San Diego Daily Scripts
Acpt/close-out			\$ 20,000.00	\$ 20,000.00	In House Staff
Total Construction	\$ 26,871,039.16	\$ 122,926.51	\$ 27,670,299.01	\$ 27,793,225.52	
Grand Total	\$ 28,190,463.67	\$ 1,735,916.53	\$ 27,764,083.47	\$ 29,500,000.00	