

Capital Improvement Project Sheet

Project:	Well 12 Pump Replacement
Project No:	MW-0238
Cost Center	Ord Community Water

Project Description
 Replacement of Well 12 motor, pump, column, and shaft assembly and the installation of a transducer to monitor water levels. Change pump to water lubed bearings.
 Develop and implement well rehabilitation program

Project Justification
 The Well 12 motor, pump, column and shaft assembly have reached the end of their useful life. In addition, the well has experienced frequent bacterial problems that will require mechanical rehabilitation such as swabbing and airlifting and possibly chemical rehabilitation depending on especiation.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY21/22	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		60,000						60,000
Internal Services		10,000						10,000
Construction								
External Services	0	320,000						320,000
Internal Services	0	10,000						10,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	400,000	0	0	0	0	0	400,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY21/22	OUT YEARS	Total
01 - Marina Water		100%	0	400,000	0	0	0	0	0	400,000
03 - Ft Ord Water		0%	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	400,000	0	0	0	0	0	400,000

Estimated Project Expenditures for FY 18/19:			Budget	Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"				
Project: Well 12 Pump Replacement				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 10,000	
	External Services: (Attorneys, Consultants)		\$ 60,000	
Total Design & Planning Cost:			\$ 70,000	
2- Construction & Installation Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 10,000	Project/Construction Management
	External Services: (Contractors)		\$ 320,000	Construction Contract(Labor/Material)
Total Construction & Installation Costs:			\$ 330,000	
Property / Easement Acquisition: NA				

Capital Improvement Project Sheet

Project:	Imjin Parkway Pipeline, Reservation Rd to Abrams Drive
Project No:	OW-0193
Cost Center	Ord Community Water

Project Description
 This project entails the construction of approximately 2,800-LF of 12-inch PVC potable water pipeline in Imjin Parkway to improve connectivity within the B-Zone.

Project Justification
 This project is sequenced to coincide with the City of Marina Project to widen Imjin Parkway.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	40,000							40,000
Internal Services	11,000							11,000
Design								
External Services		20,000						20,000
Internal Services		31,000						31,000
Construction								
External Services			780,000					780,000
Internal Services			20,000					20,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	51,000	51,000	800,000	0	0	0	0	902,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		100%	51,000	51,000	800,000	0	0	0	0	902,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			51,000	51,000	800,000	0	0	0	0	902,000

Estimated Project Expenditures for FY 18/19:			Budget	Special Notes
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"				
Project: Imjin Parkway Pipeline, Reservation Rd to Abrams				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 31,000	Design in-house
	External Services: (Attorneys, Consultants)		\$ 20,000	Roadway Designer contract
Total Design & Planning Cost:			\$ 51,000	
2- Construction & Installation Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ -	
	External Services: (Contractors)		\$ -	
Total Construction & Installation Costs:			\$ -	
Property / Easement Acquisition: in ROW				

Capital Improvement Project Sheet

Project:	Gigling Transmission from D Booster to JM Blvd
Project No:	OW-0201
Cost Center	Ord Community Water

Project Description
 This project entails the construction of approximately 1,800-LF of 12-inch PVC potable water pipeline to replace an existing 12-inch AC pipeline installed by the Army. The section of pipeline being installed will be within the Gigling Road alignment from the D-BPS and extending to the west of the General Jim Moore Boulevard intersection. The work is sequenced with FORA's widening of the road.

Project Justification
 This project was originally identified in the Ord Community Water Distribution Master Plan (2004, RBF). Staff identified the need to increase the scope of the project based on the existing condition and installation failings of the facility. The condition and installation failings were discovered in 2011 through a significant water outage event. Staff has re-estimated the cost of this CIP based on the new scope.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		185,000						185,000
Internal Services		20,000						20,000
Construction								
External Services				380,000				380,000
Internal Services				20,000				20,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	205,000	0	400,000	0	0	0	605,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		100%	0	205,000	0	400,000	0	0	0	605,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	205,000	0	400,000	0	0	0	605,000

Estimated Project Expenditures for FY 18/19:				Budget	Special Notes				
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"									
Project: Gigling Transmission from D Booster to JM Blvd									
1- Design & Planning Costs:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 20,000	Design w/ Seasides Developer				
	External Services: (Attorneys, Consultants)			\$ 185,000					
Total Design & Planning Cost:				\$ 205,000					
2- Construction & Installation Costs:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ -					
	External Services: (Contractors)			\$ -					
Total Construction & Installation Costs:				\$ -					
Property / Easement Acquisition: ROW									

Capital Improvement Project Sheet

Project:	South Boundary Road Pipeline
Project No:	OW-00202
Cost Center	Ord Community Water

Project Description
 This project entails the construction of approximately 5,600-LF of 16-inch and 12-inch potable water pipeline in South Boundary Road to serve Del Rey Oaks and Monterey.

Project Justification
 This project is sequenced to coincide with the FORA project to widen South Boundary Road.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		200,000						200,000
Internal Services		5,000						5,000
Construction								
External Services			1,270,000					1,270,000
Internal Services			30,000					30,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	205,000	1,300,000	0	0	0	0	1,505,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		100%	0	205,000	1,300,000	0	0	0	0	1,505,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	205,000	1,300,000	0	0	0	0	1,505,000

Estimated Project Expenditures for FY 18/19:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: South Boundary Road Pipeline				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 5,000	Coordiante contracts
	External Services: (Attorneys, Consultants)		\$ 200,000	Contract with roadway designer
Total Design & Planning Cost:			\$ 205,000	
2- Construction & Installation Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			
	External Services: (Contractors)			
Total Construction & Installation Costs:			\$ -	
Property / Easement Acquisition: FORA ROW				

Capital Improvement Project Sheet

Project:	Inter-Garrison Road Pipeline Up-Sizing
Project No:	OW-0206
Cost Center	Ord Community Water

Project Description
 This project entails the construction of approximately 1700-LF of 18-inch potable water pipeline in InterGarrison Road between Abrahms Drive and East Garrison to replace the existing 12-inch main. This will allow the District to meet commercial fire flows in East Garrison prior to building a B-Zone reservoir.

Project Justification
 The East Garrison Developer has completed construction of the Phase 2 infrastructure and is building homes in the area. Commercial development may occur within the next 1-2 years.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	45,000							45,000
Internal Services	5,000							5,000
Construction								
External Services		585,000						585,000
Internal Services		15,000						15,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	50,000	600,000	0	0	0	0	0	650,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		100%	50,000	600,000	0	0	0	0	0	650,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			50,000	600,000	0	0	0	0	0	650,000

Estimated Project Expenditures for FY 18/19:			Budget	Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"				
Project: Inter-Garrison Road Pipeline Up-sizing				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ -	Manage contract
	External Services: (Attorneys, Consultants)		\$ -	Design
Total Design & Planning Cost:			\$ -	
2- Construction & Installation Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 15,000	Const. Mgt
	External Services: (Contractors)		\$ 585,000	Construction
Total Construction & Installation Costs:			\$ 600,000	
Property / Easement Acquisition: In ROW				

Capital Improvement Project Sheet

Project:	Ord Village LS & Force Main Improvements
Project Number:	OS-0147
Cost Center:	Ord Community Sewer

Project Description
 This project includes constructing a new force main and renovating the lift station.

Project Justification:
 The existing lift station & force main has broken causing spills and several point repairs.
 The existing pumps were replaced with Flygt pumps in 2016.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	28,000	40,000						68,000
Internal Services	2,000	4,000						6,000
Construction								
External Services		640,000	0					640,000
Internal Services		6,000	0					6,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	30,000	690,000	0	0	0	0	0	720,000

Project Funding / Cost Centers	G L Code	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
02 - Marina Sewer		0%	0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	30,000	690,000	0	0	0	0	0	720,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			30,000	690,000	0	0	0	0	0	720,000

Estimated Project Expenditures for FY 18/19:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: Ord Village LS & Force Main Improvements				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 4,000	Coordiante contracts
	External Services: (Attorneys, Consultants)		\$ 40,000	
Total Design & Planning Cost:			\$ 44,000	
2- Construction & Installation Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 6,000	Project/Construction Management
	External Services: (Contractors)		\$ 640,000	Construction Contract(Labor/Material)
Total Construction & Installation Costs:			\$ 646,000	
Property / Easement Acquisition:				

Capital Improvement Project Sheet

Project:	Imjin LS & Force Main Improvements - Phase I
Project Number:	OS-0205
Cost Center:	Ord Community Sewer

Project Description
 The first phase of this project includes constructing another wetwell, installing two Flygt pumps with all accessories and appurtenances and space to add a third pump. The second Phase will be to install the third pump and replace the forcemain in conjunction with the Imjin Road widening project.

Project Justification:
 The existing lift station and forcemain can't handle all the anticipated wastewater flows from East Garrison, UCMBEST, Marina Airport, Existing Marina lift Station as was stated in the Ord Community Wastewater Master Plan; the project will be split into two phases and is necessary to accommodate near to long term future development

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	45,000	40,000						85,000
Internal Services	5,000	4,000						9,000
Construction								
External Services		596,000						596,000
Internal Services		10,000						10,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	50,000	650,000	0	0	0	0	0	700,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	50,000	650,000	0	0	0	0	0	700,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			50,000	650,000	0	0	0	0	0	700,000

Estimated Project Expenditures for FY 18/19:		Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"			
Project: Imjin LS & Force Main Improvements - Phase I			
1- Design & Planning Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)	\$	4,000	Master plan integration, scope, conceptual design
External Services: (Attorneys, Consultants)	\$	40,000	commencing design/ plans preparation
Total Design & Planning Cost:	\$	44,000	
2- Construction & Installation Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)	\$	10,000	Project/Construction Management
External Services: (Contractors)	\$	596,000	Construction Contract(Labor/Material)
Total Construction & Installation Costs:	\$	606,000	
Property / Easement Acquisition:			

Capital Improvement Project Sheet

Project:	Hatten, Booker, Neeson LS Improvements
Project Number:	OS-0152
Cost Center:	Ord Community Sewer

Project Description
 Replacement of Hatten, Booker and Neeson wastewater lift stations.
 Hatten and Neeson Lift Stations will be replaced in 2018/19. Booker will be addressed in later years.

Project Justification:
 The existing lift stations are reaching the end of their service life. Capacity increases are not required.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		50,000					30,000	80,000
Internal Services		5,000					3,000	8,000
Construction								
External Services		460,000					362,000	822,000
Internal Services		10,000					5,000	15,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	525,000	0	0	0	0	400,000	925,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	0	525,000	0	0	0	0	400,000	925,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	525,000	0	0	0	0	400,000	925,000

Estimated Project Expenditures for FY 18/19:		Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"			
Project: Hatten, Booker, Neeson LS Improvements			
1- Design & Planning Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)	\$	5,000	Design review and permitting
External Services: (Attorneys, Consultants)	\$	50,000	Design Plans & Specs
Total Design & Planning Cost:	\$	55,000	
2- Construction & Installation Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)	\$	10,000	Project/Construction Management/Inspection
External Services: (Contractors)	\$	460,000	Construction Contract(Labor/Material)
Total Construction & Installation Costs:	\$	470,000	
Property / Easement Acquisition: NA			

Capital Improvement Project

Project:	A1 & A2 Zone Tanks & B/C Booster Station
Project Number:	GW-0112
Cost Center:	Ord Community Water; Marina Water

Project Description
 Two A-Zone storage tanks with a total usable storage capacity of 5.2 Million Gallons, B-Zone and C-Zone Booster Pump Station, and associated piping and facilities.
 The project location is currently being negotiated with CSUMB at the time of preparing this document. At least one Tank will be placed at or near CSUMB main campus.

Project Justification
 The District has minimal "A" Zone storage capacity. The A1/A2 Zone Tanks are to provide operational, fire, and emergency water storage for Zone A in the Ord Community and Central Marina.
 The B and C booster pumps will pump water from Zone A to Zones B and C. The facilities currently serving these functions are over sixty years old and are approaching the end of their useful life.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services		125,000						125,000
Internal Services		14,000						14,000
Design								
External Services		250,000	30,000	30,000				310,000
Internal Services		25,000	5,000	10,000				40,000
Construction								
External Services		3,200,000	3,200,000	3,300,000				9,700,000
Internal Services		30,000	30,000	30,000				90,000
Property Easement / Acquisitions								0
Property rights have been paid for through a settlement agreement with CSUMB								
Other Project Costs								0
Estimated Cost By Fiscal Year	0	3,644,000	3,265,000	3,370,000	0	0	0	10,279,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		32%	0	1,166,080	1,044,800	1,078,400	0	0	0	3,289,280
02 - Marina Sewer		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		68%	0	2,477,920	2,220,200	2,291,600	0	0	0	6,989,720
04 - Ft Ord Sewer		0%	0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	3,644,000	3,265,000	3,370,000	0	0	0	10,279,000

1 Budget Estimates are based on a specific project site location at the N/W corner of Intergarrison Rd & Sixth Avenue, additional Site Preparation, Environmental Studies & Piping costs maybe incurred if a different site is selected. In addition, it's assumed that the tank construction material will be Steel, a prestressed concrete tank will entail a 33% increase in the initial capital costs

Estimated Project Expenditures for FY 18/19:			Budget		Special Notes					
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"										
Project: Corporation Yard Demolition and Rehab										
1- Design Planning Costs:										
	Internal Services: MCWD Staff Time (Eng. O&M, Fi		\$ -	\$ 39,000	Civil Design & Permitting					
	External Services: (Attorney, Consultants)		\$ -	\$ 375,000	Survey & Mapping, CEQA & Civil Design					
Total Design and Planning Cost:			\$ -	\$ 414,000						
2- Construction & Installation Costs:										
	Internal Services: MCWD Staff Time (Eng. O&M, Fi		\$ -	\$ 30,000	Construction Award, Management & Oversight					
	External Services: (Contractors)		\$ -	\$ 3,200,000	Construction Contract (Equipment, Materials & Labor)					
Total Construction and Installation Cost			\$ -	\$ 3,230,000						
Property / Easement Acquisition		CSUMB								

Capital Improvement Project

Project:	Corporation Yard Demolition and Rehab
Project Number:	WD - 0106
Cost Center:	Water District Wide

Project Description
 This project includes demolishing 2 buildings, installing a storage building and remodeling the Ord office for technology and work space.

Project Justification
 Equipment stored outside exposed to the elements deteriorates and rusts long before the useful life

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services	4,000							4,000
Design								
External Services		50,000		40,000	265,000			355,000
Internal Services	6,000	10,000		10,000	25,000			51,000
Construction								
External Services	25,000	450,000		440,000	2,670,000		2,000,000	5,585,000
Internal Services	15,000	10,000		10,000	40,000			75,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	50,000	520,000	0	500,000	3,000,000	0	2,000,000	6,070,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
01 - Marina Water		25%	12,500	130,000	0	125,000	750,000	0	500,000	1,517,500
02 - Marina Sewer		7%	3,500	36,400	0	35,000	210,000	0	140,000	424,900
03 - Ft Ord Water		54%	27,000	280,800	0	270,000	1,620,000	0	1,080,000	3,277,800
04 - Ft Ord Sewer		14%	7,000	72,800	0	70,000	420,000	0	280,000	849,800
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			50,000	520,000	0	500,000	6,040,000	0	2,000,000	6,070,000

Estimated Project Expenditures for FY 18/19:			Budget		Special Notes					
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"										
Project: Corporation Yard Demolition and Rehab										
1- Design Planning Costs:										
	Internal Services: MCWD Staff Time (Eng. O&M, Fi		\$ 10,000	\$ 10,000	Design					
	External Services: (Attorney, Consultants)		\$ -	\$ 50,000	Architectural Design and Permitting					
Total Design and Planning Cost:			\$ 10,000	\$ 60,000						
2- Construction & Installation Costs:										
	Internal Services: MCWD Staff Time (Eng. O&M, Fi		\$ 15,000	\$ 10,000	Construction Award, Management & Oversight					
	External Services: (Contractors)		\$ 25,000	\$ 450,000	Construction (Equipment, Materials & Labor)					
Total Construction and Installation Cost			\$ 40,000	\$ 460,000						
Property / Easement Acquisition					None					

Capital Improvement Project Sheet

Project:	Recycled Urban Water Augmentation Project - Transmission Main
Project No:	RW-0156
Cost Center:	Recycled Water

Project Description
 This project is for the Recycled Water Transmission Main between the MRWPCA treatment facility and the D/E Reservoir Site south of Normandy on the Former Fort Ord. The project scope includes the design and construction of approximately 43,000-LF of 16-inch to 24-inch pipeline, a 2-MG storage tank termed the Blackhorse Reservoir.

Project Justification
 The construction needs to be completed in order to implement Recycled Water as a water source to meet the needs of MCWDs' customers and to augment the current groundwater supply source for FORA. The pipeline will also convey recycled water for indirect potable reuse in the adjudicated Seaside Basin.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	55,979							55,979
Internal Services	6,000							6,000
Design								
External Services	304,310							304,310
Internal Services	40,001							40,001
Construction								
External Services	9,868,765	17,000,000						26,868,765
Internal Services	90,413	364,000						454,413
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	10,365,468	17,364,000	0	0	0	0	0	27,729,468

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
05 - Recycled Water		100%	10,365,468	17,364,000	0	0	0	0	0	27,729,468
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			10,365,468	17,364,000	0	0	0	0	0	27,729,468

Estimated Project Expenditures for FY 18/19:		Budget	Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"			
Project: Recycled Trunk Main and Booster, MRWPCA to Normandy			
1- Design & Planning Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ -	Design Review/coordination
External Services: (Attorneys, Consultants)		\$ -	Design updates-possible rerouting.
Total Design & Planning Cost:		\$ -	
2- Construction & Installation Costs:			
Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 364,000	Permitting, Construction Award, Coordination & Oversight
External Services: (Contractors)		\$ 17,000,000	Construction (Equipment, Materials and Labor), Const. Management & Environmental
Total Construction & Installation Costs:		\$ 17,364,000	
Property / Easement Acquisition:		Pending CSUMB	

Capital Improvement Project Sheet

Project:	Recycled Urban Water Augmentation Project - Distribution System
Project No:	RW-0174
Cost Center:	Recycled Water

Project Description
 This project is for completing the Recycled Water distribution laterals off of the transmission main at Coe Ave., Ninth Ave, Abrams Dr., Imjin Rd., Reservation Rd. Carmel Ave., and Beach Rd. To tie in existing irrigation systems ready for recycled water.

Project Justification
 The design and construction needs to be completed in order to implement Recycled Water as a water source to meet the needs of MCWDs' customers and to augment the current groundwater supply source for FORA.

PROJECT COSTS:	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	20,000							20,000
Internal Services	10,000							10,000
Design								
External Services	100,000	280,000	20,000					400,000
Internal Services	10,000	20,000	5,000					35,000
Construction								
External Services			10,797,428					10,797,428
Internal Services			177,155					177,155
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	140,000	300,000	10,999,583	0	0	0	0	11,439,583

Project Funding / Cost Centers	G L CODE	% Cost Splits	FY 17/18	FY 18/19	FY19/20	FY20/21	FY21/22	FY22/23	OUT YEARS	Total
05 - Recycled Water		100%	140,000	300,000	10,999,583	0	0	0	0	11,439,583
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			140,000	300,000	10,999,583	0	0	0	0	11,439,583

Estimated Project Expenditures for FY 18/19:				Budget	Special Notes	0	0
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"							
Project: Recycled Urban Water Augmentation Project - Distribution System							
1- Design & Planning Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ 20,000	Design Review/coordination		
External Services: (Attorneys, Consultants)				\$ 280,000	Complete Design		
Total Design & Planning Cost:				\$ 300,000			
2- Construction & Installation Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ -	Construction Award, Management & Oversight		
External Services: (Contractors)				\$ -	Construction (Equipment, Materials and Labor), Const. Management & Environmental		
Total Construction & Installation Costs:				\$ -			
Property / Easement Acquisition:				Yet to be determined, pending negotiations.			