



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

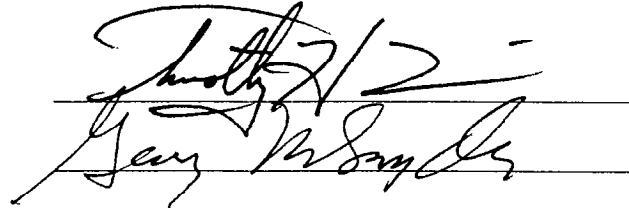
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August 1, 1997

**To:** Board of Directors (Engineering and Operations Committee--Information)

**From:** *for* General Manager

**Submitted by:** Chief Engineer



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Gary W. Sanders

**Subject:** Quarterly Project Status Report for the Eastside Reservoir Project - April through June 1997

## RECOMMENDATION

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For information only.

## EXECUTIVE SUMMARY

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The sixteenth quarterly Project Status Report for the Eastside Reservoir Project is provided as an Executive Summary, highlighting significant items of progress during the quarter ending June 1997 and the current cost and schedule status of the project. Project details are available in the monthly Status Reports.

A highlight of progress this quarter included a bid opening for the Pressure-Control Structure. Remaining contracts to be awarded are the Secondary Inlet, North Rim Remediation, and the Recreational facilities contracts.

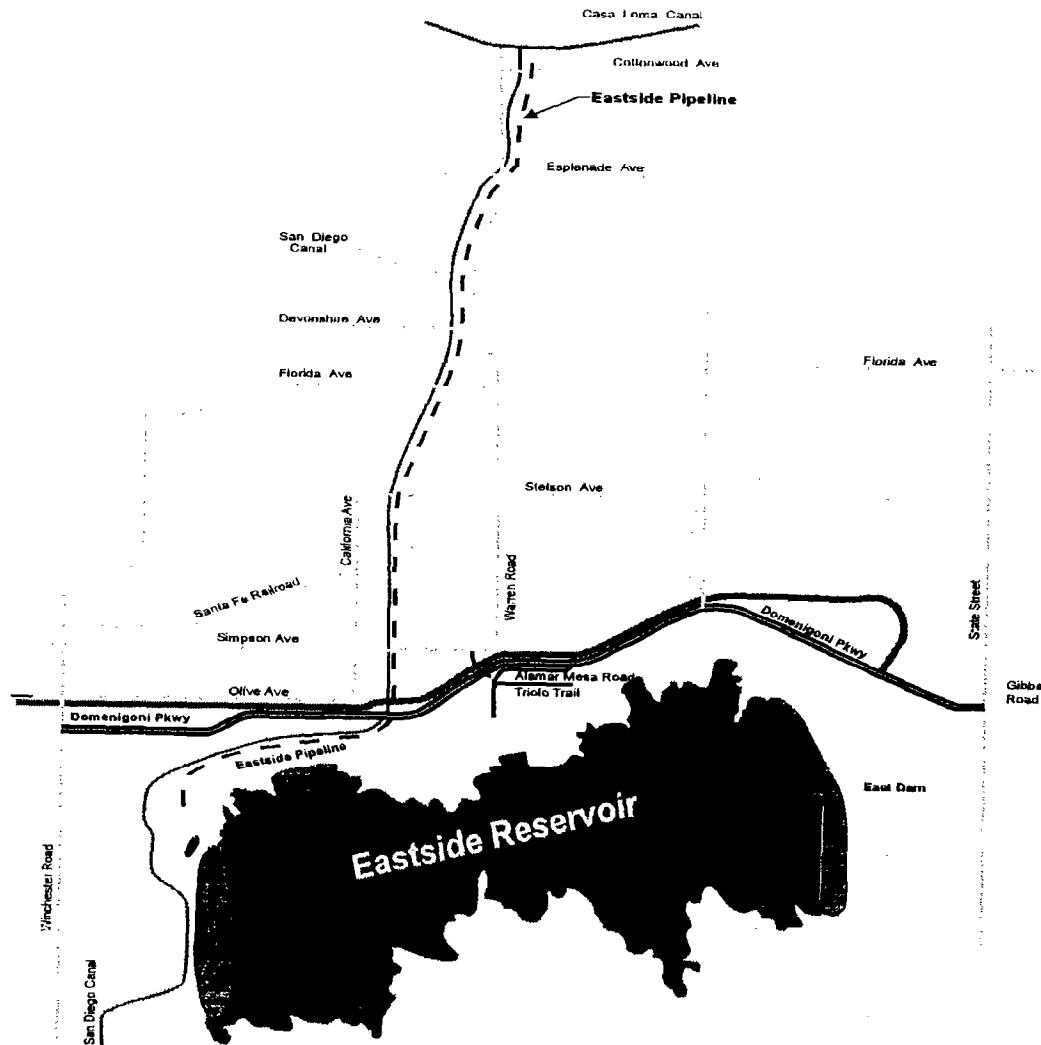
The West Dam, Saddle Dam, and Forebay contract with Atkinson-Washington-Zachry(AWZ) achieved 8 percent progress this quarter for a total of 43 percent completion. The East Dam contract with Kiewit-Granite achieved a 15 percent increase this quarter for a total of 34 percent completion. Work on the Kiewit-Granite contract is proceeding ahead of schedule. Planned completion for both of these contracts remains at August 1999. The P-1 Pressure Tunnel contract with AWZ achieved 21 percent progress this quarter for a total of 34 percent completion. The P-1 Pumping Plant contract with Advanco Constructors mobilized and achieved 4 percent progress for the quarter. The I/O Tower contract, with AWZ mobilized during the quarter, achieved 1 percent progress. Bids for the Pressure-Control Structure were

opened in April. Notice to proceed for this facility is expected to be issued at the end of the next quarter. Design of the Secondary Inlet continues with a projected 100 percent completion by September. Design for the North Rim Remediation is ongoing. The 60 percent design phase was completed this quarter, and 100 percent completion is scheduled in July. Advertising is scheduled for the end of August.



# *Eastside Reservoir Project*

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



*Quarterly  
Status  
Report*

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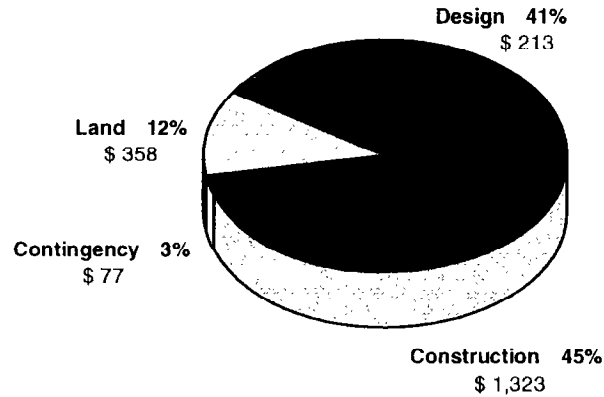
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*Executive  
Summary*

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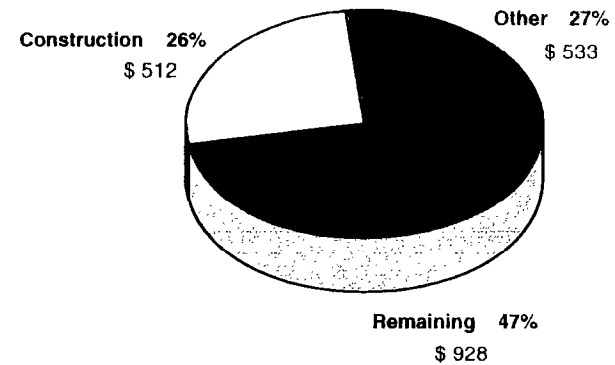
## Project Budget

(in millions)

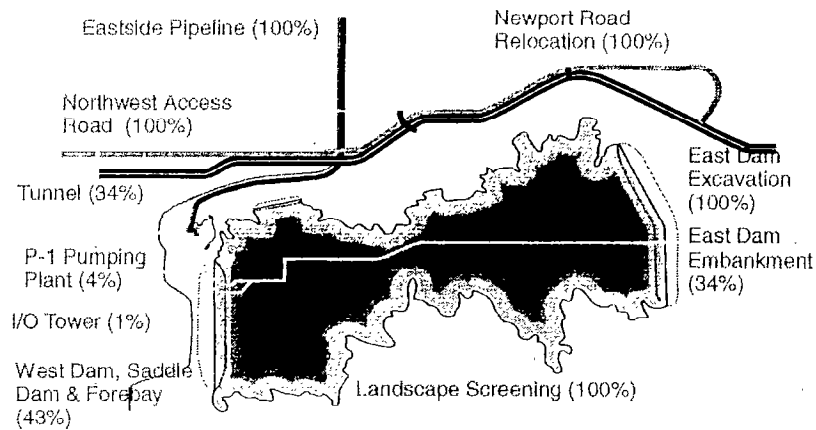


## Project Expenditures

(in millions)

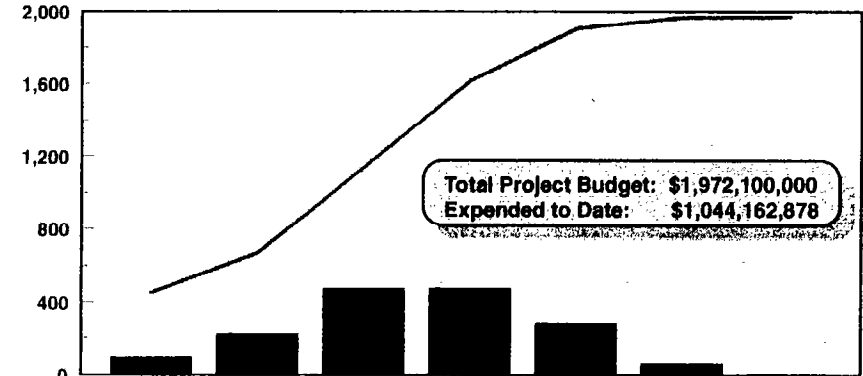


## Progress Summary



## Project Cash Flow

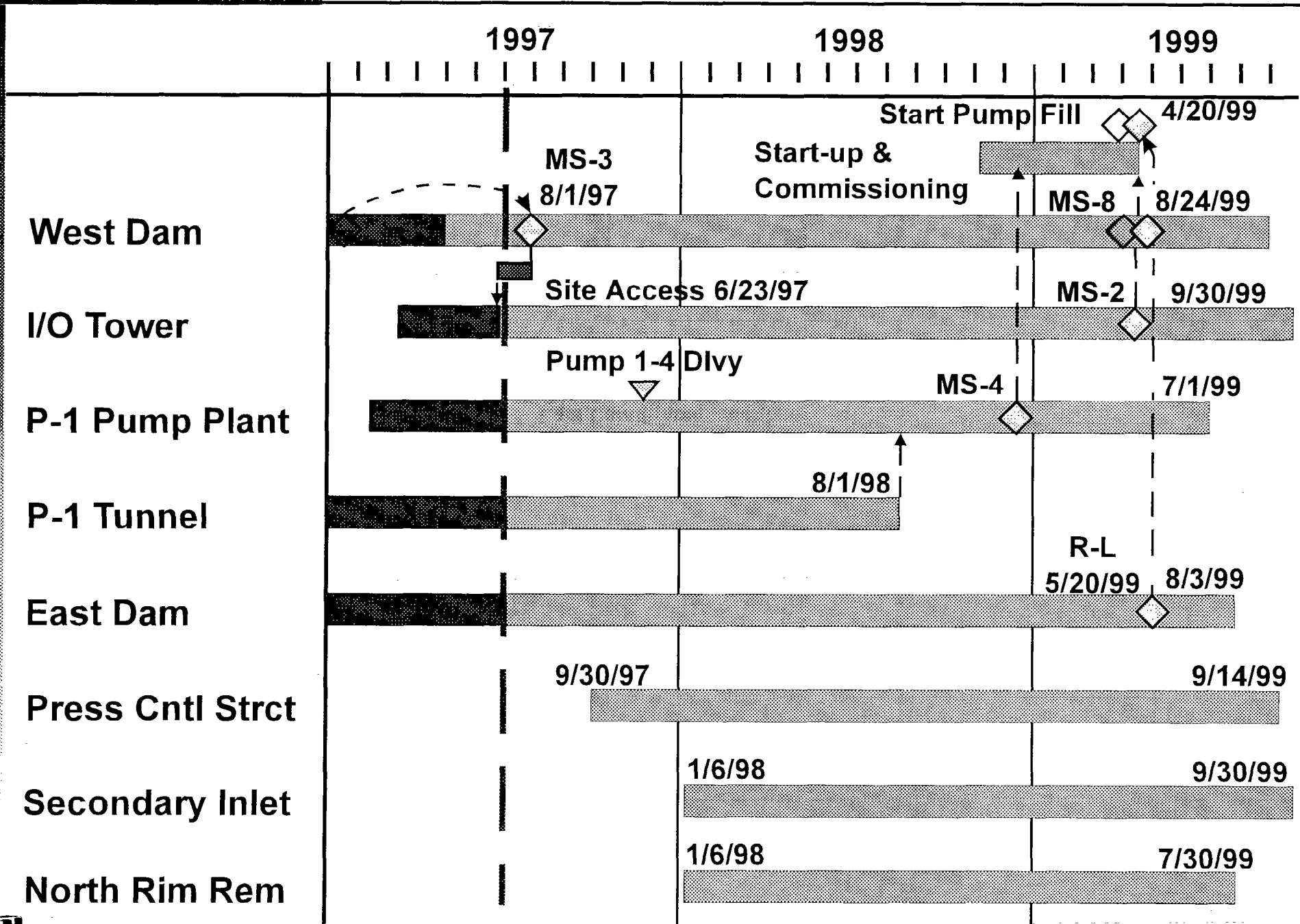
\$ Millions



	Actual - Jun 95	Actual - Jun 96	96/97	97/98	98/99	99/00	00/01
Increment	93.2	217.6	475.0	476.0	284.0	62.7	2.2
Cumulative	454.6	672.2	1,147.2	1,623.2	1,907.2	1,969.9	1,972.1

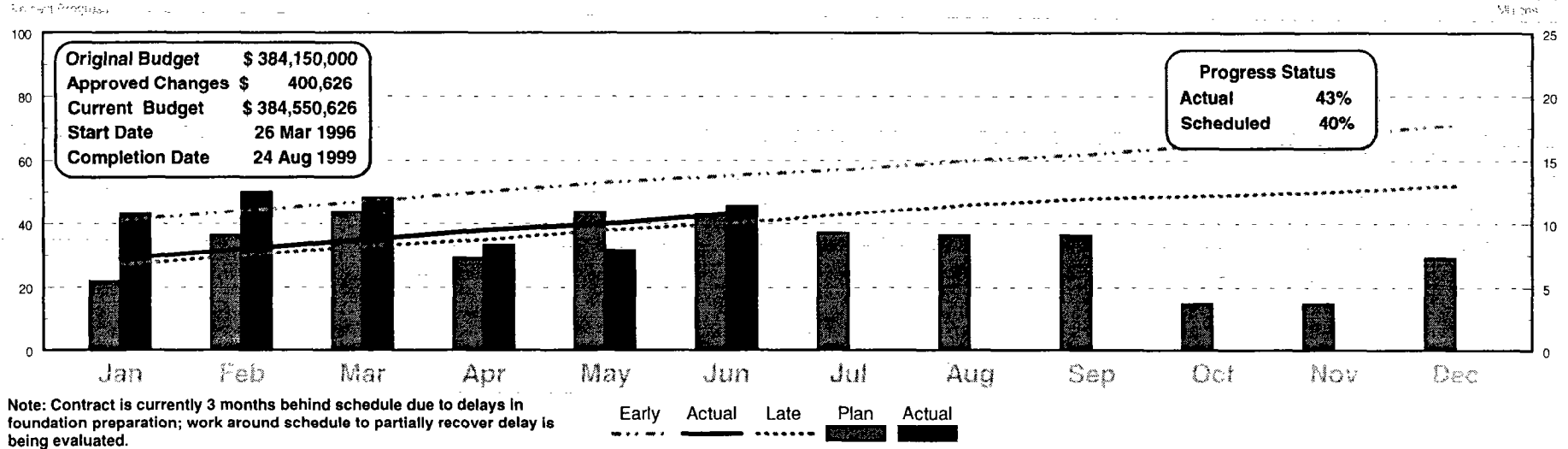


# Construction Schedule



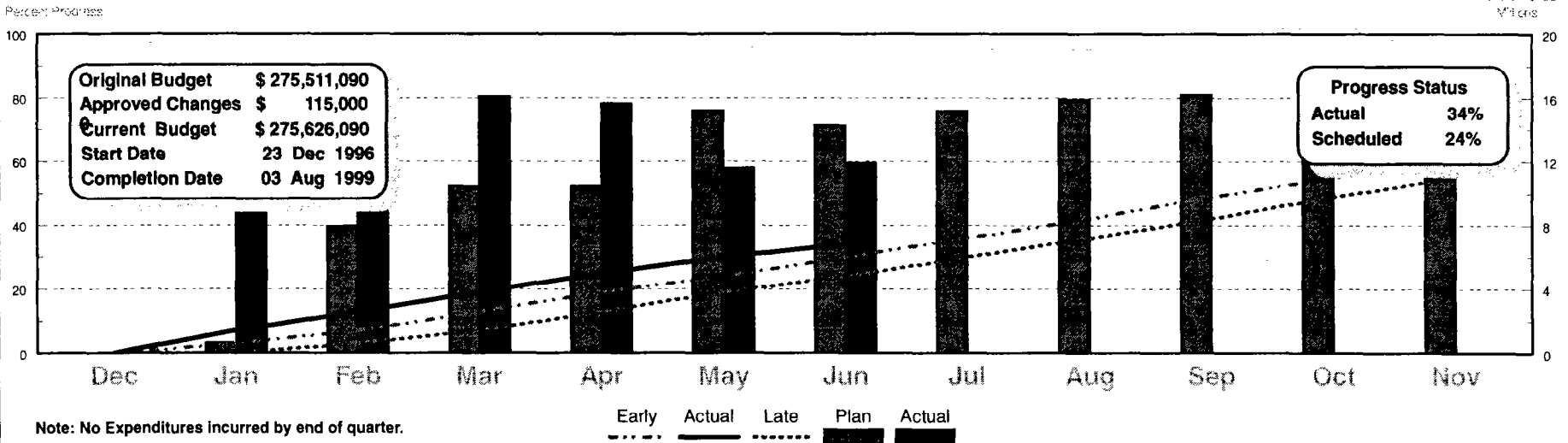
## West Dam, Saddle Dam, and Forebay

Atkinson-Washington-Zachry, a Joint Venture  
Progress Curve



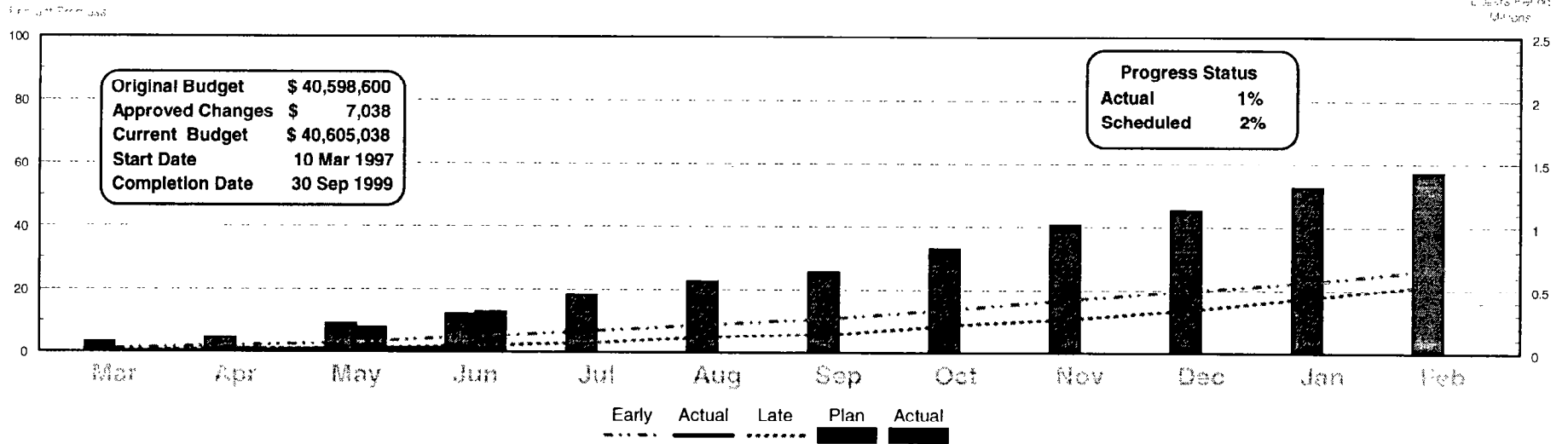
## East Dam Embankment

Kiewit-Granite, a Joint Venture  
Progress Curve



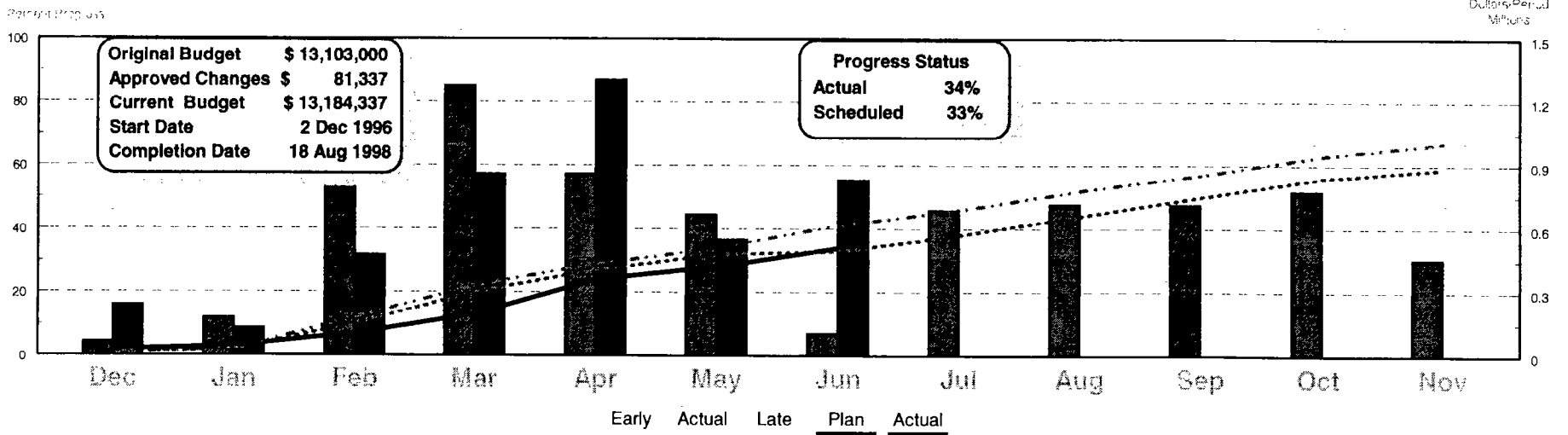
## I/O Tower

Atkinson-Washington-Zachry, a Joint Venture  
Progress Curve



## P-1 Pressure Tunnel

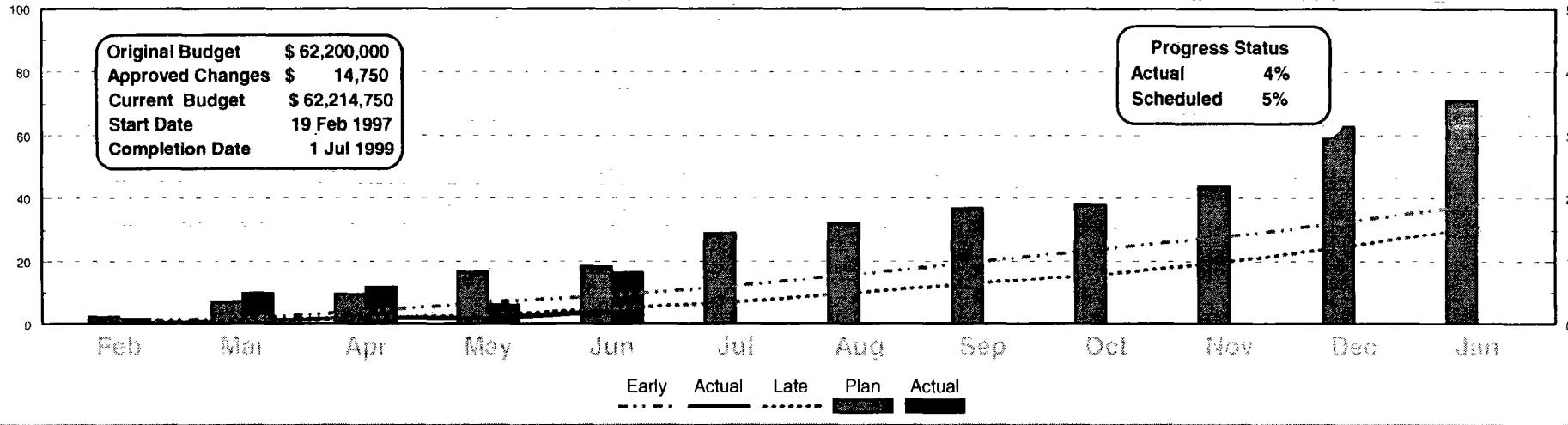
Atkinson-Washington-Zachry, a Joint Venture  
Progress Curve



## P-1 Pumping Plant

Advanco Constructors  
Progress Curve

Cost & Revenue  
Miles



## Procurement

### Pump & Motor Deliveries

Nissho Iwai American Corp.

1996

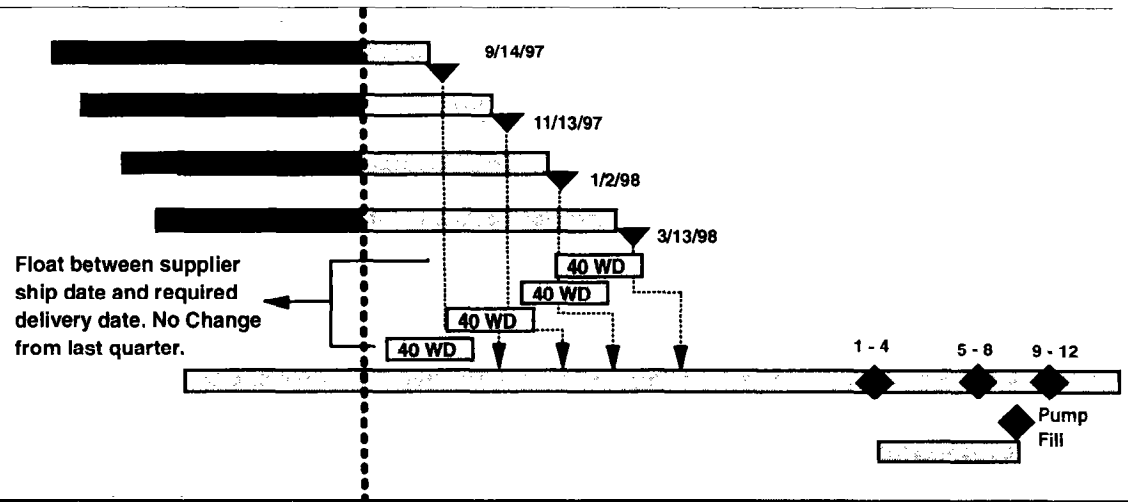
1997

1998

1999

- Fab & Ship #1**  
(Contract Delivery)
- Fab & Ship #2 & 3**  
(Contract Delivery)
- Fab & Ship #4 & 5**  
(Contract Delivery)
- Fab & Ship #6**  
(Contract Delivery)

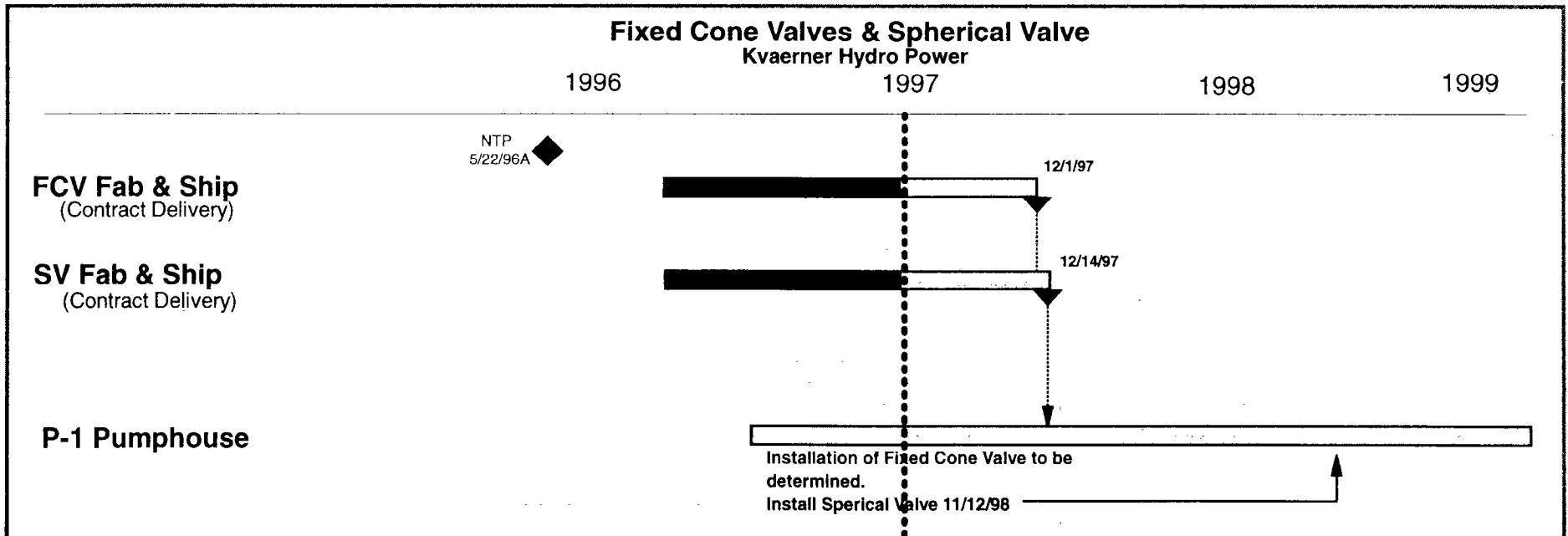
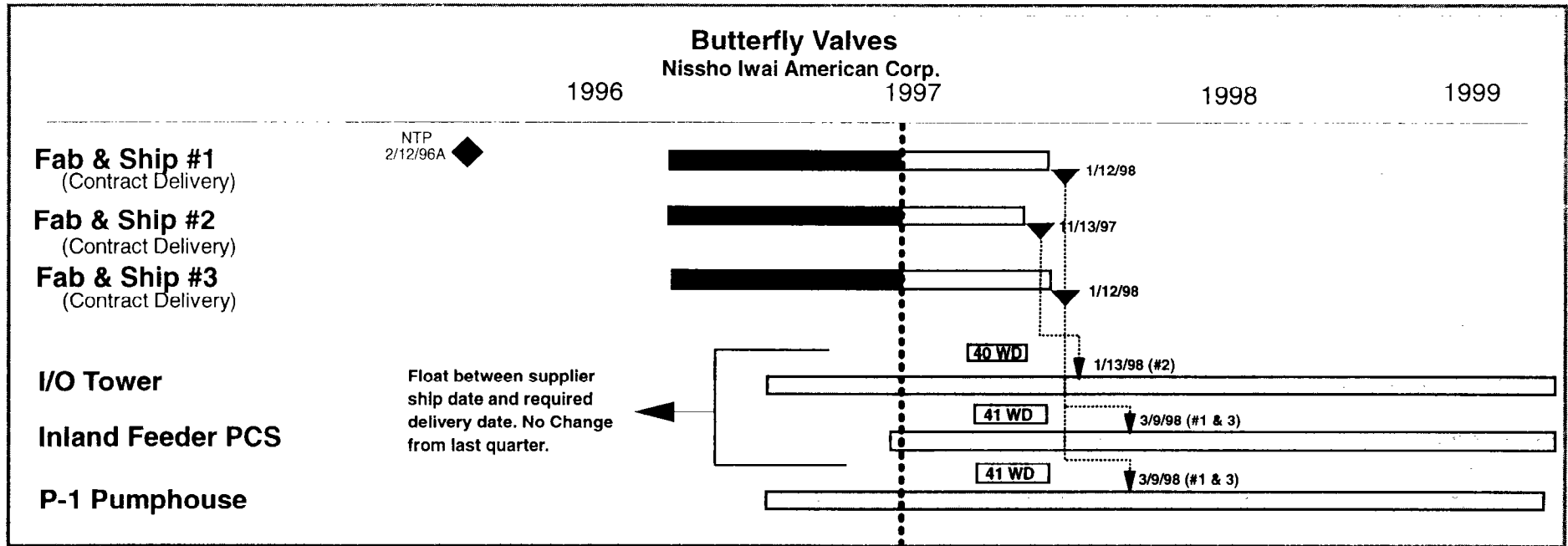
NTP  
2/12/96A



P-1 Pumphouse

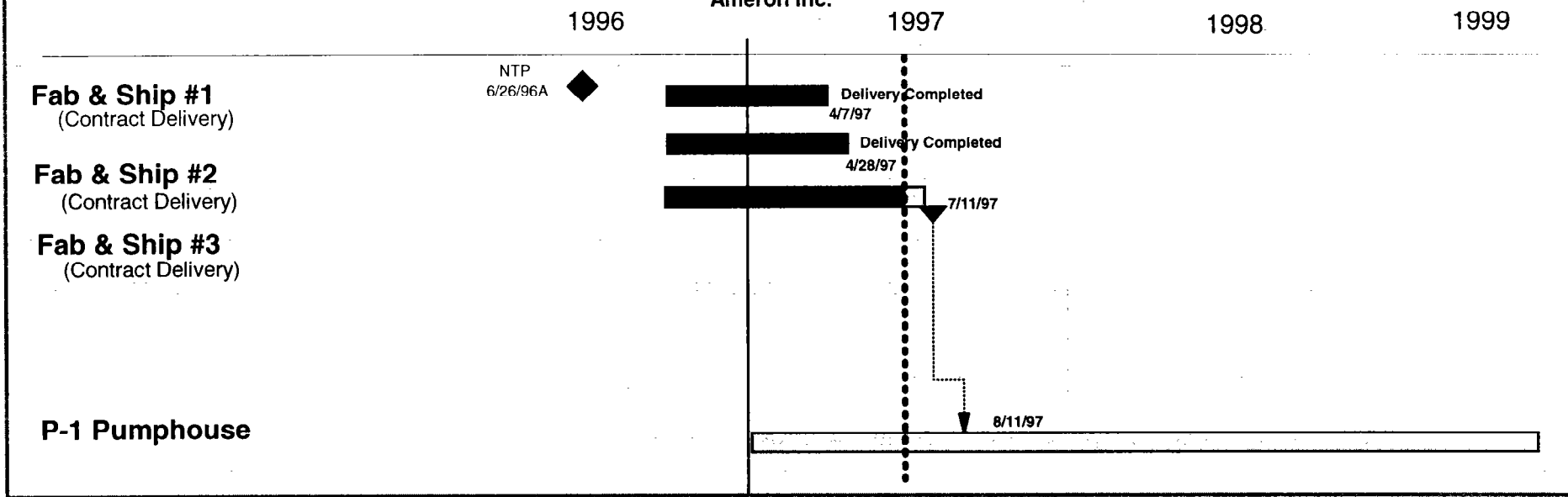
Start-up & Commission





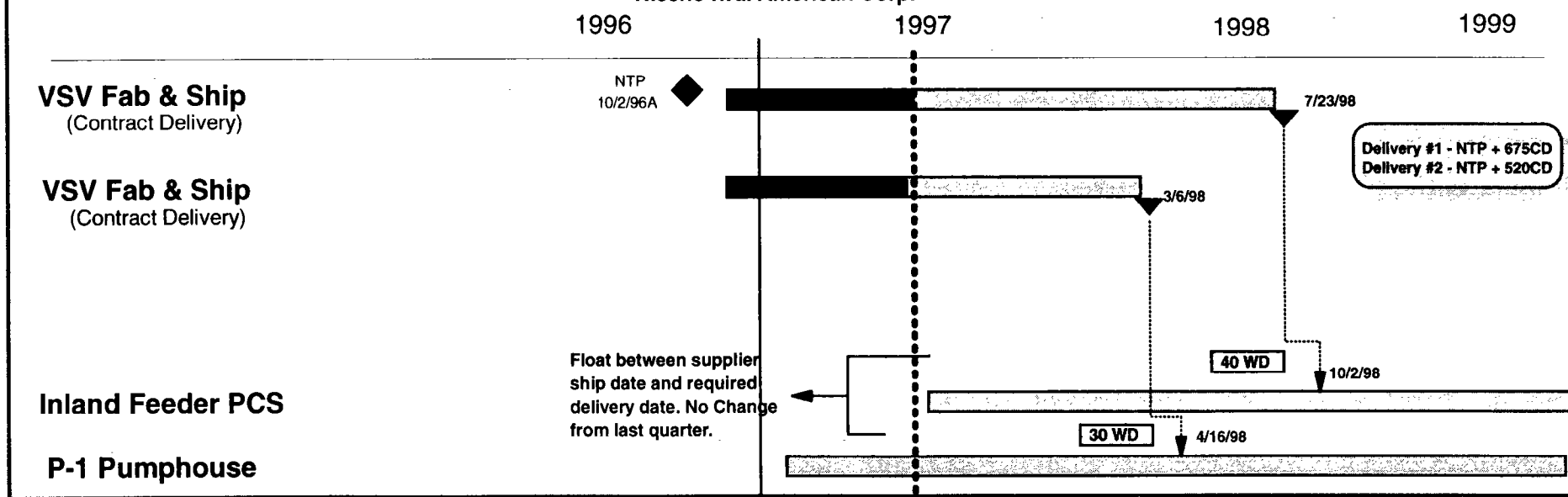
Fabricated Steel Pipe and Fittings for P-1 Yard Piping

Ameron Inc.



Electric Motor Operated Vertical Sleeve Valves

Nissho Iwai American Corp.



## Upcoming Construction Packages

DESCRIPTION	ADVERTISE	CONSTR. NTP	COMMENTS
Inland Feeder Pressure Control Structure	02/12/97	09/30/97	Bid opening on 04/15/97.
Secondary Inlet	09/02/97	01/05/98	100% design to complete on 09/01/97.
Signal Spillway	n/a	n/a	100% design to complete on 08/11/97. Construction to be added to an existing contract
Recreation	08/04/97	05/04/98	100 scale conceptual drawings are complete. Preliminary work scopes for each package are nearing completion. Will present the physical, business, and management plans to the Board next quarter, after which advertisement and selection of design and concession firms will commence.
North Rim Remediation	08/28/97	12/30/97	100% design to complete on 07/31/97.

## Completed Construction Contracts

(Finish Dates)

Vegetation Clearing (2 Contracts) 3/31/93    ✕    San Diego Canal Relocation 3/18/94    ✕    Field Office 12/7/94  
 Temporary Visitor Center 6/29/95    ✕    High Water Road 3/31/95    ✕    San Diego Canal Demolition 4/24/95  
 West Dam Foundation & Excavation 1/26/96    ✕    East Newport Road Relocation 6/7/96  
 Landscape Screening 6/16/96    ✕    East Dam Excavation 7/8/96    ✕    Northwest Access Road 2/28/97  
 Eastside Pipeline 4/21/97



## MBE / WBE Participation

CONTRACT	% Participation Attained		% CONTRACT FUNDS EXPENDED	COMMENTS
	WBE *	MBE *		
West Dam, Saddle Dam & Forebay	59.1%	32.1%	41.0%	Additional MBE work (rebar and instrumentation) towards end of contract.
P-1 Pressure Tunnel	36.2%	56.1%	36.0%	
East Dam Embankment	20.3%	11.9%	34.0%	
P-1 Pumphouse	0.5%	0.4%	3.8%	Project NTP on 2/14/97, minimal payments to date due to recent start of construction.
I/O Tower	0.0%	0.0%	7.0%	Project NTP on 3/7/97, no payments yet.
Landscape Screening @ Domenigoni Parkway	67.3%	48.2%	93.0%	
Southern California Associates (CM)	62.5%	82.2%	54.5%	

\* Subcontractor Percent of Goal Complete

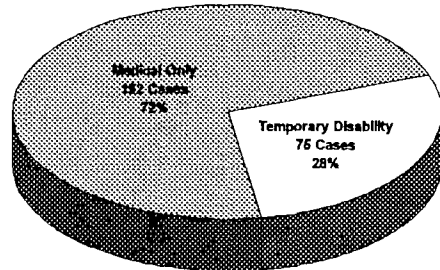
## Community Relations

	NUMBER		CALLERS
	ATTENDEES	OF EVENTS	
Public Affairs			Toll-free Telephone Line 450
Inspection Trips	—	19	Brochures Requested 14
Tours / Events	770	29	Added To Mailing List 9
Speakers Bureau	1110	30	Construction Information 149
Government Relations			Project Description 88
Presentations	130	3	Construction Program 77
Helicopter Tours	—	4	Recreation 78
Visitor Center	12,490	—	Specific Info Requests 32
			Archaeology 9
			Multi-Species Reserve 9



### Total Claims

through June 30, 1997



FIRST AID STATION THIS QUARTER  
 First Aid Cases: 87  
 Industrial Case Referrals: 34  
 Follow-up Visits: 139  
 Non-Industrial Cases: 49  
 Post Accident Drug Screens: 30

CASES  
 Total: 267  
 Open: 96  
 Closed: 171

### Claims Costs Through June 1997

	Mar. 1997	Jun. 1997
TOTAL PAID CLOSED CASES	\$165,277	\$188,962
AVERAGE PER CASE	\$1,281	\$1,105 *
TOTAL PAID OPEN CASES	\$605,243	\$881,419 **
AVERAGE PER CASE	\$7,205	\$9,181

\* California Workers' Compensation Institute 4/23/96 report indicates an average cost for closed claims was \$4835 in 1993.

\*\* Ongoing cases for medical disability.

### Total Incident Rates

