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October 15, 1993

Board of Directors (Engineering and Operations Committee--Information)

From: General Manager

Subject: Quarterly Status Report for the Domenigoni Valley Reservoir Project

Report

Design of the major elements of the Domenigoni Valley Reservoir is continuing and substantial progress is being made towards implementation of the project. Current activities include land acquisition, site clearing, detailed design, geotechnical field investigations, archaeological testing and recovery, mitigation monitoring, construction of the San Diego Canal Relocation, and public information coordination.

The attached Quarterly Status Report provides information on progress of the project for the period from July through September 1993. Key information is provided on major work elements, their current status, and projected activities during the next quarter.

Board Committee Assignment

This letter is referred for information to Engineering and Operations Committee because of its interest in the storage and treatment of water, pursuant to Administrative Code Section 2431(c).

Recommendation

For information only.

John R. Wodraska

DGM/nkh (bd:QrlyStsRpt.931015B)

Attachment



Domenigoni Valley Reservoir Project



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Domenigoni Valley Reservoir Project QUARTERLY PROJECT STATUS REPORT

Report #3
July-September 1993

FOREWORD

The Domenigoni Valley Reservoir will be formed by two earth/rockfill dams, 4.4 miles apart, within the Domenigoni and Diamond Valleys, plus a third saddle dam at the low point in the north rim. Associated hydraulic structures consist of an inlet/outlet tower, powerhouse, connecting tunnel, forebay, and spillway. The East Dam will be approximately 178 feet high and 10,800 feet long while the West Dam will be approximately 280 feet high and over 8,000 feet long. The total earthwork volume of the East and West Dams is approximately 85,000,000 cubic yards.

SWP water will be delivered to the reservoir via the new Inland Feeder and its extension, the new 12-foot diameter Eastside Pipeline, which will be located adjacent to the San Diego Canal. Water from the CRA will be delivered to the reservoir by the San Diego Canal. Water from the canal will be diverted into the pumping forebay below the West Dam and pumped into the reservoir by pump generating plant PG-1. The powerhouse will include up to 40 MW of power generation capacity.

Deliveries from the reservoir into the CRA will be through the 12-foot diameter Eastside Pipeline, bypassing the PG-1 generating plant. Deliveries to the San Diego Canal will be made through PG-1 and the forebay into the canal.

Relocations within the reservoir area include Newport Road and its parallel utilities, which will be relocated north of the valley, and the San Diego Canal, which currently crosses the valley under the axis of the West Dam, and will be relocated west of the dam.

Under the first broad application of multi-species preservation planning, two separate wildlife reserves have been established to protect and enhance the region's wildlife, including a variety of rare plants and animals. The Multi-Species Habitat Conservation Plan for this project includes approximately 9,000 acres. The Santa Rosa Plateau includes 1,700 acres purchased by Metropolitan. The Plateau was developed from an innovative environmental mitigation banking agreement that protects numerous sensitive and endangered species for this and for future projects. In addition, another 1,800 acres of recreation and open space area are being planned for camping, hiking, riding, golfing, fishing, and swimming in special lakes separated from the main reservoir. Extensive archaeological investigation and recovery operations are underway in the region to recover and preserve artifacts from past Native American settlements.

When completed, the new reservoir will nearly double the amount of surface storage available in Metropolitan's service area to provide a more reliable delivery of imported water during peak summer months, droughts, and emergencies. It will cover 4,500 acres and hold 800,000 acre feet, or 269 billion gallons of water.

DOMENIGONI VALLEY RESERVOIR AND FACILITIES

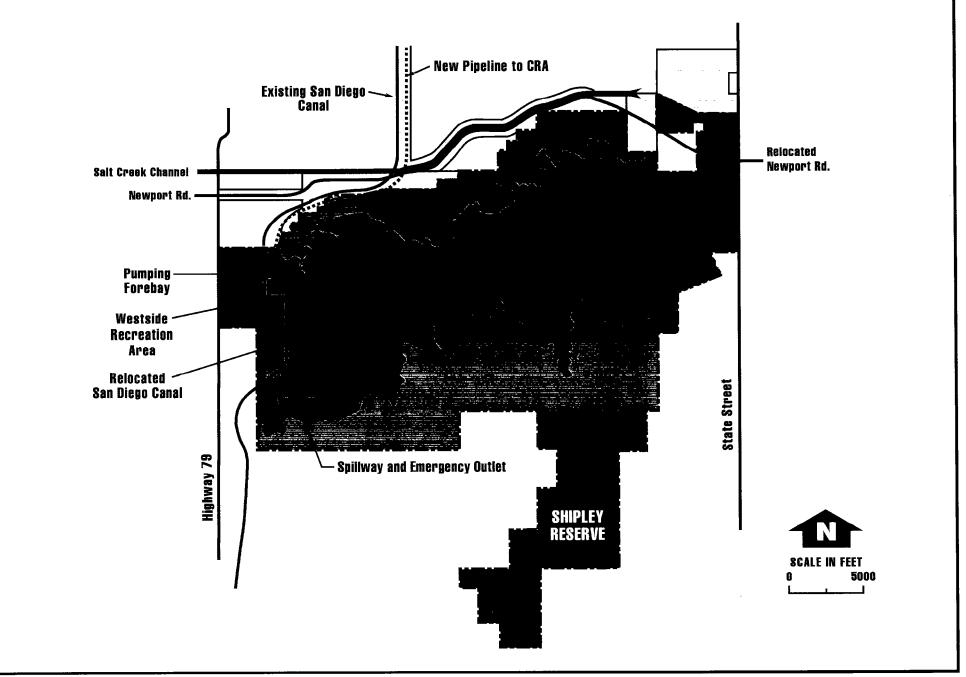


TABLE OF CONTENTS

PROGRESS SUMMARY

MAJOR ACCOMPLISHMENTS THIS QUARTER

OVERVIEW OF PROJECT ELEMENTS

- Land and Right-of-Way Acquisition
- Environmental Mitigation
- Hazardous Materials Remediation
- Historical Investigations
- Prehistoric Investigations
- Public Awareness and Recreation
- Dam Design Ebasco Design Services
- Pump-Generating Plants & Hydraulic Features Ebasco Design Services
- Newport Road Relocation
- Eastside Pipeline
- San Diego Canal Relocation

COST SUMMARY

- Project Financial Profile
- Cumulative Cash Flow
- Annual Cash Flow

SCHEDULE SUMMARY

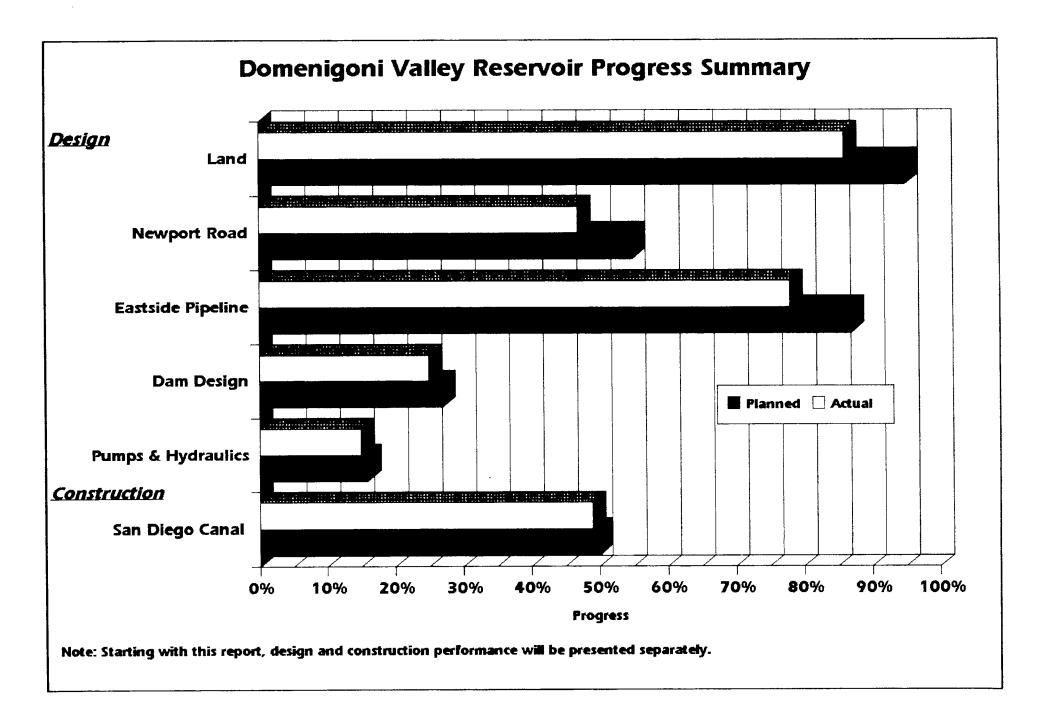
MBE/WBE AND LOCAL PARTICIPATION

RIGHT-OF-WAY AVAILABILITY

Property Acquisition Status

ISSUES AND POTENTIAL RESOLUTIONS

GOALS FOR NEXT QUARTER



MAJOR ACCOMPLISHMENTS THIS QUARTER

Design

General

- Incorporated MWD comments and issued the 100% drawings and specifications for the Field Office Complex bid package. Advertised the Field Office bid package and held pre-bid meeting at the site.
- Presented the current dam design status at the September Independent Board of Consultants Meetings held from September 13 through 16, and participated in follow-on discussions to further refine the alternatives.
- Received all MWD comments on the Temporary Visitor Center 90% final design, which are now being incorporated.
- Received final approval on the graphics design for the Visitor Center exhibits.
- Received Board approval to award a contract to EDAW, Inc. for roadside landscape design services along Highway
 79. the relocated Newport Road, and State Street. Finalized the contract and issued the NTP.
- Incorporated final comments into the Baseline CPM Schedule.

Dams

- Completed precedent reports for earth, rockfill, and RCC dams relevant to the Domenigoni Valley Reservoir dam designs.
- Completed preliminary stability analyses and axis alternatives for the West and East Dams.
- Prepared quantity takeoffs and preliminary cost estimates for alternative alignments and configurations for the East,
 West and Saddle Dams.
- Prepared interim reports on grouting considerations at the dams.
- Completed interim reports on core cutoff alternatives and grouting considerations for the East and West Dams.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

- Initiated seismic deformation analyses for all dams.
- Completed foundation cutoff alternatives report.
- Completed Saddle Dam volume estimates and developed unit rates for four alternative dam types.
- Completed draft responses to the Menifee Union School District questions on dam inundation. Received additional
 questions and submitted responses.

Pump-Generating Plants and Hydraulic Facilities

- Concluded preliminary location studies of the Inlet/Outlet Tower and G2.
- Held the first Hydraulic Structures and Equipment Review Meeting on July 21-22 to review preliminary submittals of PG-1 Unit Selection, Economic Criteria, Inlet/Outlet Tower Location and Configurations, Emergency Discharge Releases and Forebay Trash Rack Alternatives.
- Submitted 16 deliverables for MWD review on the following studies:

Utility Inventory

Clearing, Grubbing, and Demolition

PG-1 Transmission System/Switchyard Configuration

PG-1 Unit Selection

PG-1 Bypass System Selection

PG-1 Motor /Generator Selection Study

Surface Water Construction Impacts and Mitigation

Surface Water Operation Impacts and Mitigation

G2 Site Selection Report (draft)

G2 Site Selection Hydraulic Characteristics

Forebay Trash Rack Configuration

Forebay Configuration Study (second draft)

Tunnel Portal and Alignment

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

Location and Access Needs Study Generator Feasibility Study CRA Pressurization Control Study

- Prepared an initial screening report reducing the ten pump/generator alternatives to one, which will be further analyzed in a more detailed cost evaluation.
- Authorized the Geohydrology Subcontract (WP 16) and began work on groundwater studies.
- Issued the following studies as second drafts:

Forebay Configuration Alternatives and Selection Variable Speed, Motor Starting Methods Pump/Turbine Selection Bypass System Selection Operations Plan

Issued the following studies as final reports:

Utility Inventory
Construction Water
Construction Power
Construction Communication
Clearing and Grubbing
Economic Criteria

- Started the baseline Ground Water Hydrology activities.
- Conducted field reconnaissance of the Warm Springs Creek and Salt Creek downstream to Highway 215 and Railroad Canyon Reservoir to verify emergency release capacities.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

Field Geotechnical Investigation

- Completed Phase A geotechnical field investigations and laboratory analyses and issued the final reports.
- Based on the results of the Phase A geotechnical investigation and meetings with the Independent Board of Consultants, refined and down scaled the Phase B geotechnical investigation.
- East Dam Foundation completed all Phase A drilling work and began core boring on initial Phase B holes in the Central Hills and North Abutment.
- West Dam Foundation completed all Phase A drilling work and completed Phase B core boring on Domenigoni property.
- PG-1 Facility drilled three holes and performed pressure testing in the powerhouse area.
- G2 Facility performed cone penetration tests at each of the three alternative sites.
- Resumed exploration of alluvial borrow in the central valley area, and near Borrow Areas 2 and 3, with seismic refraction surveys, bucket auger borings and test pits, to establish a 1000-foot grid.
- Excavated dozer trenches in the north abutment of the East Dam, and in Borrow Area 5, to investigate possible
 extensions of the inactive Rawson Canyon fault.
- Completed drilling and installation of piezometers for the north channel (West Dam) aquifer pump test.
- Completed specifications for groundwater pumping tests at the West Dam.
- Performed seismic refraction surveys in the alluvial borrow areas.
- Began Phase B field geotechnical investigations on July 12.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

- Completed the plan for the rock test blast and fill at Borrow Area #5.
- Completed the Saddle Dam area geologic logs for two test trenches (8 & 9) and located the Phase B borings and trenches.

Advance Relocations/Construction

Newport Road Relocation

- Received authorization from the Board of Directors to enter into a Memorandum of Understanding with Riverside
 County and the City of Hemet to Construct the Relocated Newport Road and the Salt Creek Flood Control Channel
 Improvements.
- Finalized the agreement with Riverside County to perform plan review and document processing.
- Mobilized LKR, the geotechnical subconsultant for NBS/Lowry, and completed the field subsurface geotechnical investigation and laboratory testing of soil samples. Began work on the final report.
- Settled the Garrett lawsuit on CEQA compliance in Metropolitan's favor.

San Diego Canal Relocation

- Completed forming for, and placed concrete in, the counterforts for the North Siphon Inlet Transition.
- Placed concrete in the final Radial Gate invert slab section, for a total of 36 slab sections.
- Completed the final two wall sections at the South Siphon, for a total of 22 wall sections.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

- Completed excavation for all structures, with the exception of the noncounterforted portion of the South Siphon Outlet Transition.
- Suspended canal embankment operations until access to the Scheenstra property is obtained, which is expected by the first of October.
- Stripped the deck falsework and began concrete patching at the North Siphon. The North Siphon is 90% complete.
- Installed the radial gate invert embed and drop gate guide embeds necessary to complete the Radial Gate Structure invert slabs and walls. The Radial Gate Structure is now 97% complete.
- Completed concrete placement for the South Siphon wall sections. The South Siphon is now 78% complete.
- Began concrete placement in the South Box Culvert, which is now 26% complete.

Eastside Pipeline

- Completed seed collection required for environmental mitigation of the San Jacinto Saltbush.
- Completed environmental field investigations and verified the presence of wetlands.
- Met with NBS/Lowry to discuss design alternatives for bridge over the Eastside Pipeline, and to coordinate
 construction interfaces with the Eastside Pipeline and the Salt Creek Channel.
- Resolved final design issues on the Eastside Pipeline related to the Newport Road relocation.
- Issued the 90% checkset for plans and specifications.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

Program Management

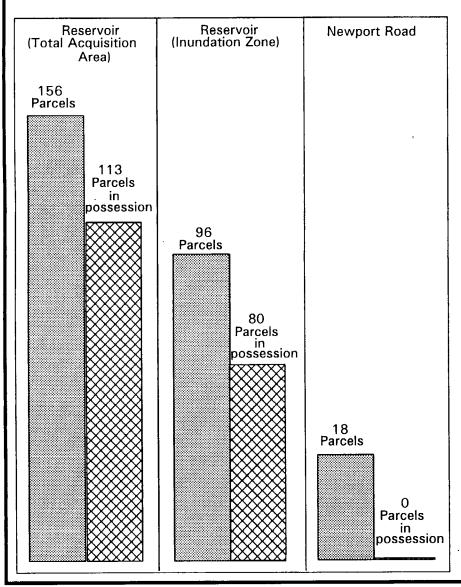
- Issued the final Security Report.
- Conducted interviews for Landscaping and Paleontology bid evaluations and made award recommendations.
- Completed development of the Cultural Resources Report to track SHPO submittals.
- Revised Infotec and Greenwood schedules to include new budgets authorized by the Board.
- Finalized and distributed procedures for Field Administration and Site Management, Mapping Configuration Control, Field Liaison and Communication, Environmental and Cultural Resource Mitigation Management, and Property Possession and Disposal.
- Completed review and cataloguing of historical photographs for the interpretive planning process.
- Developed and implemented a parcel tracking system for landscaping land acquisition and the Eastside Pipeline.
- Reviewed and commented on 3 submittals of the Ebasco baseline CPM schedule for dam and hydraulic facilities design.
- Met with consultants to establish productivity improvements and cost savings.
- Established Design Review Tracking System and began tracking design deliverables.
- Established an on-line Design Review Comment System, which is now tracking over 200 design review comments.

MAJOR ACCOMPLISHMENTS THIS QUARTER (continued)

Land Acquisition

- Acquired 113 parcels to date, equivalent to 72% of total parcels and 86% of the required reservoir land area.
- Submitted four parcels to the Land Committee and to the full Board to commence condemnation proceedings.
- Submitted Resolutions of Necessity to the Board of Directors on 4 parcels.

LAND AND RIGHT-OF-WAY ACQUISITION



COMMENTS

DOMENIGONI VALLEY PROPERTY

Land area acquired = 86% Parcels acquired = 72%

NEWPORT ROAD

- Appraisals and offers are proceeding. All possible entry permits have been obtained.
- Four parcels were submitted to the Land Committee and to the Board to commence condemnation proceedings.

LANDSCAPE SCREENING

The ROW Division is appraising the identified landscape parcels.

EASTSIDE PIPELINE

- A Supplemental EIR is being processed to allow for the additional permanent ROW, to provide for sufficient access, to accommodate the alignment change, and the Secondary Inlet addition.
- The schedule for acquiring the ROW will extend to June 94.

ENVIRONMENTAL MITIGATION

Administrative

- Completed the Eastside Pipeline Supplemental Environmental Impact Report (SEIR) and submitted it for internal review. Conducted a public meeting for the Eastside Pipeline SEIR on September 21.
- Submitted a draft re-burial agreement to the local Native American community and entered into negotiations with their legal counsel.

Biological Resources

- Exchanged Metropolitan land in Potrero Canyon for Bureau of Land Management (BLM) land in Domenigoni Valley. Metropolitan will now have access to these Domenigoni lands without federal participation in the project.
- Initiated informal environmental documentation on changes to the Eastside Pipeline to incorporate additional ROW needs, rerouting along Darlene Lane, addition of the Secondary Inlet over the Saddle Dam, and wetlands issues.
- Initiated a Noise Monitoring Plan in the Domenigoni Valley adjacent to gnatcatcher habitat and populated areas.
- Realigned the Lake Skinner equestrian trail to eliminate 5 stream crossings and their associated bridge structures. Moved the alignment away from a major archaeological site to reduce costs and to protect archaeological resources.
- Completed the rare plant and archaeological surveys on the revised Eastside Pipeline alignment. Initiated mitigation planning for changes in the Eastside Pipeline alignment and second reservoir inlet with the USF&WS and CDF&G, in coordination with the City of Hemet.

Multi-Species Habitat Reserve

Completed the agency staff review of the Multi-Species Reserve Policies. The regional administrators are now conducting the final review.

ENVIRONMENTAL MITIGATION (continued)

- Completed the draft long-term research and management plan and 5-year budget for the Multi-Species Reserve.
 Submitted it to MWD for review.
- Received approval from the Reserve Management Committee for required geotechnical investigations.
- Completed improvements to the Lake Skinner Road which provides site access to researchers and land managers.

Cultural Resources

- Established an ethnographic coordinating committee to manage the interview process for local Native American historical research.
- Established and implemented guidelines, through the Ethnographic Coordinating Committee, for managing the interview process for local Native American historical research.

HISTORICAL INVESTIGATIONS

GREENWOOD & ASSOCIATES

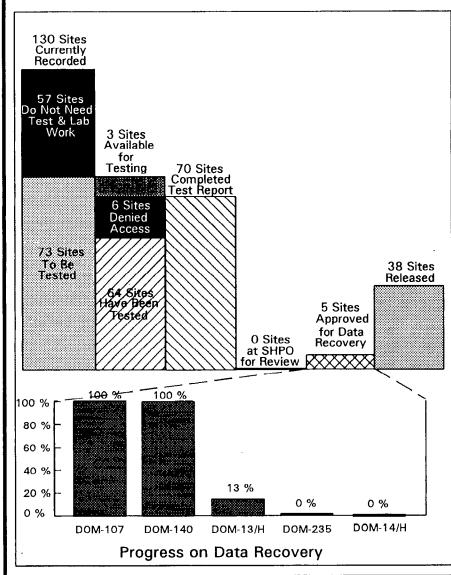
54 Sites Currently Recorded 13 Sites Do Not **Need Test** & Lab Work 5 Sites Remain to be Tested 41 Sites To Be Tested 5 Sites Completed Test Report 0 Sites 1 Site Approved 1 Site at SHPO for Data Released for Review Recovery

COMMENTS

- Historical Overview & Research Implications have been submitted to MWD for eventual SHPO review.
- Submitted final report on Field Office to MWD, for subsequent submission to SHPO.
- Historic Testing and Evaluation Report No. 2 has been submitted to MWD for eventual SHPO review.
- Historic Testing and Evaluation Report No. 3 is in final preparation for submittal to MWD.
- Historical combines have been moved to Gateway Farms for security.
- Architectural evaluations are being conducted on the structures at Parcel 197.

PREHISTORIC INVESTIGATIONS

INFOTEC RESEARCH, INC.



COMMENTS

- Received Final Approval Historic Properties Treatment Plan from SHPO on 21 September.
- Received comments on Cultural Resources Survey Report Number 2 from SHPO on 27 September.
- Submitted Prehistoric Archaeological Testing and Evaluation Report Number 6 (covering 25 sites) to MWD for review and comment.
- Submitted Draft Cultural Resources Survey Report Number 6 to MWD for review and comment.
- Submitted Draft Cultural Resources Survey Report Number
 13 (Eastside Pipeline) to MWD for review and comment.
- Submitted Draft Letter Report Cultural Resources Survey Report Number 7 (Newport Road) to MWD for review and comment.
- Submitted Draft Letter Report Cultural Resources Survey Report Number 8 (Lake Skinner Equestrian Trail) to MWD for review and comment.
- Completed Phase 3 Data Recovery Excavations in Borrow Area 2.
- Began Phase 3 Data Recovery Excavations in Borrow Area 5.

PUBLIC AWARENESS AND RECREATION

Public Awareness

- Completed memo suggesting means to coordinate geotechnical studies and dam construction design with rough grading and access/circulation needs in the recreation areas.
- Completed graphics and agenda for Agricultural Sub-Group meeting to be held on August 12.
- Four helicopter tours were conducted by the Government Relations Branch for Assemblyman Joe Baca of the 62nd
 District (Chino Hills), commissioners and staff of the Department of Fish & Game, the Temple City Council, and
 Congressional staff members De Ferrari, Larry Eng, John Bradley, Dan Silver, and Brian Lowe.
- The Government Relations Branch made five presentations: to Southern California Edison employees, the Banning Rotary Club (50 in attendance), the Diamond Valley Mobile Home Park (75 in attendance), the Valley Christian Singles in Hemet (7 in attendance), and to the San Gorgonio Mineral Association in Banning (30 in attendance).
- The MWD Speakers Bureau made 5 presentations:

Temecula Rotary Club (60 in attendance)

Hemecinto High 12 Club (60 in attendance)

Plumbing, Heating, and Cooling Contractors (100 in attendance)

State Water Project Recreation Coordinating Council, Oroville (35 in attendance)

Temecula Sunrise Rotary Club (45 in attendance)

- Fifty-nine people visited the Domenigoni Valley Reservoir Information Office.
- In conjunction with Infotec, conducted an archaeological mini-tour at the reservoir site for 120 local summer students.
- Public Affairs conducted seven Domenigoni Valley Reservoir Project inspection trips for members of the following agencies:

Members of the Public Information Liaison Committee (PILC), Los Angeles Area

PILC members, San Diego Area

Water Commission, Downey Water Division

PUBLIC AWARENESS AND RECREATION (continued)

Member agencies: West Basin, Central Basin, Calleguas, City of San Fernando, and sub-agencies Member agencies: Beverly Hills, Three Valleys, Upper San Gabriel Valley, West Basin, Central Basin, and sub-agencies, Foothill MWD; MWD Orange County; Walnut Valley, Capistrano Valley, Carlsbad and Santa Margarita Water Districts

Cities of Long Beach, Los Angeles, Pasadena, and Torrance Cal American Water Company.

- Received 163 inquiries on the toll-free telephone line:
 - 31 resulted in the mailing of brochures
 - 23 were placed on the mailing list
 - 17 were resolved by providing specific project information

The number of callers responding to each category of recorded information was:

- Archaeology -9
- Construction 65
- Multi-Species Reserve -10
- Project Description 51
- Recreation -37
- The project video "The Flight to the Future" was aired on the following cable television stations during July, August and September: San Diego County, Chs. 37, 38; Thousand Oaks, Ch. 10; Wilmington, Lomita, San Pedro, Ch. 41; Glendora, Ch. 3; Long Beach, Ch. 25; Walnut/ West Covina, Community Television. The video was also distributed to 24 members of the Recreation Planning Work Group.
- Conducted the third Project Coordination Meeting on September 17, providing project updates for representatives of local and county agencies in Riverside.

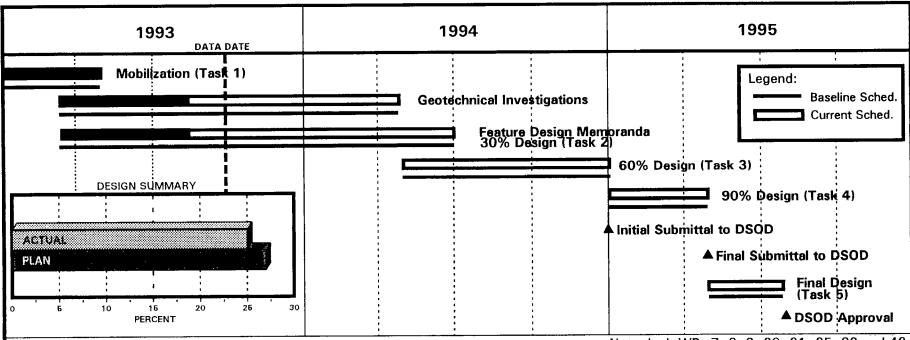
PUBLIC AWARENESS AND RECREATION (continued)

Recreation

- Completed analysis of alternative recreation plans and prepared a working plan for economic evaluation.
- Completed draft analyses of capital costs, operations and maintenance costs, and revenue projections for proposed facilities.
- Conducted the second Recreation Working Group workshop at Lake Skinner on September 18 to evaluate recreation working plans, development costs, operations costs, and revenue projections.
- Conducted a meeting of the Agricultural Sub-Group of the Recreation Working Group to evaluate the potential for agriculture on project lands.
- Met with the Reserve Management Committee to discuss their concerns regarding planned recreation uses in and around the reservoir.

DAM DESIGN

EBASCO SERVICES INC.



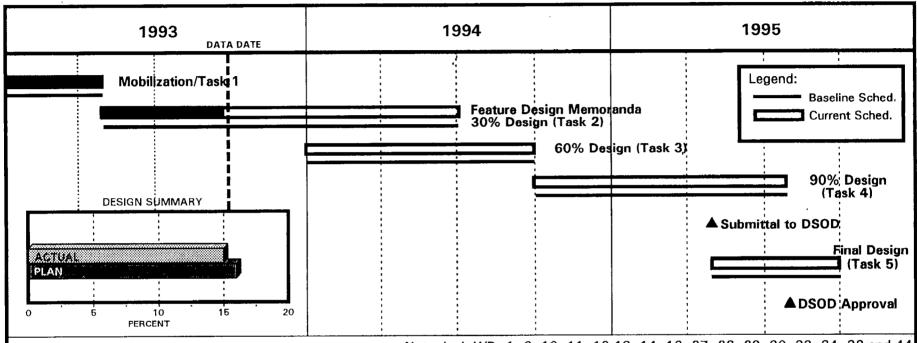
NOTES:

Note: incl. WPs 7, 8, 9, 20, 21, 25, 39 and 42

- Work on the dam design is generally 4-6 weeks behind schedule due to the original subcontracting delays for geotechnical investigations, their subsequent impact on the transfer of geotechnical information to the design engineers, and due to the impact of the additional effort expended to complete the Phase A Geotechnical Reports.
- Despite these problems, the design has progressed well towards selection of the dam configurations.
 A major test trench at the West Dam will be dug to confirm the results of the preliminary geological investigations. The Board of Consultants will meet again at the beginning of November to confirm the results.
- Phase A progress has allowed the Phase B geotechnical studies to be reduced to the extent that the design should be back on schedule by the end of January. Additional resources will have to be applied to assure this goal is met.

PUMP-GENERATING PLANTS & HYDRAULIC FEATURES DESIGN

EBASCO SERVICES, INC.

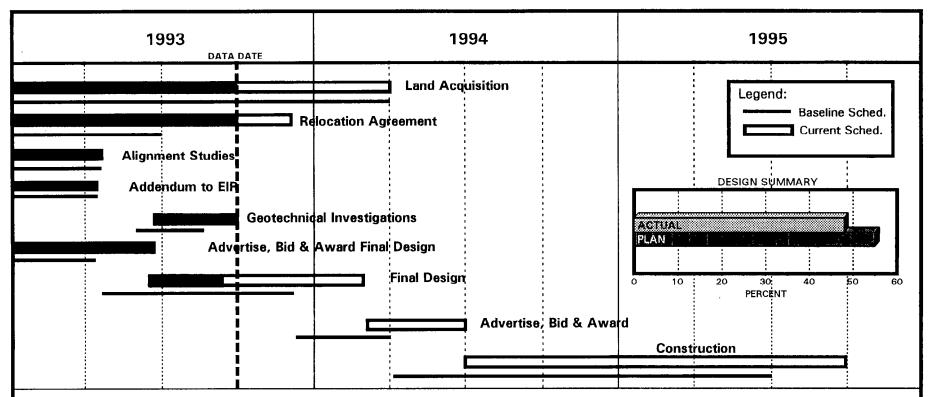


NOTES:

Note: incl. WPs 1, 6, 10, 11, 12 13, 14, 16, 27, 28, 29, 30, 33, 34, 38 and 44

- Most of the work is proceeding ahead of schedule.
- PG-1 is 1 week behind schedule. Upcoming decisions on the Forebay and PG-1 site locations will allow the geotechnical investigations to proceed and will provide necessary information to advance the design.
- G2 geotechnical work is pending site access.
- The Groundwater Monitoring program started 4 months late due to subcontracting delays. Revisions to this program will allow the plan to return to schedule by the end of January.
- The spillway design requirements have changed, necessitating a schedule revision.

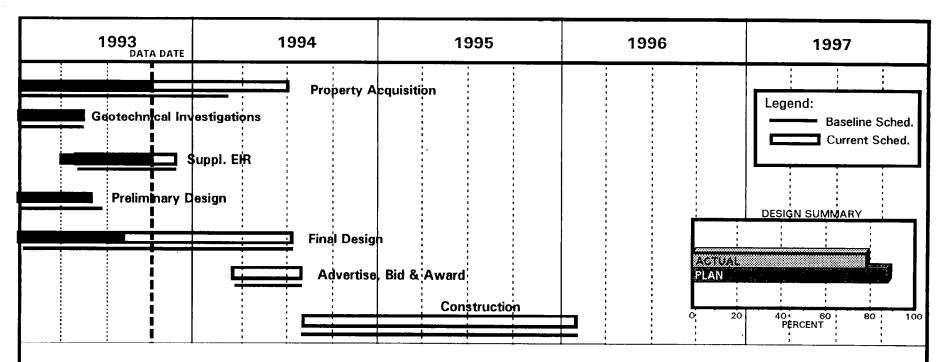
NEWPORT ROAD RELOCATION



NOTES:

- Metropolitan's Board has authorized the General Manager to enter into a Memorandum of Understanding (MOU)
 with Riverside County and the City of Hemet for the joint construction of Newport Road and Salt Creek
 Flood Control Channel improvements.
- Final design is three weeks behind schedule due to a slow start; the contractor expects to complete the design before the end of the year.
- Field geotechnical investigations are complete and lab testing of samples is approaching completion. Report writing for road facilities is in progress.
- Design will include a base bid for 2 lanes of roadway, with an optional bid for 2 additional lanes, consistent with the MOU agreements.

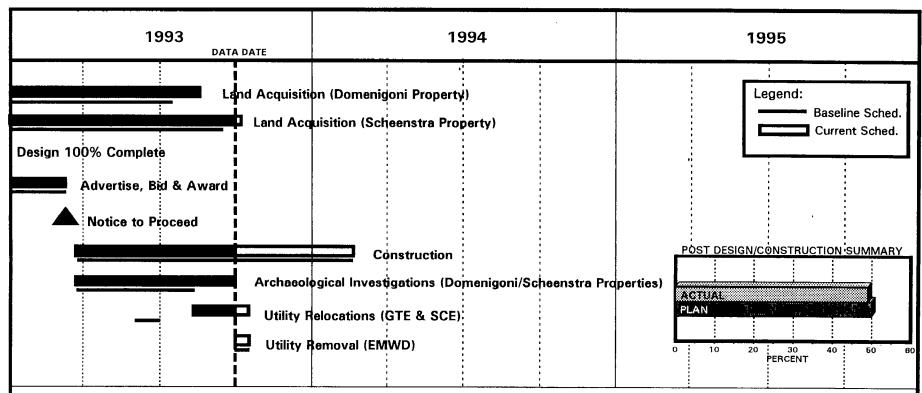
EASTSIDE PIPELINE



NOTES:

- Planned real estate acquisition dates through June 94 must be met to maintain the construction schedule.
- The Supplemental EIR is being prepared to address the alignment east of the canal, property acquisition needs, and addition of the Secondary Inlet. SEIR certification is scheduled for December 1993.

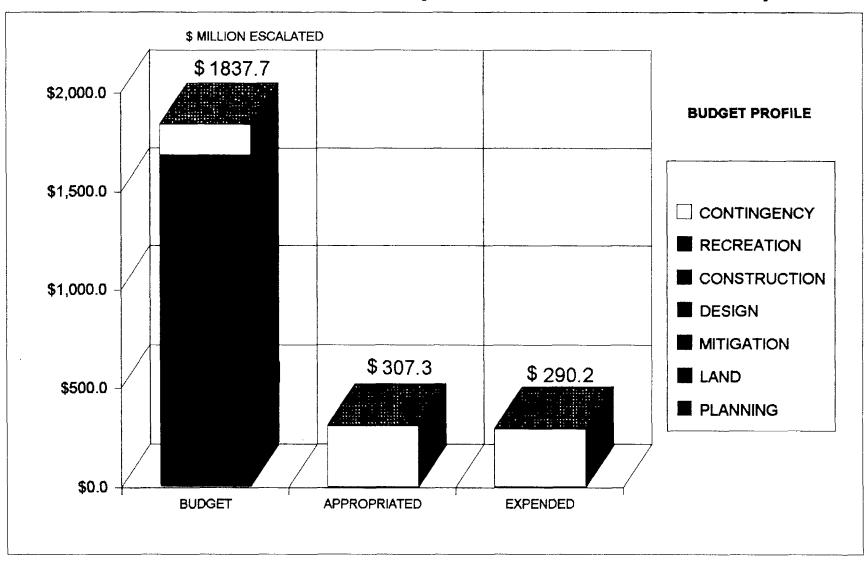
SAN DIEGO CANAL RELOCATION



NOTES:

- Construction is proceeding slightly behind schedule but with no impact to the completion date.
- The Scheenstra Dairy property vacation is scheduled to be completed by October 5, at which time the dairy will be relocated to a new site in Visalia. Canal construction is to take place at the former dairy site in mid-October.

FINANCIAL PROFILE (THRU SEPTEMBER 1993)



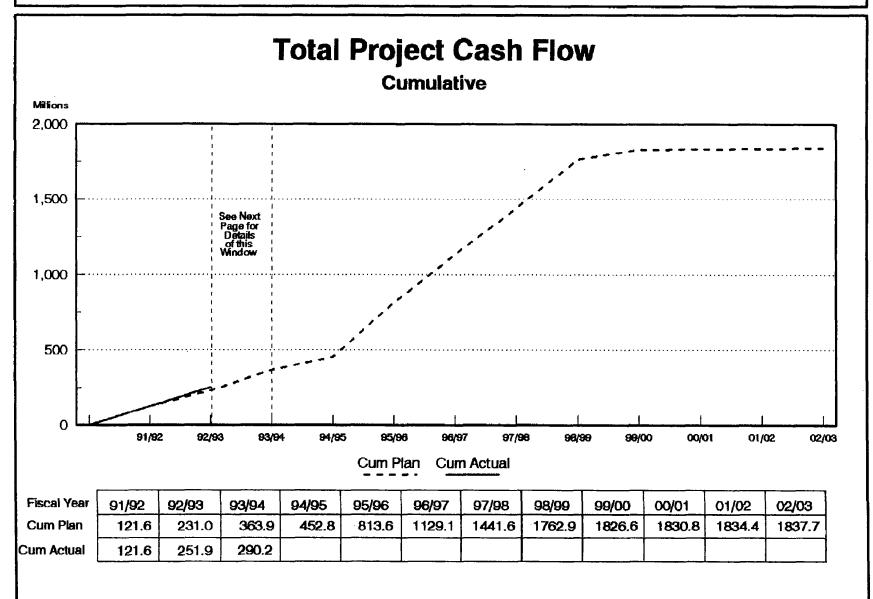
Note: An additional appropriation to fund remaining costs of land acquisition, design, and mitigation was approved by the Board of Directors on October 12.

DOMENIGONI VALLEY RESERVOIR PROJECT

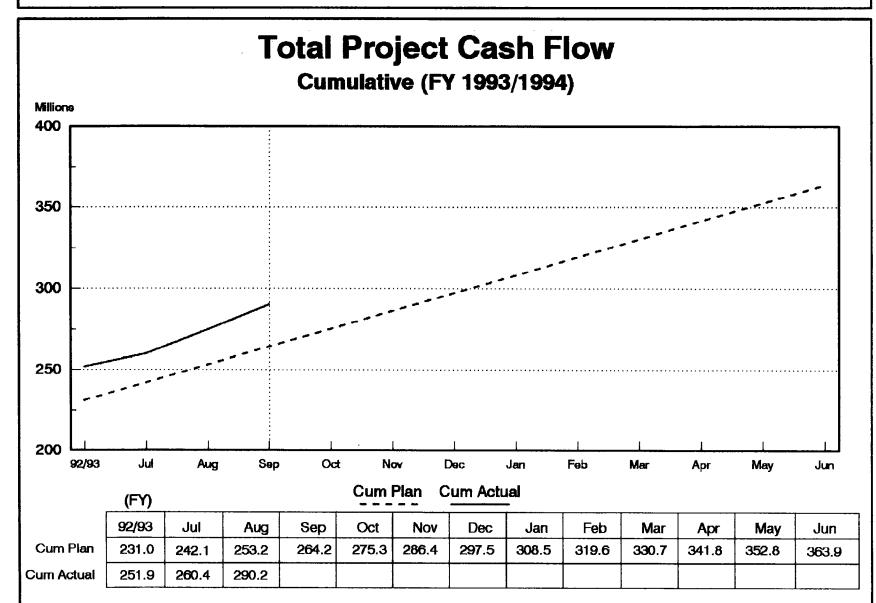
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QUARTERLY REPORT

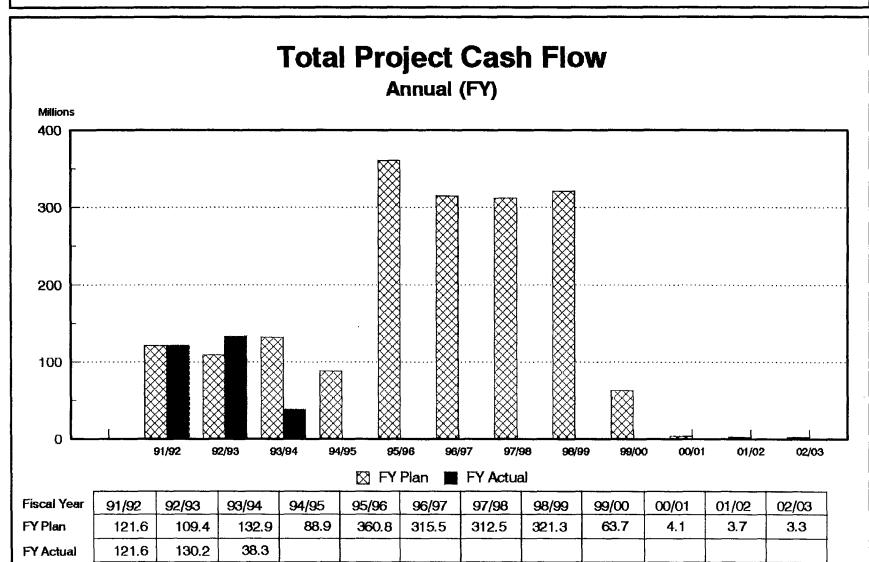
JULY - SEPTEMBER 1993



CSHFLOWI .DRW



Note: The cost variance (Plan vs. Actual) is attributable to the need to acquire more real estate than originally planned.

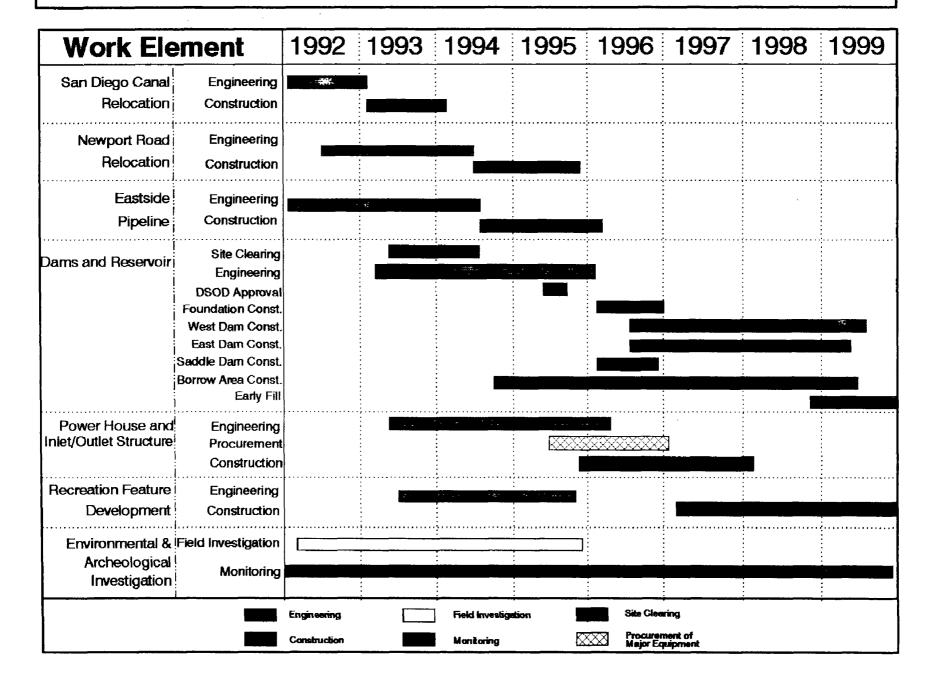


INCRFLOWDRW

DOMENIGONI VALLEY RESERVOIR PROJECT

QUARTERLY REPORT

JULY - SEPTEMBER 1993



MBE/WBE AND LOCAL PARTICIPATION

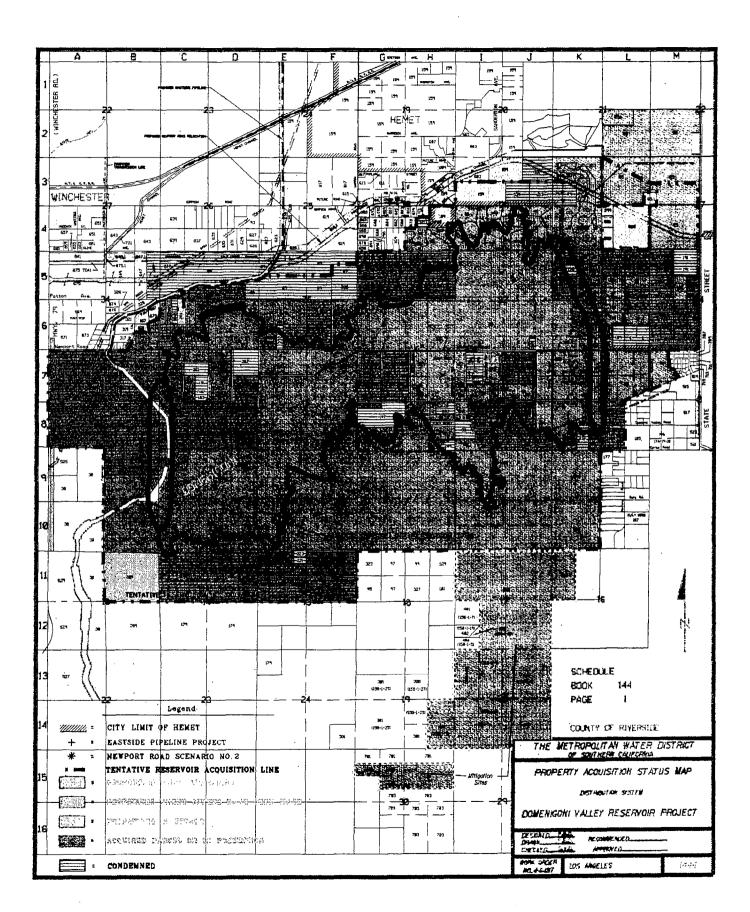
Project participants are committed to a strong MBE/WBE and minority affirmative action program. Targets have been
established contractually for some participants, and others are being strongly encouraged.

CURRENT MBE/WBE PARTICIPATION

Company	Metropolitan	Ebasco	Parsons
Act I		Χ	
Amvigor Engineering Services	X		
Fay Tech Services	X		X
Greenwood Associates	X		
Cordoba Corporation			X
American Caisson, Inc.		Χ	
BSI Consultants, Inc.		X	
CJ Drilling Supply		X	
CVS Wood Workings, Inc.		X	
Dean Ryan Consultants		Χ	
E. W. Moon Incorporated	1	Χ	· X
H2O to Go		Χ	;
LaMary & Associates		Χ	
Mitchell Snow, Inc.		Χ	
Pitcher Drilling		X	
PMI Co., Inc.		X	
San Diego Drilling		Χ	
Sunroad Kearny Mesa Ford		Χ	
Tri County Drilling		Χ	
Virgil Baker Company		X	

PERCENT FINANCIAL PARTICIPATION

Company	Cumulative Participation			
	MBE	WBE	Local	
Ebasco	10.6.0%	2.3%	0.7%	
Parsons	3.2%	3.0%	0.0%	
NBS/Lowry	52.0%	0.0%	0.0%	
Total	9.7%	2.4%	0.6%	



PROPERTY ACQUISITION STATUS (SEPTEMBER)

ISSUES AND POTENTIAL RESOLUTIONS

ISSUE

- Increased scope of work for Eastside Pipeline due to increase in permanent right-of-way acquisition and addition of the Secondary Inlet, requiring a Supplemental Environmental Impact Report (SEIR).
- Increased land acquisition costs will require an appropriations increase.
- Overall, geotechnical site investigation work is 1 month behind schedule due to delays in the award of drilling subcontracts.

 Site access delays are requiring the postponement of some activities from the initial Phase A work. The Domenigoni parcel and the East Dam south abutment are affected by these delays.

POTENTIAL RESOLUTION

Work on plans and specifications is continuing and is expected to be completed on schedule in November. Final right-of-way (ROW) acquisition is to take place after SEIR certification in late 1993. ROW acquisition by scheduled date (June 1994) is required to meet scheduled need dates.

Increased land acquisition costs are being managed within the present budget through use of contingency funds. A request for additional appropriations was approved by the Board of Directors on October 12.

Phase B tasks have been moved to Phase A, thus reducing Phase B scope. Phase B scope has been both compressed and further reduced based on Phase A results. Less productive drilling methods have been discontinued. The 1-month delay is expected to be recovered in the Phase B program such that no impact to design completion is forecast.

Selected Phase B activities are being accelerated or reduced to minimize schedule impacts. Access to Domenigoni property has allowed West Dam work to proceed. Access to the East Dam south abutment and 2 parcels in the north section of the footprint have been obtained.

GOALS FOR NEXT QUARTER

Design

<u>General</u>

- Complete inundation impact reports on two new school sites for the Menifee Union School District and prepare final responses to State and local questions.
- Incorporate the MWD 60% design review comments on the Temporary Visitor Center and issue the 90% design package for MWD review.
- Open Field Office bids and prepare a letter of recommendation to the Board.
- Approve the Baseline CPM schedule for Ebasco design work.

Dams

- Complete the Dam Alternative Studies and remaining dam precedent studies.
- Initiate the seepage, stress and stability analyses for the three dams.
- Begin detailed analysis of recommended core and foundation cutoff alternatives for the West Dam.
- Prepare the preferred alternatives Cross Section Reports for the West and East Dams.
- Prepare the Interim Cutoff Alternatives Report for the East Dam.
- Complete evaluation of subsurface soil conditions, and liquefaction conditions.
- Complete the review reports for RCC dam literature and alternative Saddle Dam types.

GOALS FOR NEXT QUARTER (continued)

- Complete the draft Saddle Dam foundation grouting report and core cutoff alternatives report.
- Prepare Seepage Analyses Report for the East and West Dam Alternatives.

Pump-Generating Plants and Hydraulic Facilities

Submit the following reports to MWD for review:

Draft Baseline Surface Water Hydrology

Draft Inlet/Outlet Tower Alternative Configuration and Location

Draft PG-1 Site Arrangement Study

Draft PG-1 Hydraulic Transient Study

Draft Groundwater Monitoring Report

Draft Forebay Configuration Report

PG-1 Major Equipment Contracting Study Report

PG-1 Major Equipment Contracting Study Report

Draft Location and Access Needs Study

PG-1 Site Selection Study

Draft G2 Unit Selection Alternative Study

G2 Variable Speed Report

Forebay Lining Alternatives Report

- Complete the evaluation of additional Forebay configurations.
- Complete the draft Clearing and Grubbing Feature Design Memorandum.
- Start groundwater sampling from existing wells.
- Select Forebay Lining Alternatives.

Field Geotechnical Investigation

- Mobilize additional rock core rigs for Dams, Reservoir Rim and Rock Borrow core borings to support Phase B
 geotechnical investigation program.
- Obtain access to East and West Dam remaining parcels. Complete the Phase B geotechnical investigations and prepare the draft Phase B Characterization Reports.
- Perform test blasts for Borrow Areas 2 and 5 to help determine the adequacy of this rock for the East Dam foundation.
- Commence deep trench excavation alongside the West Dam to further determine the adequacy of the foundation.
- Prepare the Phase B Interim Report for Borrow Areas 2 and 5.

Advance Relocations / Construction

Newport Road Relocation

- NBS/Lowry to complete the final design and issue for MWD review. Begin preparation of bid documents.
- Obtain approval by the MWD Board of Directors of MOU between the Riverside County, the City of Hemet, and Caltrans. Execute the document. Process an ECO to extend the construction schedule.
- BSI to complete the design of the Salt Creek Flood Control Channel, which will be used as the borrow pit for road construction.
- Initiate the process to take possession of Garrett property.
- Resolve interfaces between the San Diego Canal bridge and the Eastside Pipeline.

San Diego Canal Relocation

- Complete grading and backfill operations at the raised canal section south of the Newport Road Siphon.
- Begin hydromulching operations in the graded sections of the Newport Road Siphon.
- Complete backfill at the South Triple Reinforced Box Culvert.
- Begin grading operations for the slope paving east of the Spillway.
- Complete concrete patching and cleanup operations at the North Triple Reinforced Box Culvert.

Eastside Pipeline

- Complete the 90% final design documents and issue for MWD review.
- Award utility potholing contract to BSI Consultants, Inc. for completion of work by yearend.
- Issue a contract addendum to Harding Lawson Associates to provide for additional geotechnical investigations to support the Secondary Inlet addition and Darlene Lane alignment changes.
- Issue a memorandum from the Chief Engineer recommending exclusion of prestressed concrete pipe as an acceptable pipeline material.

Program Management

- Recommend a revised format for the Right-of-Way Committee meetings.
- Prepare agreements for the blimp photography contract and the aerial photography computerized rendering of the project site.

- Prepare and submit task orders for the second year of work.
- Prepare a draft contract and assist in negotiations of the landscape screening contract.
- Provide a review of procurements for the Phase B explorations.
- Review the contract for UC Riverside consultants to provide research on the Multi-Species Reserve.
- Initiate joint reviews for construction packaging for discussion with the Engineering Division.
- Initiate configuration control procedures and implement them as design concepts are determined.
- Incorporate a modification to the program schedule for the schedule improvements to the geotechnical investigations.

Mitigation

- Complete negotiations on the re-burial site with the local Native American Community and submit the proposal to the Board for approval.
- Complete the internal review of the Eastside Pipeline SEIR and distribute for public review.
- Obtain acceptance of the Eastside Pipeline mitigation plan from the USF&WS and the CDF&G.
- Complete negotiations with UC Riverside on the long-term research Master Agreement for conducting research on the Multi-Species Reserve.
- Complete recovery efforts on DOM-107 and submit the recovery report for internal review.

Submit the following Historic Archaeological Reports:

Draft Test and Evaluation Reports Nos. 3 and 4 to MWD for review.

Research Design Report resubmittal to MWD for review.

Final Test and Evaluation Report #1 to MWD for review and transmittal to SHPO.

Submit the following Prehistoric Archaeological Reports:

Survey reports Nos. 7 and 8 for review and comment by Metropolitan.

Draft Prehistoric Survey Reports Nos. 5, 6 and 13 for review and comment by Metropolitan.

Final Cultural Resources Survey Report Nos. 2 (San Diego Canal Realignment), 3 (Saddle Dam) 4 (High Water Service Road)

- Complete Data Recovery Excavations at Borrow Area 5 and submit clearance letter.
- Issue Final Fugitive Dust Control Plan to the South Coast Air Quality Management District.
- Compile data to complete the Third Quarter Mitigation Evaluation Reports.

Land Acquisition

- Continue to obtain parcels in the priority sequence identified by the field and reported on the Domenigoni Valley Parcel Status Report.
- Continue to work towards the goal of relocating residential property owners by the end of the year.
- Expedite appraisal of additional property required for the Eastside Pipeline alignment change, such that offers can be made promptly following approval of the SEIR.

Public Awareness

- Prepare a Spanish version of the project brochure.
- Complete the Domenigoni Valley Reservoir Fact Sheet.
- Print the environmental brochure.
- Plan ceremony for the San Diego Canal opening in February 1994.

Recreation

- Revise the recreation concept design following developments at the September Recreation Workshop. Formulate revised plan for the December workshop.
- Receive additional revenue forecasts from Foster & Associates on recreation concessions and facilities.
- Complete the economic evaluation of recreation alternatives to determine viability and potential for concessionaires.