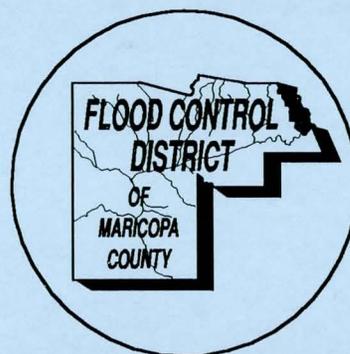


FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

FOR

FISCAL YEARS 1996 TO 2000



Adopted September 6, 1995

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

Don Stapley, District 2

Betsey Bayless, District 3

Tom Rawles, Chair, District 1

Ed King, District 4

Mary Rose Garrido Wilcox, District 5

Flood Control Advisory Board

John E. Miller, Jr., Member

Dr. William LoPiano, Vice Chair

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Melvin Martin, Member

Paul Cherrington, P.E., Salt River Project, Ex Officio Member

James Matteson, P.E., City of Phoenix, Ex Officio Member

Principal Staff

D. E. Sagramoso, P.E., Interim Chief Engineer and General Manager

S. L. Smith, Jr., P.E., Deputy Chief Engineer/Planning & Project Management Division Manager

Evaluation Committee: D. R. Johnson, Manager, Regulatory Division
D. W. Meinhart, AICP, Flood Control Planner
T. D. Johnson, P.E., Manager, Construction & Maintenance Division
R. G. Perreault, Manager, Planning Branch
E. A. Raleigh, P.E., Manager, Engineering Division

Prepared by: D. W. Meinhart, AICP
B. E. Miller, AICP
D. A. Williams, AICP
D. M. Sanders
Planning & Project Management

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AGENDA FORM**

Contract/Lease for NEW RENEWAL AMENDMENT CANCELLATION

LOW ORG. NO. 6900 DEPARTMENT: Flood Control District CONTROL NUMBER: FCD- 9555
 ENCUMBRANCE NO. 296026 AGENCY: CONTROL NUMBER: PW-787

1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION: It is requested that the Board of Directors approve the Flood Control District's FY 95/96-99/00 5-Year Capital Improvement Program which is based on a tax rate of \$0.3332 for FY 95/96, and Office of Management and Budget guidance and revenue projections for FY 96/97-99/00. The CIP for FY 97/98-99/00 has been increased cumulatively by a factor of +4.8% per year to allow for increased costs for design, rights-of-way, and construction.

The 5-year CIP (copy attached) includes projected expenditures of \$145,928,000, exclusive of force account and indirect charges, and will be funded primarily through the flood control tax. Approximately \$19,565,000 of this total will be paid through reimbursements from cost-sharing partners.

2. Compliance with Maricopa County Procurement Code

N/A
 article paragraph

David A. Brzozny
 Procurement Officer

SOLE SOURCE JUSTIFICATION:

3. CONTINUED FROM MEETING OF _____
DISCUSSED IN MEETING OF _____

4. THIS DEPARTMENT WILL CAUSE PUBLICATION
 CLERK OF THE BOARD TO CAUSE PUBLICATION

5. MOTION: It is moved that the Flood Control District of Maricopa County Board of Directors ...approve the Flood Control District's FY 95/96-99/00 5-Year Capital Improvement Program which is based on a tax rate of \$0.3332 for FY 95/96, and the Office of Management and Budget guidance and revenue information for FY 96/97-99/00. The proposed 5-Year CIP includes projected expenditures of \$145,928,000 exclusive of force account and indirect charges, with approximately \$19,565,000 of this total to be paid through reimbursements from cost share partners.

6. FINANCIAL: Expenditure Revenue Budgeted Contingency Budgeted Amendment Transfer Grant or Other

\$ 95-96 28,500,000 991 *Sule* 8-14-95
 TOTAL FUND FINANCIAL OFFICER DATE

7. PERSONNEL:

PERSONNEL DIRECTOR DATE

8. FLOOD CONTROL DISTRICT:

D. P. ... 7-26-95
 ACTION RECOMMENDED BY Date

9. MATERIALS MANAGEMENT:

A. MATERIALS MGMT. DIR. DATE

B. W/MBE REPRESENTATIVE DATE

10. LEGAL: Approved as to form and within the powers and authority granted under the laws of the State of Arizona to the Flood Control District of Maricopa County Board of Directors.

John M. ... 7/31/95
 General Counsel DATE

11. OTHER:

SIGNATURE DATE

12. APPROVED FOR AGENDA:

David A. ... 8-1-95
 APPROVING OFFICIAL DATE

13. OTHER:

SIGNATURE DATE

15. RECOMMENDATION OF COUNTY MANAGER:

Approve Disapprove

Comments:

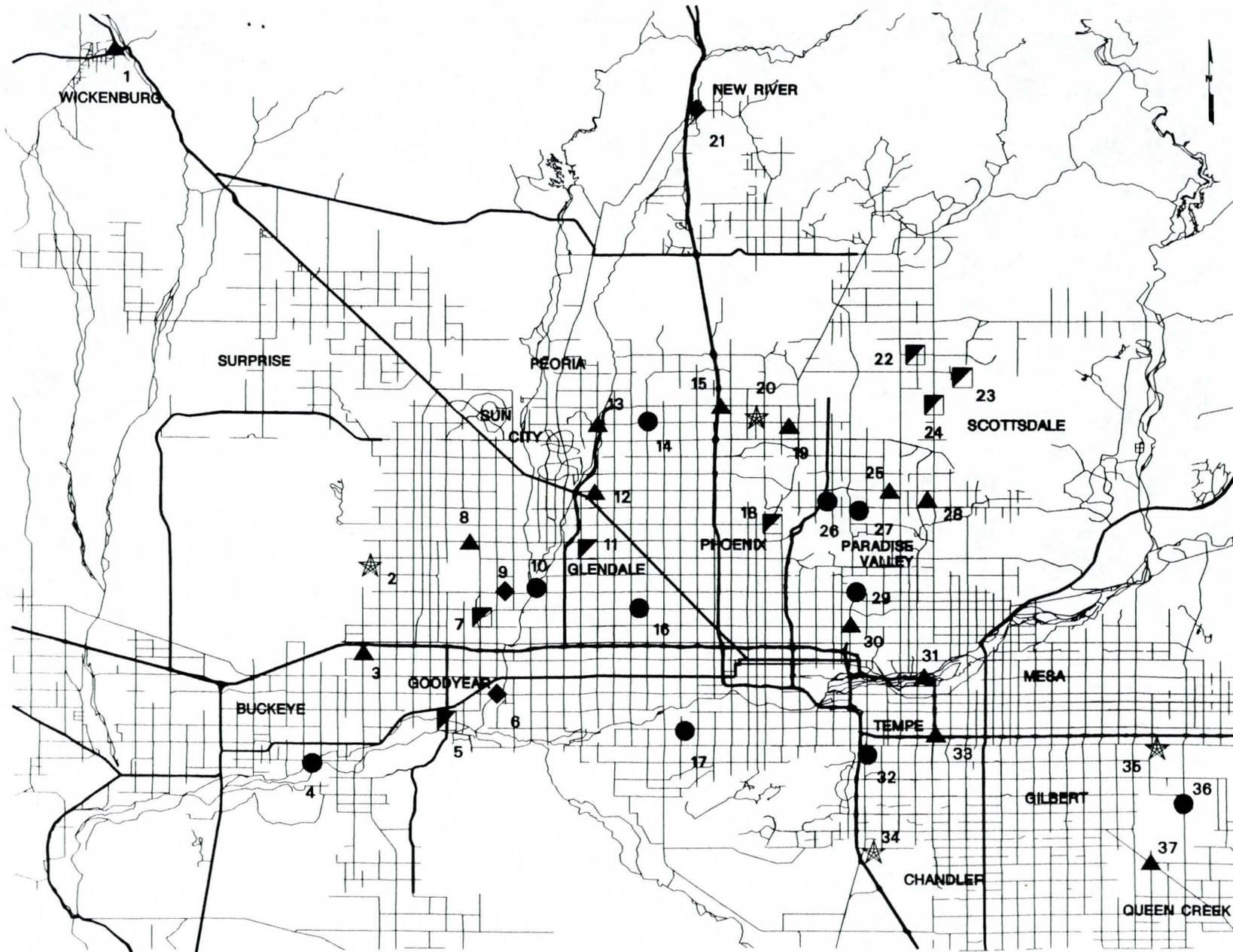
14. BOARD OF DIRECTORS: Action taken:

Approved Amended Disapproved Deleted

Continued to: _____
 (Date and type of meeting)
Jean McCarroll 9/6/95
 CLERK OF THE BOARD DATE

D. ... 8/28/95
 COUNTY MANAGER DATE

Status of Major C.I.P. Projects



Project Index

1. Casandro Wash Dam & Outlet
2. White Tanks #3 Inlet Improv.
3. White Tanks #4 Inlet Improv.
4. Salt-Gila River Study
5. Bullard Wash Overchute of BID
6. Agua Fria Flowage Easements
7. RID Canal Overchute
8. Dysart Drain/Reems Rd. Connector
9. Colter Channel
10. Camelback Ranch
11. Northern/Orangewood Storm Drain
12. Cactus Rd. Storm Drain
13. 83rd Ave/Union Hills Dr.
14. Skunk Creek Improvements
15. Beardsley Rd. Regional Drainage
16. Maryvale Flooding Mitigation
17. South Phoenix Drainage
18. 10th Street Wash Basin/Channel
19. East Fork Cave Creek ADMP
20. Cave Creek Improvements
21. New River ADMP
22. Rawhide Wash Channel
23. Reata Pass Channel
24. Pima Road Channel
25. PVSP Cactus Rd. Flood Control System
26. Tatum Wash Channel
27. Doubletree Ranch Rd. Improv.
28. 84th SVCholla Basin & Drain
29. Arcadia Area Drainage Project
30. Old Cross Cut Canal
31. Salt River Channel
32. Town of Guadalupe
33. Price Drain
34. Southeast Valley Reg. Drainage
35. Sossaman Channel
36. Southeast Mesa ADMP
37. Rittenhouse Drainage Improv.

Status (as of 9/6/95)

- ▲ Construction
- Study
- ◆ Land Acquisition
- ◻ Design
- ☆ Planned

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INTRODUCTION

The Flood Control District (District) is organized pursuant to ARS § 48-3601, et seq. The District's functional purpose is to prevent loss of life or injury to residents and to eliminate or minimize damages to real and personal property from flooding within the geographical limits of Maricopa County. The Capital Improvement Program (CIP) serves as the cornerstone of the District's efforts to resolve flooding problems in Maricopa County. This booklet provides information on the anticipated expenditures for flood control projects and programs for the next five years, from July 1995 through June 2000.

The Capital Improvement Program

The District maintains a 5-Year Capital Improvement Program (CIP) as called for in state statute and as directed by the District's *General Policies Concerning the Allocation of Fiscal Resources to Accomplish the District's Functions and Responsibilities*, adopted in 1988 by the Board of Directors and amended in 1993. The 5-Year CIP includes all costs associated with the implementation of projects or elements of projects that have been proposed by federal, state, District or local programs and have been reviewed through the *Procedure for Identifying and Prioritizing Potential 5-Year CIP Projects*, or a similar method approved by the Board of Directors. After budgeting the funds necessary for maintenance and other mandatory programs, the District budgets the remainder of its tax revenues, on an annual basis, for capital improvement projects and related programs. Multipurpose uses of flood control projects are encouraged to the extent that the other uses do not interfere with the operation of the flood control facility and do not significantly increase the maintenance requirements of the facility.

By definition, a Capital Improvement Program is a proposed timetable or schedule of future capital improvement projects to be carried out during a specific period. Generally, a CIP also combines cost estimates and the anticipated means of financing for each project. The District's CIP is a five-year program with the first year being the Capital Improvements Budget. A capital improvement project is a governmental acquisition of real property and/or a major construction project.

Planning Process

According to statute and the District's General Policies, each five years the District is to conduct a survey and prepare a report describing the remaining flooding problems and the existing flood control facilities in Maricopa County. In the conduct of the survey, the District solicits comments from and consults with the County's incorporated communities and other County, State and Federal agencies. Following the preparation and approval of the survey report, a *Comprehensive Plan for Flood Hazard Mitigation* is to be prepared. The plan includes a tentative priority, time schedule, and estimated cost for implementation of the various projects or project elements required to mitigate the County's flooding problems.

Information on flooding and flood-prone areas is also generated through the Area Drainage Master Study (ADMS) Program. The ADMS program was conceived in 1983 in order for the District to provide a proactive, leadership role in developing uniform, comprehensive inventories and models of the natural and man-made features that influence rainfall-runoff in identified study areas. There are approximately 24 ADMS areas ranging from 15 to 280 square miles. Twelve of the studies have been completed and three are currently underway. Area Drainage Master Plans

(ADMPs) are derived for each of the ADMS areas. These plans identify the results of the studies and recommend solutions for flooding problems. Requests from cities, towns and other agencies, along with ADMPs, are intended to be major sources of flood control projects for the CIP.

Other projects in the CIP are those that have been identified by the federal agencies that have prepared studies within the County. Many of these are included in the District's *Comprehensive Flood Control Program Report* (1991). The 1991 report updates the status of the 40 original project concepts contained in the District's first Comprehensive Report (1963). This Report identifies projects being undertaken by other governmental agencies in cooperation with the District, and reviews the Area Drainage Master Study (ADMS) Program.

Prioritization Process

The prioritization procedure was initially implemented for the FY 94-95 budget development cycle and serves as the primary mechanism for developing new CIP projects in a manner that is consistent with approved fiscal policies. Potential CIP projects are identified either by the cities, towns and other agencies, or through other District programs and evaluated on an annual basis for inclusion in the latter years of the 5-Year CIP.

An important aspect of the Prioritization Procedure is the District's cooperation with its client communities in defining the appropriate criteria for project review and assigning an appropriate weighting to each criterion. Table 1 shows the criteria and weights used in identifying project priorities, as determined in a recent workshop.

The primary benefits of the procedure to date have been its ability to: 1) reduce uncertainty by applying District-approved and community-reviewed criteria during the project review process; 2) improve fiscal efficiency by requiring concurrent review of all project proposals and timing this review with the District's budget cycle; 3) eliminate duplication and improve community commitment by focusing planning efforts on projects approved for pre-design/feasibility analysis; and, 4) provide a means for reconstructing or reprioritizing our budget and 5-Year CIP with a minimum of disruption to ongoing activities by developing a rank ordering system.

**Table 1
Prioritization Criteria**

Criterion	Points
<i>Master Plan Element</i>	6
<i>Agency Priority</i>	5
<i>Hydrologic/Hydraulic Significance</i>	10
<i>Area Protected</i>	30
<i>Level of Protection</i>	10
<i>Environmental/Areawide Benefits</i>	20
<i>Total Project Cost</i>	6
<i>Local Participation</i>	8
<i>Operations & Maintenance Costs</i>	5
TOTAL	100

There are two steps in the prioritization procedure (see Figure 1). First, all newly proposed projects are evaluated according to given, weighted criteria by a committee made up of District staff members. The selected projects are included in a District-funded and prioritized pre-design study program. If desired, requesting agencies may complete prioritized pre-design studies with their own staff and funds, as long as the information provided meets the minimum requirements addressed through District-sponsored studies. The primary aim of the pre-design study program is to develop more detailed information on potential CIP projects in the areas of design and construction costs, land acquisition requirements, permit and mitigation implications, operations and maintenance requirements, and project scheduling. It is also important that a consistent, minimum level of information is provided, so that decisions on CIP priority can be fairly determined.

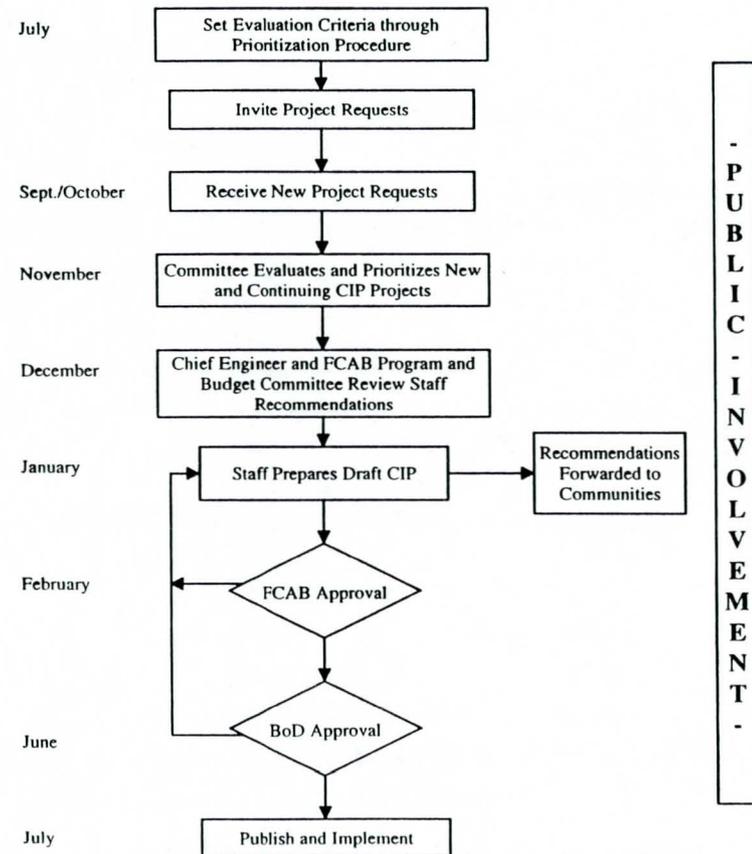
The second step includes the evaluation and prioritization of projects for inclusion in the District's 5-Year CIP program. For projects requiring an Intergovernmental Agreement, the information developed in the pre-design study will serve as the basis for negotiations. As Area Drainage Master Plans are completed, it is envisioned that a significant number of future pre-design studies and CIP project requests will originate through the ADMP program. Annual input regarding the priorities for projects contained within these plans, as well as other potential projects, will continue to be sought through the cities, towns and other agencies and prioritized on a county-wide basis.

New and ongoing projects that have been ranked for future CIP consideration by the District's Project Evaluation Committee and approved by the Flood Control Advisory Board during the FY 94-95 and FY 95-96 project evaluation and prioritization processes are

summarized in Appendix C.

Projects with construction activity underway were not numerically ranked by the Project Evaluation Committee. Once a CIP project has progressed to the stage where engineering design, plans and construction specifications are being prepared, its place in the 5-Year CIP program is generally maintained. The stability and timeliness of CIP project implementation is important to the District's customer communities.

Figure 1 - FCD 5-Year CIP Process



- P U B L I C - I N V O L V E M E N T -

Funding Resources

The vast majority of the District’s Operating and CIP revenues come from the flood control tax that is levied county-wide. The District levy, currently at \$0.3332/\$100 assessed value, generates approximately \$1 million/\$0.01. Relatively small revenue sources result from the sale or lease of District rights-of-way and reimbursements from project cost-share partners.

Table 2 and Figure 2 provide a summary of historic tax rates and revenue generated for the period from 7/84 through 6/95. From 7/88 through 6/95, a period of seven years, the District’s annual revenue from the real estate tax has decreased by more than 30 percent.

**FY 95-96 to FY 99-00 Capital Improvement Program:
Appendices**

Included in Appendix A is a listing of the projects which the Flood Control District of Maricopa County proposes to complete over the next five years (FY 94-95 through FY 98-99). The project listing also contains estimated expenditures.

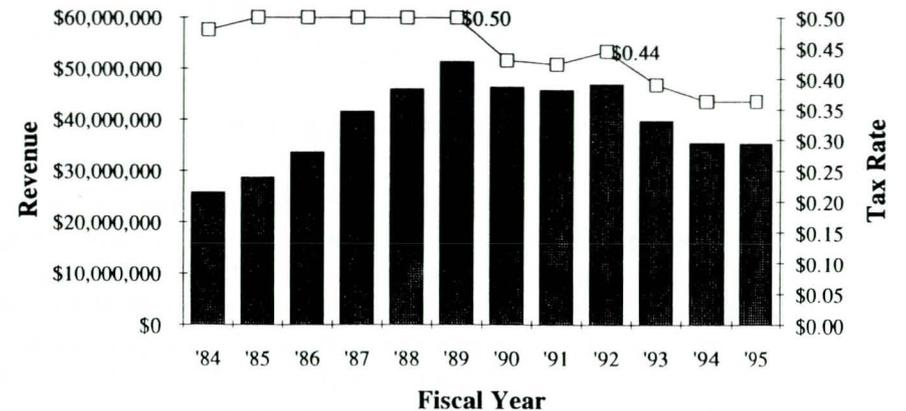
Appendix B provides a summary of each of the projects recommended for CIP consideration through the FY 94-95 and FY 95-96 Prioritization Process.

Appendix C provides a summary of the results of the FY 95-96 Prioritization Process results.

**Table 2
Tax Rates by Fiscal Year**

Year	Rate	Revenue
94/95	\$0.3632	\$35,300,000
93/94	\$0.3632	\$35,386,000
92/93	\$0.3901	\$39,715,000
91/92	\$0.4447	\$46,879,000
90/91	\$0.4235	\$45,797,000
89/90	\$0.4303	\$46,408,000
88/89	\$0.5000	\$51,345,000
87/88	\$0.5000	\$46,059,000
86/87	\$0.5000	\$41,566,000
85/86	\$0.5000	\$33,644,000
84/85	\$0.5000	\$28,697,000
83/84	\$0.4800	\$25,780,000

Figure 2 - Tax Revenue by Fiscal Year



Appendix A: CIP Budget and Schedule

THE CIP ESTIMATED EXPENDITURES

The following tables include estimated expenditures for all projects proposed for the District's Five-Year Capital Improvement Program for fiscal years 95/96 through 99/00.

The table is divided into two parts. The first is a summary of all of the project activity code expenditures. Many activity codes represent a cluster of projects in a given region. For example, the White Tanks activity code includes seven projects that originated from the White Tanks Area Drainage Master Plan.

The second part of the CIP expenditure table is a detailed listing of each project, listed by activity code. The figures in the table are divided by \$1,000, for easy display, and shown according to fiscal year for the entire five years. A "Total" column sums all of the expenditures, by project, proposed during the five-year period.

In order to more accurately identify CIP project costs for FY 97-98, 98-99 and 99-00 an annual inflation factor of 4.8% has been included in the estimated expenditure. This figure reflects the increased costs anticipated for project design, right-of-way acquisition and construction.

It is important to note that although most of the projects are scheduled to be completed in five years, those identified with an asterisk (*) will be continued beyond the five year period, due to availability of funding, status of design or construction plans, or due to schedules of other related activities. Also included in the CIP table is a column showing supervisor districts for the project.

Funding available for the CIP is based on estimates which combine anticipated revenues from numerous sources with the District's anticipated flood control tax revenues. These estimates are as follows:

ESTIMATED 5-YEAR CIP FUNDING *
(in thousands)

<u>FY</u>	<u>Tax Revenue</u>	<u>CIP Amount</u>
95/96	\$ 37,247	\$ 31,544
96/97	38,500	28,721
97/98	42,432	34,044
98/99	44,250	32,764
99/00	<u>46,182</u>	<u>33,390</u>
TOTAL	\$208,611	\$160,463

* Includes all funding sources

The majority of the costs associated with any specific project includes; preparation of design plans and specifications; utility relocations; construction; land acquisition; personnel costs and indirect services chargeable to the project. Further, many are accomplished with funding participation from other governmental entities. This participation often includes a monetary reimbursement of a portion of the expenditures incurred by the District. Therefore, following the expenditure listings on the table, there is a listing of projected reimbursements, according to project.

Flood Control District of Maricopa County: Capital Improvement Program

CIP PROJECT BUDGET/SCHEDULE: PROPOSED					Five Year CIP					
SUMMARY FY 97-99 Inflated					X \$ 1,000					
CITY	DIST.	ACT #	DESCRIPTION	Tax Rate	FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00	5-Yr TOTAL
				0.3332						
Multiple	5	P6A001	FCD FACILITIES		1,596	383	0	7	0	1,986
Multiple	1,2,4	P6A002	STORMWATER MONITORING SYSTEM		44	100	79	0	0	223
Multiple	all	P6A003	BEST MANAGEMENT PRACTICE		250	210	294	381	399	1,535
Multiple	all	P6A017	FLOOD WARNING SYSTEM		25	50	52	55	58	239
Scottsdale	2	P6A027	CITY OF SCOTTSDALE		400	0	0	0	0	400
Guadalupe	5	P6A035	TOWN OF GUADALUPE		57	100	92	244	0	493 *
Phoenix	1,2,3,5	P6A103	OLD CROSS CUT CANAL		3,371	5,760	4,192	6,621	4,639	24,583 *
Multiple	4,5	P6A106	SALT GILA CONTROL WORKS		1,050	0	472	0	0	1,522
Mesa	2	P6A108	SOSSAMAN CHANNEL		0	0	0	110	0	110 *
Mesa	1	P6A115	PRICE DRAIN		0	1,504	269	0	0	1,773 *
Multiple	1,5	P6A117	SOUTH PHOENIX DRAINAGE IMPROVEMENT		619	0	0	1,098	1,151	2,868 *
Phoenix	2,3	P6A118	ACDC		400	0	0	0	0	400
Scottsdale	2	P6A120	PVSP		20	0	0	0	0	20
Multiple	1,5	P6A125	SALT RIVER CHANNEL		4,500	0	0	0	0	4,500
Mesa/Pinal	2	P6A303	APACHE JUNCTION FLOODWAY		55	0	0	0	0	55
Wickenburg	4	P6A343	WICKENBURG ADMP		2,606	0	0	0	0	2,606
Multiple	4	P6A362	SKUNK CREEK		29	682	999	780	4,434	6,924 *
Multiple	4	P6A371	NEW RIVER ADMP		2,250	0	0	0	0	2,250
Multiple	4	P6A400	SKUNK CREEK/NEW RIVER		530	1,650	2,463	0	0	4,643
Multiple	5	P6A401	AGUA FRIA		15	0	0	0	0	15
Mesa	1,2	P6A442	SOUTHEAST MESA ADMP		100	200	0	0	2,302	2,602 *
Multiple	4	P6A450	GLENDALE/PEORIA ADMP		3,585	3,000	3,249	3,843	3,741	17,418 *
Phoenix	3	P6A460	EAST FORK CAVE CREEK		662	0	0	0	0	662 *
Multiple	4,5	P6A470	WHITE TANKS ADMP		3,042	6,590	6,305	4,414	495	20,846 *
Multiple	1	P6A480	QUEEN CREEK ADMP		103	1,300	3,878	0	0	5,281 *
Chandler	1,5	P6A490	GILBERT/CHANDLER ADMP		0	1,250	2,044	3,953	4,144	11,391 *
Multiple	3	P6A580	ACDC ADMP		2,936	1,985	1,991	3,294	3,453	13,659 *
Phoenix	3	P6A600	CAVE CREEK IMPROVEMENT		0	0	0	176	0	176 *
Phoenix	4,5	P6A620	MARYVALE ADMP		68	150	0	1,098	1,151	2,467 *
Scottsdale	2	P6A680	UIBW ADMP		0	900	4,758	3,783	4,516	13,957 *
			CIP PROJECT CONTINGENCY		324	0	0	0	0	324
			SUBTOTAL PROJECTS		28,637	25,814	31,137	29,857	30,483	145,928
			INDIRECT CHARGES		1,147	1,147	1,147	1,147	1,147	5,735
			FORCE		1,760	1,760	1,760	1,760	1,760	8,800
			PROJECTS TOTAL		31,544	28,721	34,044	32,764	33,390	160,463
			REIMBURSEMENTS		-6,333	-3,625	-4,107	-2,000	-3,500	-19,565
			TOTAL (NET)		25,211	25,096	29,937	30,764	29,890	140,898

CIP PROJECT BUDGET/SCHEDULE: PROPOSED

SEPT. 6, 1995 FY 97-99 Inflated

X \$ 1,000

Five Year CIP

CITY	DIST.	ACT #	DESCRIPTION	Tax Rate	FY	FY	FY	FY	FY	5-Yr TOTAL
					95/96	96/97	97/98	98/99	99/00	
				0.3332						
Multiple	2,3,5	P6A001	FCD FACILITIES		1,596	383	0	7	0	1,986
Phoenix	5		FCD OPERATIONAL FACILITIES		1,561	383	0	7	0	1,951
Phoenix	5		FLOOD CONTROL/SOLID WASTE		0	0	0	0	0	0
Mesa	2		EAST MESA YARD		15	0	0	0	0	15
Phoenix	3		ACDC MAINTENANCE YARD		20	0	0	0	0	20
Multiple	All	P6A002	STORMWATER MONITORING SYSTEM		44	100	79	0	0	223
Scottsdale	2		CITY OF SCOTTSDALE		0	0	79	0	0	79
Glendale	4		CITY OF GLENDALE		44	100	0	0	0	144
Phoenix	1,2,3,5		DISTRICT MONITORING STATIONS		0	0	0	0	0	0
Tempe	1		STORMWATER STATIONS		0	0	0	0	0	0
Multiple	all	P6A003	BEST MANAGEMENT PRACTICE		250	210	294	381	400	1,535
Multiple	n/a		DUST CONTROL		0	0	0	0	0	0
Multiple	n/a		WETLANDS		0	0	31	33	35	99
Multiple	n/a		TREATMENT FACILITIES		0	30	31	33	38	132
Mesa	1		EMF WETLANDS		0	0	22	0	0	21
Multiple	All		ASBESTOS ABATEMENT		50	80	105	205	212	652
Multiple	n/a		ENVIRONMENTAL ASSESSMENT		200	100	105	110	115	630
Multiple	all	P6A017	FLOOD WARNING SYSTEM		25	50	52	55	58	240
Scottsdale	2	P6A027	CITY OF SCOTTSDALE		400	0	0	0	0	400
Scottsdale	2		84TH STREET/CHOLLA BASIN DRAIN		400	0	0	0	0	400
Guadalupe	5	P6A035	TOWN OF GUADALUPE		57	100	92	244	0	493 *
Phoenix	1,2,3,5	P6A103	OLD CROSS CUT CANAL		3,371	5,760	4,192	6,621	4,639	24,583 *
Phoenix	1,2,3,5		MCDOWELL TO ARIZONA CANAL		3,191	5,760	4,192	6,621	4,639	24,403 *
Phoenix	2,3		ARCADIA AREA DRAINAGE PROJECT		180	0	0	0	0	180 *
Multiple	4,5	P6A106	SALT GILA CONTROL WORKS		1,050	0	472	0	0	1,522
Phoenix	4,5		SALT GILA CONTROL WORKS		1,050	0	0	0	0	1,050
Multiple	4,5		1000 FT CORRIDOR SURVEY		0	0	0	0	0	0
Multiple	4,5		MANAGEMENT STUDY		0	0	472	0	0	472
Mesa	1,2	P6A108	SOSSAMAN CHANNEL		0	0	0	110	0	110 *
Mesa	1,2		SOSSAMAN CHANNEL - US 60 TO BASELINE		0	0	0	110	0	110 *
Mesa	1	P6A115	PRICE DRAIN		0	1,504	269	0	0	1,773 *
Multiple	1,5	P6A117	SOUTH PHOENIX DRAINAGE IMPROVEMENT		619	0	0	2,098	1,151	2,868 *
Phoenix	2,3	P6A118	ACDC		400	0	0	0	0	400
Phoenix	2,3		LAND ACQUISITION/IMPROVEMENT		400	0	0	0	0	400
Scottsdale	2	P6A120	FVSP		20	0	0	0	0	20
Scottsdale	2		CACTUS ROAD FLOOD CONTROL SYSTEM		20	0	0	0	0	20

Flood Control District of Maricopa County: Capital Improvement Program

CIP PROJECT BUDGET/SCHEDULE: PROPOSED												
SEPT. 6, 1995			FY 97-99 Inflated		X \$ 1,000		Five Year CIP					
CITY	DIST.	ACT #	DESCRIPTION	Tax Rate	FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00	5-Yr TOTAL		
				0.3332								
Multiple	1,5	P6A125	SALT RIVER CHANNEL		4,500	0	0	0	0	4,500		
Multiple	1,5		McCLINTOCK - PIMA FREEWAY		4,500	0	0	0	0	4,500		
Mesa/Pinal	2	P6A303	APACHE JUNCTION FLOODWAY		55	0	0	0	0	55		
Wickenburg	4	P6A343	WICKENBURG ADMP		2,606	0	0	0	0	2,606		
Wickenburg	4		CASANDRO WASH DAM		1,706	0	0	0	0	1,706		
Wickenburg	4		CASANDRO WASH OUTLET		900	0	0	0	0	900		
Multiple	4	P6A362	SKUNK CREEK		29	682	999	780	4,434	6,924	*	
Multiple	4		ACDC TO ADOBE DAM		29	0	0	0	0	29		
Glendale	4		UNION HILLS - ADOBE DAM		0	682	716	0	4,434	5,832	*	
Peoria	4		ACDC - UNION HILLS		0	0	283	780	0	1,063	*	
Multiple	3	P6A371	NEW RIVER ADMP		2,250	0	0	0	0	2,250		
Multiple	3		UPPER NEW RIVER MITIGATION		2,250	0	0	0	0	2,250		
Multiple	4	P6A400	SKUNK CREEK/NEW RIVER		530	1,650	2,463	0	0	4,643		
Peoria	4		83RD AVENUE & UNION HILLS		100	0	0	0	0	100		
Phoenix	4		CAMELBACK RANCH		430	1,650	2,463	0	0	4,543		
Multiple	5	P6A401	AGUA FRIA		15	0	0	0	0	15		
Mesa	1,2	P6A442	SOUTHEAST MESA ADMP		100	200	0	0	2,302	2,602	*	
Mesa	1,2		SOUTHEAST MESA		100	200	0	0	0	300	*	
Mesa	1		ELLSWORTH/GERMANN IMPROVEMENTS		0	0	0	0	2,302	2,302	*	
Multiple	4	P6A450	GLENDALE/PEORIA ADMP		3,585	3,000	3,249	3,843	3,741	17,418	*	
Peoria	4		CACTUS ROAD STORM DRAIN		2,728	3,000	3,249	0	0	8,977		
Multiple	4		NORTHERN/ORANGEWOOD STORM DRAIN		857	0	0	3,843	3,741	8,441	*	
Phoenix	3	P6A460	EAST FORK CAVE CREEK		662	0	0	0	0	662		
Phoenix	3		ROSEMONT DR LATERAL (R01)		210	0	0	0	0	210		
Phoenix	3		UTOPIA RD LATERAL (R02)		119	0	0	0	0	119		
Phoenix	3		GROVERS AVE LATERAL (R03)		151	0	0	0	0	151		
Phoenix	3		CAMPOBELLO DR LATERAL (R04)		182	0	0	0	0	182		
Multiple	4,5	P6A470	WHITE TANKS ADMP		3,042	6,590	6,305		495	20,846	*	
Glendale	4		COLTER CHANNEL (R01)		185	0	0	0	0	185		
Glendale	4,5		DYSART DRAIN/REEMS RD CONNECTOR		1,509	5,780	2,134	0	0	9,423		
County	4		WHITE TANKS #4 INLET (R02)		325	0	1,572	0	0	1,897	*	
Goodyear	4		WHITE TANKS #3 INLET (R05)		165	0	0	0	0	165	*	
County	4		WHITE TANKS #3 FRS MODIFICATION		0	200	0	0	0	200		
Multiple	5		RID CANAL OVERCHUTE (R09)		836	0	0	0	0	836		
Goodyear	4		BULLARD WASH OUTFALL CHANNEL (R10)		22	610	2,599	4,414	495	8,140		

CIP PROJECT BUDGET/SCHEDULE: PROPOSED

SEPT. 6, 1995 FY 97-99 Inflated

X \$ 1,000

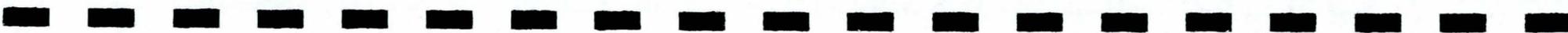
CITY	DIST.	ACT #	DESCRIPTION	Five Year CIP					5-Yr TOTAL
				FY 95/96	FY 96/97	FY 97/98	FY 98/99	FY 99/00	
			<i>Tax Rate</i>	0.3332					
Multiple	1	P6A480	QUEEN CREEK ADMP	103	1,300	3,878	0	0	5,281
Queen Cr.	1		RITTENHOUSE RD DRAINAGE IMPROVEMENT	103	1,300	3,878	0	0	5,281
Chandler	1,5	P6A490	GILBERT/CHANDLER ADMP	0	1,250	2,044	3,953	4,144	11,391 *
Chandler	1,5		SOUTHEAST VALLEY REGIONAL DRAINAGE SYSTEM	0	300	0	0	0	300
Chandler	1,5		GILA DRAIN TO McCLINTOCK	0	950	2,044	1,625	0	4,619
Chandler	1,5		McCLINTOCK TO PRICE ROAD	0	0	0	2,328	4,144	6,472
Chandler	1		EAST OF PRICE ROAD	0	0	0	0	0	0 *
Multiple	2,3	P6A580	ACDC ADMP	2,936	1,985	1,991	3,294	3,453	13,659 *
Phoenix	3		10TH STREET WASH	74	0	0	0	0	74
Phoenix	3		10TH STREET BASIN #1 (R03)	1,368	185	0	0	0	1,553
Phoenix	3		10TH STREET BASIN #2 (R04)	536	1,800	0	0	0	2,336
Phoenix	3		BEARDSLEY ROAD REGIONAL DRAINAGE	688	0	0	0	0	688
P.V.	2		DOUBLETREE RANCH ROAD DRAIN	190	0	262	3,294	3,453	7,199 *
P.V.	2,3		TATUM WASH CHANNEL	80	0	1,729	0	0	1,809
Phoenix	3	P6A600	CAVE CREEK IMPROVEMENT	0	0	0	176	0	176 *
Phoenix	3		CAVE CREEK - UNION HILLS TO BEARDSLEY	0	0	0	176	0	176 *
Phoenix	4,5	P6A620	MARYVALE ADMP	68	150	0	1,098	1,151	2,467 *
Phoenix	4,5		MARYVALE FLOODING MITIGATION PROJECT	68	150	0	1,098	1,151	2,467 *
Scottsdale	2	P6A680	UIBW ADMP	0	900	4,758	3,783	4,516	13,957 *
Scottsdale	2		REATA PASS CHANNEL	0	900	1,782	0	0	2,682 *
Scottsdale	2		PIMA ROAD CHANNEL	0	0	2,976	3,783	1,381	8,140 *
Scottsdale	2		RAWHIDE WASH IMPROVEMENTS	0	0	0	0	3,135	3,135 *
			CIP PROJECT CONTINGENCY	324	0	0	0	0	324
			SUBTOTAL PROJECTS	28,637	25,814	31,137	29,857	30,483	145,928
			INDIRECT CHARGES	1,147	1,147	1,147	1,147	1,147	5,735
			FORCE	1,760	1,760	1,760	1,760	1,760	8,800
			PROJECTS TOTAL	31,544	28,721	34,044	32,764	33,390	160,463

* = Projects not completed during the five year CIP.

NOTE: Project amounts increased cumulatively for FY 97/98, 98/99, and 99/00 by 1.048.

REIMBURSEMENTS

Phoenix	1,2,3,5	P6A103	OLD CROSS CUT CANAL	2,850	2,125	875	0	0	5,850
Peoria	4	P6A400	DESERT HARBOR DROP STRUCTURE	800	0	0	0	0	800
Peoria	4	P6A450	CACTUS ROAD STORM DRAIN	0	0	650	1,000	1,750	3,400
Glendale	4	P6A450	NORTHERN/ORANGEWOOD STORM DRAIN	0	0	650	1,000	1,750	3,400
Phoenix	3	P6A470	DYSART DRAIN/REEMS RD. CONNECTOR	2,263	1,500	1,932	0	0	5,695
Phoenix	4	P6A580	10TH STREET BASIN #2	420	0	0	0	0	420
			REIMBURSEMENTS	6,333	3,625	4,107	2,000	3,500	19,565



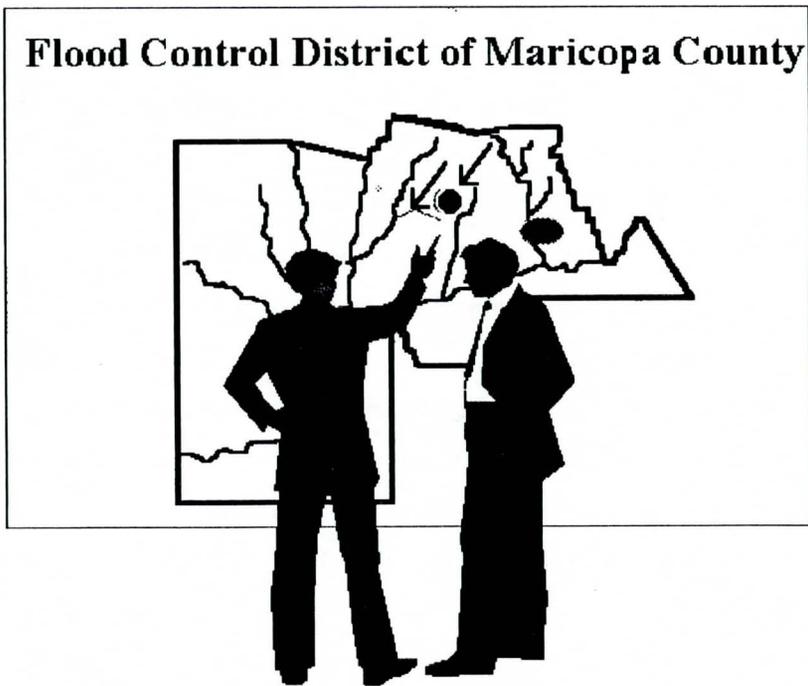
Appendix B: CIP Project Description Sheets

PROJECT DESCRIPTIONS

The Project Description Sheets include general description of the projects according to their current status. They are not intended as a historical record of a project from a comprehensive perspective. In other words, projects such as the Arizona Canal Diversion Channel (ACDC) are only discussed briefly in terms of the most current part of the project that appears in the CIP.

The projects in the CIP are located in many different geographical locations throughout Maricopa County. Some of the projects such as basins, may be isolated to small areas while others, such as the Salt-Gila Control Works may include a 36 plus-mile stretch of the river. Therefore, a map of the location of each project has been included to help the reader visualize the scale and vicinity of the activity.

Projects in the CIP are sorted by activity code; therefore, the project descriptions are also ordered in this method.



FLOOD CONTROL DISTRICT FACILITIES

Activity Code: P6A001

This project includes: 1) upgrading of the District's radio communications system due to a reallocation of transmission frequencies by the Federal Communication Commission; 2) remodeling of a new maintenance facility that was previously used by the US Army Corps of Engineers as a field office during the construction of the ACDC; and, 3) continuing minor modifications to the District's administrative offices in order to meet requirements of the Americans with Disabilities Act.

STORMWATER MONITORING SYSTEM

Activity Code: P6A002

The District's stormwater monitoring system, in accordance with the National Pollutant Discharge Elimination System (NPDES), has been established to collect samples used to determine the amount of contaminants that have been defined by the U.S. Environmental Protection Agency. This project includes the potential design of stormwater monitoring stations for the City of Glendale.

BEST MANAGEMENT PRACTICES

Activity Code: P6A003

Best Management Practices (BMPs) are measures or practices that are designed to achieve compliance with environmental regulations. They include archeological and environmental site assessments for CIP projects, as well as dust control, treatment facilities, and wetlands projects that comply with State and Federal environmental regulations.

FLOOD WARNING SYSTEM

Activity Code: P6A017

The Flood Warning System is called the Automated Local Evaluation in Real Time (ALERT) system. This system includes 178 self-contained precipitation and stream gauges that transmit information instantaneously by radio waves to base station computers at the District office and the National Weather Service. The data are used for monitoring conditions at flood control structures and for archiving data for hydrologic studies. This CIP project includes instrumentation for rain gauges and other monitoring equipment for the system.

CITY OF SCOTTSDALE

Activity Code: P6A027

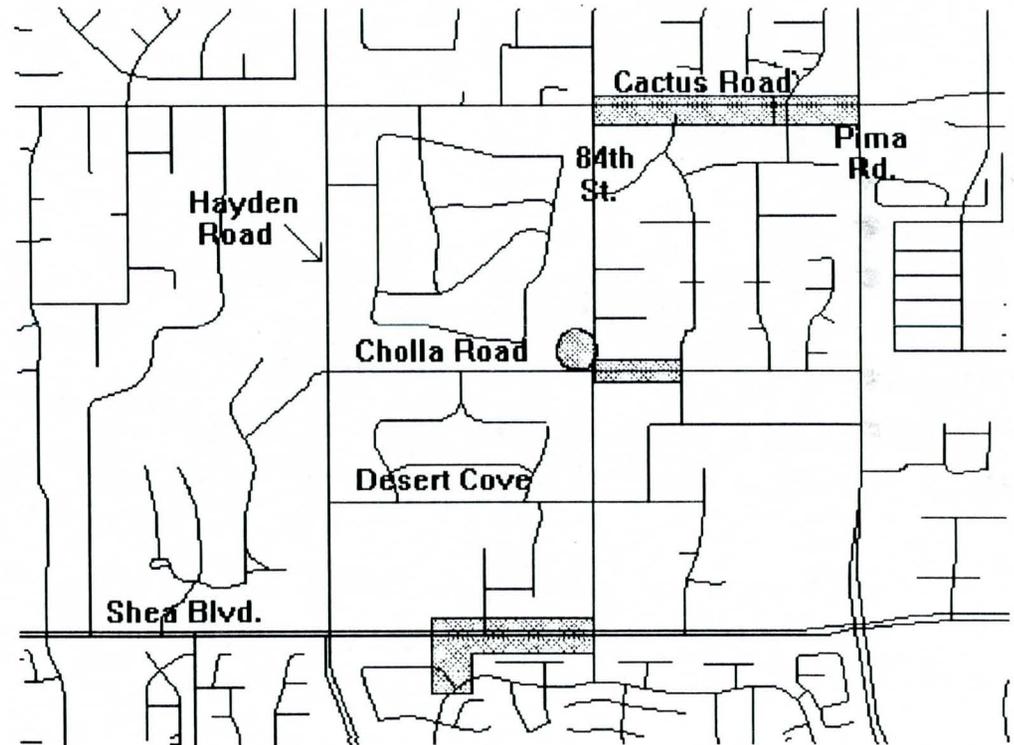
Supervisor District: 2

Township/Range: T3N R4E S24

Project Name: 84th Street/Cholla Basin & Storm Drain

The 84th Street/Cholla Basin and Storm Drain project includes improvements (650 cfs) in the Cholla Wash watershed of north Scottsdale between Cactus Road and Shea Boulevard to provide a 100-year level of protection. The project improves flood protection for approximately 200 homes and one church in a fully-developed, 250-acre area. Of this figure, 21 homes are immediately adjacent to the Cholla Wash floodplain. The project area is part of the City of Scottsdale's Hayden/Shea Area Drainage Master Plan.

The approved IGA includes a funding split of \$925,000 for Scottsdale and \$750,000 for the District to construct a storm drain system, an open channel, and a detention basin. The final portion of the District's cost share is budgeted in FY 95-96. Scottsdale will provide future operations and maintenance of the constructed features.



TOWN OF GUADALUPE

Activity Code: P6A035

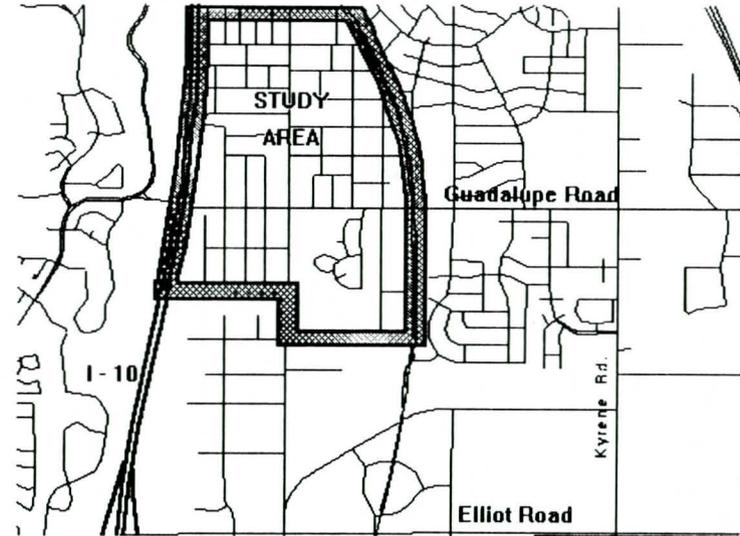
Supervisor District: 5

Township/Range: T1S R4E S4, 9

Project Name: Guadalupe Study and Improvements

This project includes a pre-design study to develop a comprehensive drainage master plan. The project will improve conditions for approximately one-half of the Town, which has a history of flooding problems due to stormwater flowing from the west and ponding against the Highline Canal. The severity of this problem has been lessened with the construction of the Guadalupe FRS and the reconstruction of I-10.

Possible recommendations of the study include the construction of basins along the west side of the Highline Canal. The level of protection for the project will be determined by the amount of land available for the basins, which are proposed to be constructed in Salt River Project right-of-way and utilized by the Town as future park sites. Total costs are estimated to be \$700,000. The remaining \$31,000 of a \$98,000 pre-design study is included in the 5-Year CIP, the design of recommended alternatives is estimated at \$100,000, and construction is estimated at \$500,000 (100% District). Future O&M is planned to be provided by Guadalupe.



OLD CROSS CUT CANAL

Activity Code: P6A103

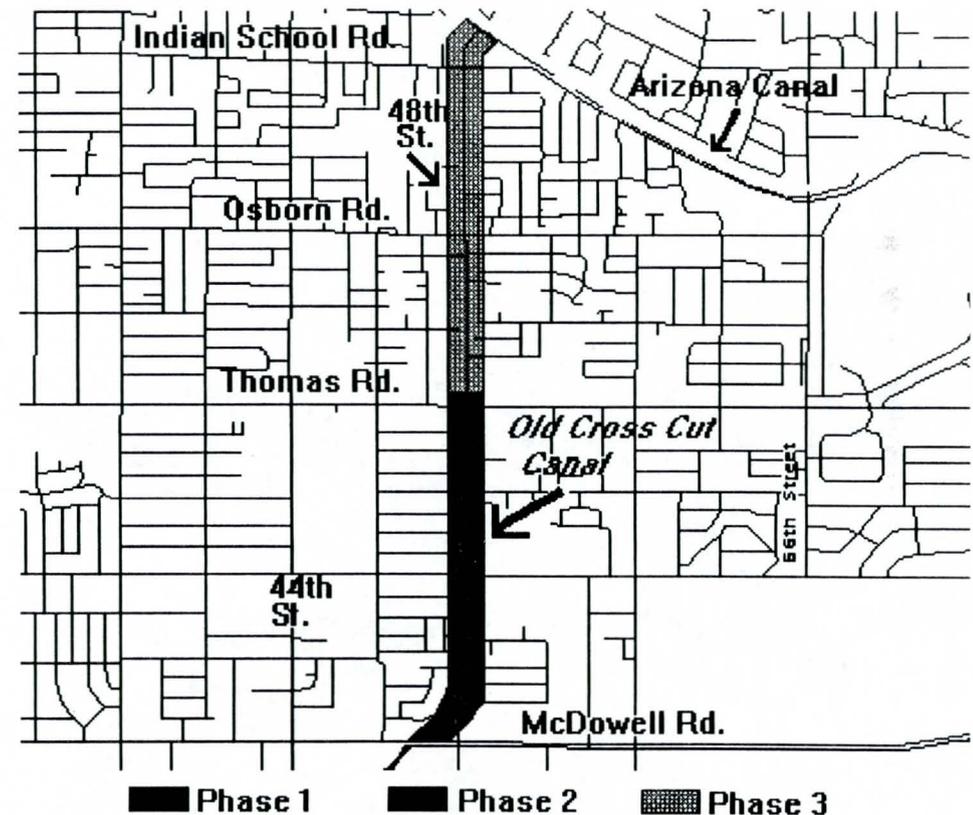
Supervisor District: 1, 5

Township/Range: T2N R4E S19, 20, 29, 30, 31, 32

Project Name: Old Cross Cut Canal–McDowell to Arizona Canal

This project represents the major flood control and regional drainage element of the Old Cross Cut Canal project. It includes approximately 11,000 linear feet of covered concrete channel to convey present storm flows from the Old Cross Cut Canal corridor and to provide an outfall for drainage from the Arcadia area north of the Arizona Canal, taking these flows to the Salt River. The covered channel will enable the City of Phoenix to make future roadway and park improvements within the Old Cross Cut Canal corridor. Total costs for the project are estimated to be \$27 million. The District will operate and maintain the constructed project.

The project is to be constructed in phases according to the following schedule: Phase I–Thomas Road crossing; Phase II–south of Thomas Road; Phase III–north of Thomas Road.



OLD CROSS CUT CANAL (continued)

Activity Code: P6A103

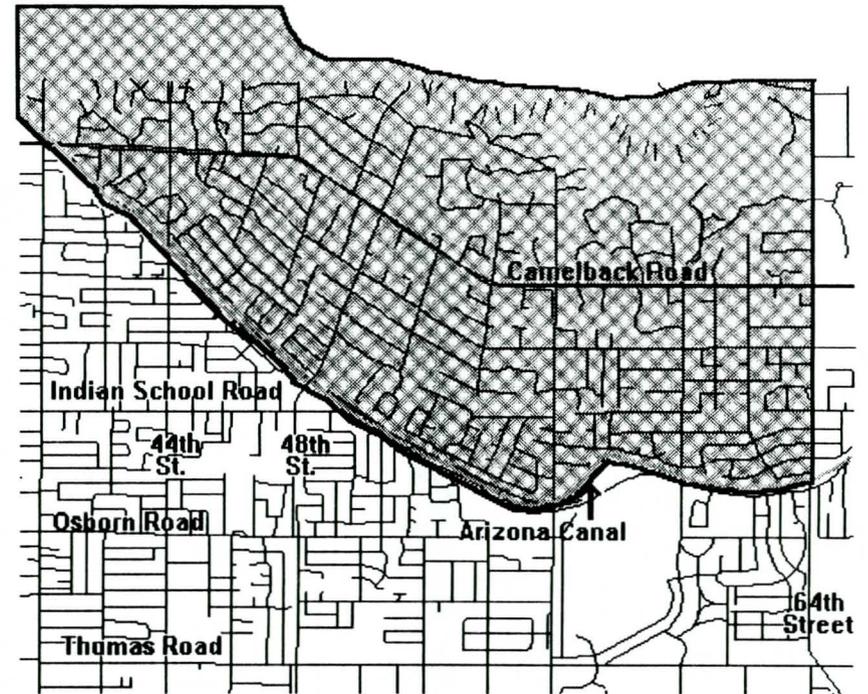
Supervisor District: 2, 3

Township/Range: T2N R4E S19-21

Project Name: Arcadia Area Drainage Project

The project will develop and recommend storm drain systems which will intercept and convey 1,000 cfs or more through a highly developed residential area between 40th and 64th Streets, north of the Arizona Canal. The project will create a drainage outfall for about four square miles, utilizing the improved Old Cross Cut Canal, and conveying the drainage to the Salt River. The project is a component of the Old Cross Cut Canal master plan.

The cost for the project is estimated at \$12,000,000, with the costs being shared between the District and the City of Phoenix at 50% each in accordance with a future IGA. The City will provide the operation and maintenance for the project.



SALT GILA CONTROL WORKS

Activity Code: P6A106

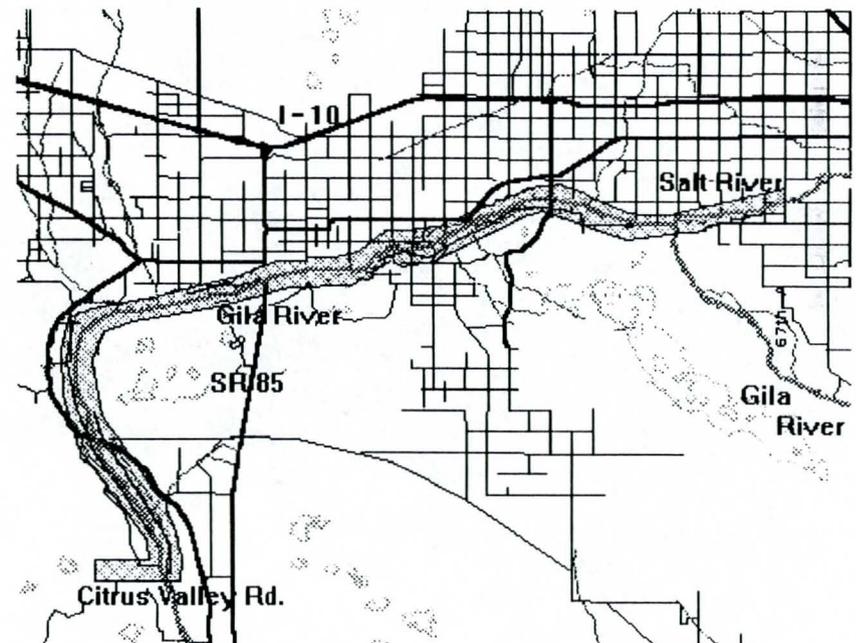
Supervisor District: 4, 5

T/R: T1N R1E; T1N R1W; T1N R2W; T1S R1E; T1S R1W;
T1S R2W; T1S R3W; T1S R4W; T1S R5W; T2S R5W;
T3S R4W; T3S R5W; T4S R4W; T5S R4W; T5S R5W

Project Name: Salt-Gila 1000 FT Corridor Survey

This project has been cancelled because of the 1993 storm that destroyed the clearing and pilot channel. To rebuild the corridor, a Corps of Engineers 404 permit would be required. The cost and regulations that would need to be met to attain the permit have made reconstruction unlikely. Funding has been deleted from the five-year CIP.

The land acquisition part of the project will continue after being on hold since the 1989 Appellate Court ruling on streambed ownership. While on hold, the District has been liable for 10% interest in its condemnation cases until all payments are made to the owners or their legal representatives. Resolution FCD 95-03 authorized the District to finalize all land acquisitions pertaining to the 1000 FT Corridor and eliminate future interest payments. Cost is estimated at \$1,050,000 to complete the acquisition process during FY 95-96.



SALT GILA CONTROL WORKS

Activity Code: P6A106

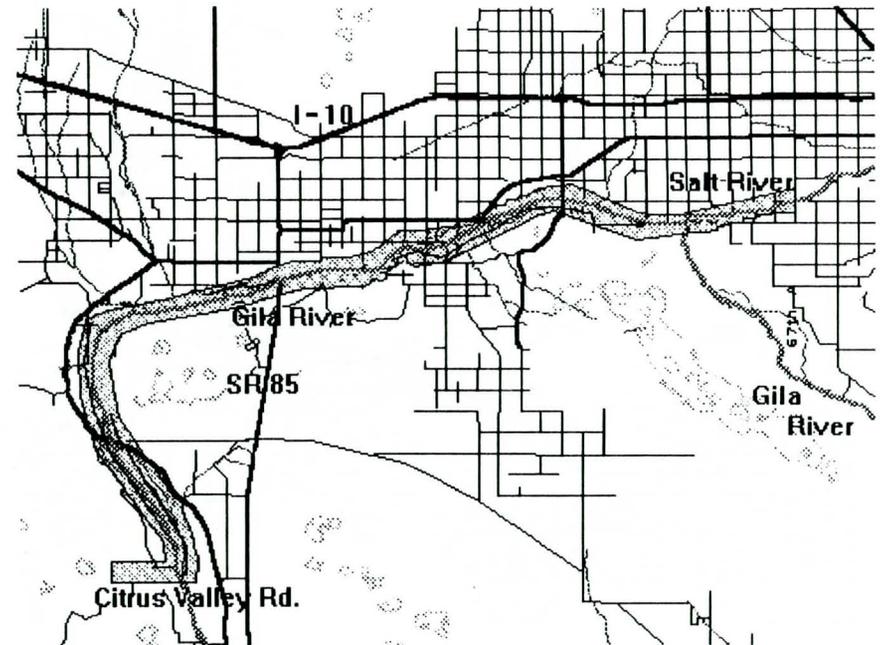
Supervisor District: 4, 5

T/R: T1N R1E; T1N R1W; T1N R2W; T1S R1E; T1S R1W;
T1S R2W; T1S R3W; T1S R4W; T1S R5W; T2S R5W;
T3S R4W; T3S R5W; T4S R4W; T5S R4W; T5S R5W

Project Name: Salt-Gila River Management Study

The purpose of the study is to investigate particular characteristics of the Salt-Gila River in order to determine an effective and financially responsible floodplain management program for the Salt-Gila River between 59th Avenue and Citrus Valley Road, west of the Town of Gila Bend (approximately 60 river miles).

Due to pending legal actions, the District, after consultation with the project contractor, has terminated its current project contract. The project may be re-initiated at a later date.



SOSSAMAN CHANNEL

Activity Code: P6A108

Supervisor District: 1, 2

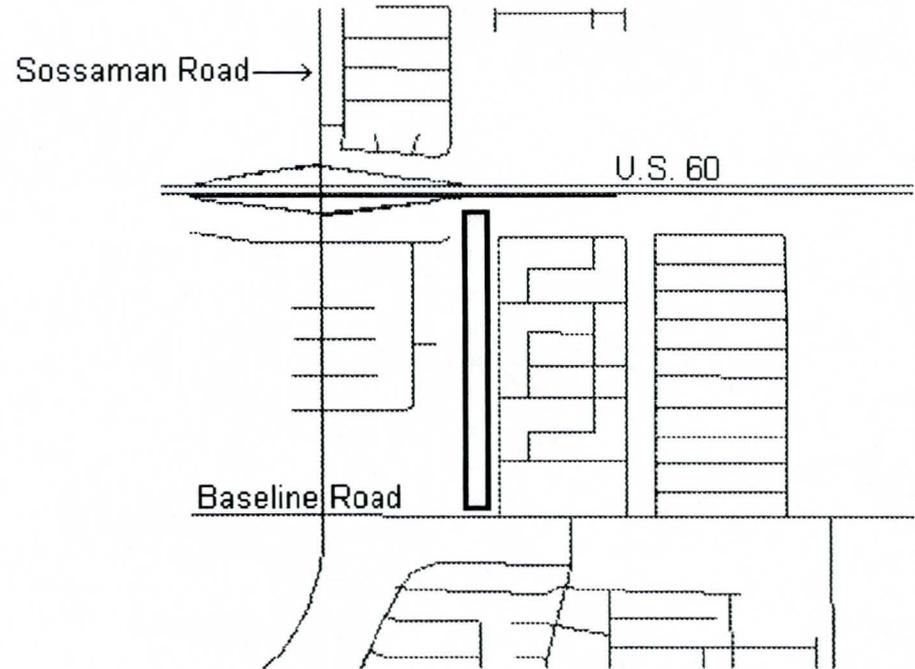
Township/Range: T1N R7E S32

Project Name: Sossaman Channel

This project is located in east Mesa, between Sossaman Road and Hawes Road and the Superstition Freeway (U.S. 60) to Baseline Road. The existing channel section does not have sufficient capacity to convey the 100-year peak discharge of 2400 cfs. The project will improve the channel from U.S. 60 to Baseline Road.

Channel design is currently projected to occur in FY 96-97.

Total cost to design and construct the improvements is estimated at \$1,100,000.



PRICE DRAIN

Activity Code: P6A115

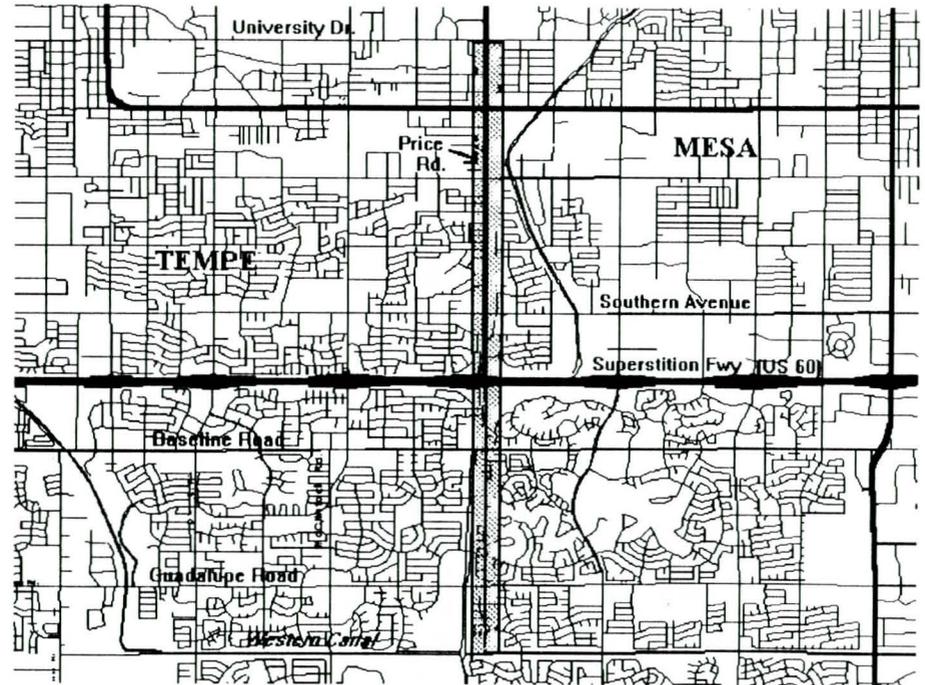
Supervisor District: 1

Township/Range: T1N R5E S18-19, 30-31; T1S R5E S5-6

Project Name: Price Road Drain

In 1987, ADOT, the District, Mesa, and Chandler entered into an Intergovernmental Agreement for the design, construction, and construction management of the Price Road Drain. This storm drain project extends south from the Salt River to Carriage Lane Park in Mesa. It is designed to serve ADOT's Price Road Freeway drainage needs and serve as an outfall for Mesa and Chandler storm drains, accommodating up to 230 cfs from the region. The drain varies in diameter from 9-18' and is buried up to 60' deep. The outfall, at the Salt River, is a combination of a U-shaped channel and box culvert.

The total cost of the project is \$49,593,431. The District's share is \$8,972,825. Construction of the facility is complete, with the exception of the reach from U.S. 60 south to Carriage Lane Park. To reduce costs, ADOT is developing an alternative that would allow downsizing the Carriage Lane outfall pipe from 108" to 84" .



SOUTH PHOENIX DRAINAGE IMPROVEMENTS

Activity Code: P6A117

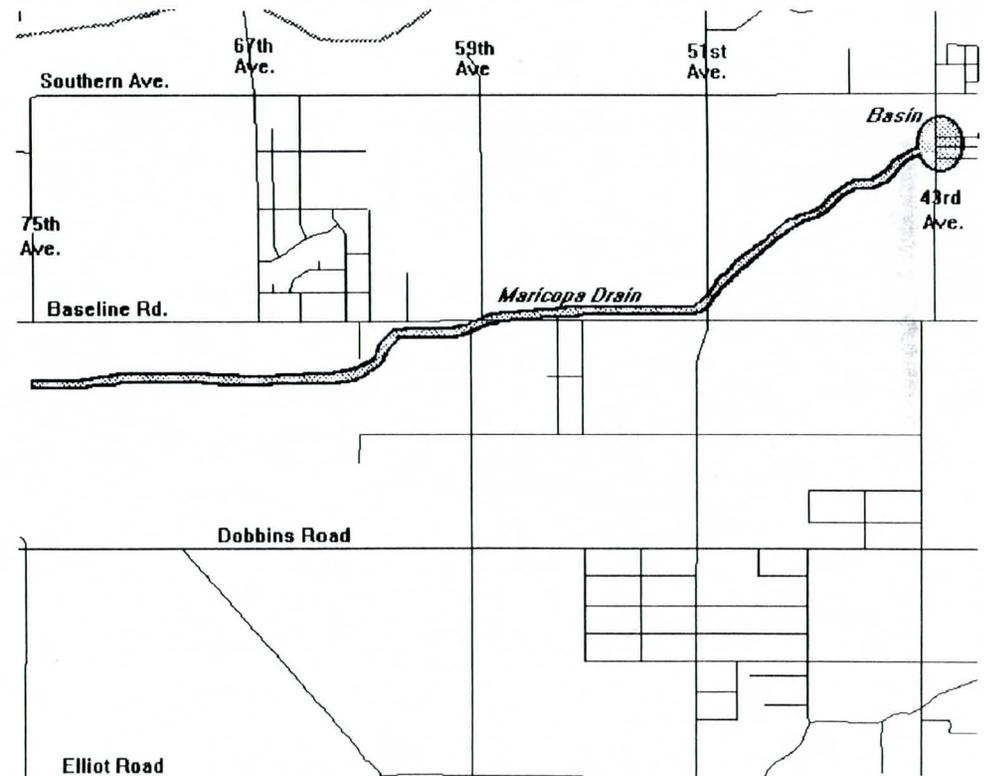
Supervisor District: 1, 5

Township/Range: T1N R2E; T1N R3E

Project Name: South Phoenix Drainage Improvements

The South Phoenix Drainage Improvements will provide protection from the 100-year flood event for approximately 100 homes and thousands of acres of farmland located within a 21 square mile area. A dozen or more homes located within a residential subdivision located near the intersection of 43rd Avenue and Baseline Road are frequently flooded. The watershed generates 2,200 cubic feet per second during the 100-year event and causes two to three feet of flooding.

An additional benefit of this project will be a reduction in the size of a bridge planned by ADOT as part of the Southwest Loop. This bridge will be designed to span the potential 100-year flood hazard area. Several detention basins and an outfall drain will be included in this project. Structural solutions preferred by other interests range up to \$12 million. It is assumed a majority of the funding will be provided by the District, with O&M being shared by the District and possibly the City of Phoenix.



PVSP - CACTUS ROAD FLOOD CONTROL SYSTEM

Activity Code: P6A120

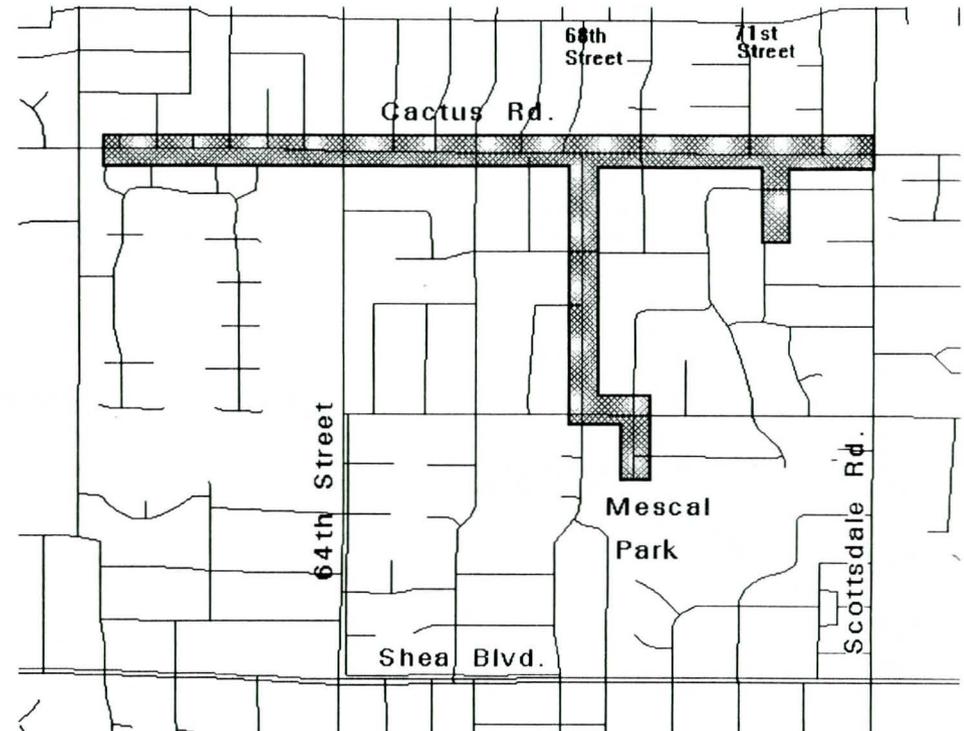
Supervisor District: 2

Township/Range: T3N R4E S22

Project Name: PVSP - Cactus Road Flood Control System

The project provides a minimum of 10-year storm drain and channel capacity in a manner consistent with the recommendations of the Paradise Valley/Scottsdale/Phoenix (PVSP) Master Drainage Plan. The FCD participated in the preparation of the PVSP plan and assisted in the construction of Project "C" from the plan. The project reduces flooding and improves traffic safety for approximately 1 square mile below Cactus Road between 62nd Street and Scottsdale Road. The area to be protected contains approximately 300 residences (most built prior to incorporation), a grade school and a middle school.

Construction of all project elements was completed in October 1994. The estimated \$20,000 in the FY 95-96 Budget represents the District's final payment for the Cactus Road interceptor storm drain, which is being held pending settlement of claims issues between the contractor and ADOT.



SALT RIVER CHANNEL

Activity Code: P6A125

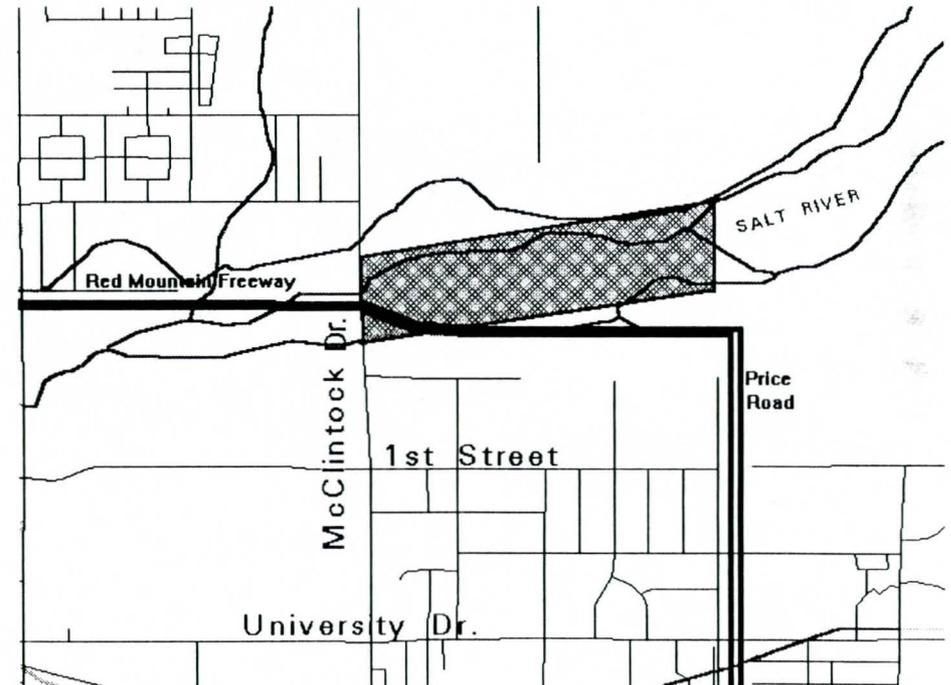
Supervisor District: 1, 5

Township/Range: T1N R4E S12-13

Project Name: Salt River Channel–McClintock to Pima Freeway

This project includes improvements to the Salt River to provide 100-year level of protection (215,000 cfs) from McClintock Drive east to Price Road. The project, which is being constructed as part of the Red Mountain Freeway project, will provide protection for an area containing light industrial and commercial development and multiple landfill sites, which are within an EPA-designated Federal Superfund site. Completion of this channel segment will result in continuous 100-year protection along the Salt River from 40th Street to Price Road. The project corridor may be incorporated into the future Rio Salado project and is Tempe's highest priority.

Cost is estimated to be between \$10.5 million and \$13.7 million, with up to \$11 million borne by the District. Construction is scheduled to begin in FY 95-96. Future operations and maintenance will be provided by the District at an estimated cost of \$25,000 per year.



APACHE JUNCTION FLOODWAY

Activity Code: P6A303

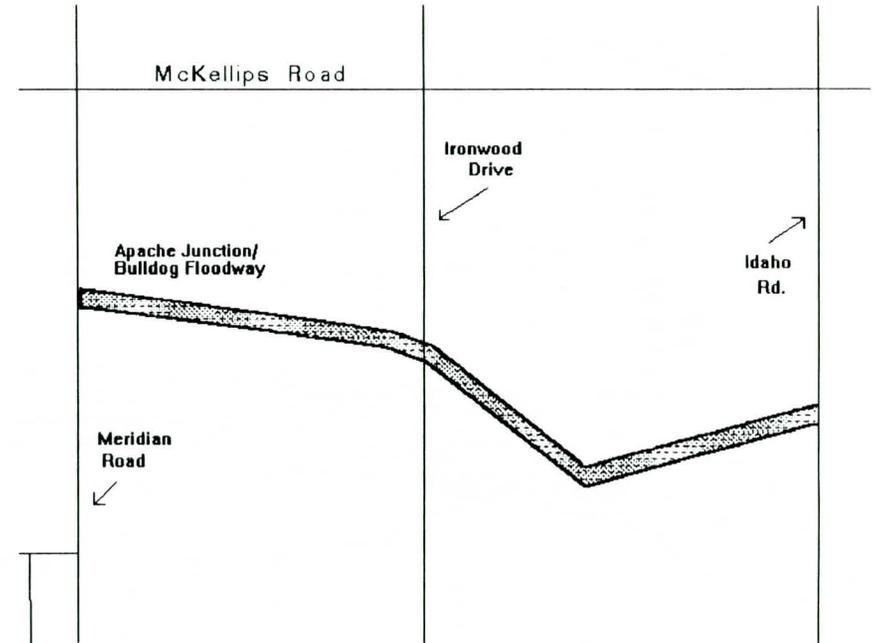
Supervisor District: 2

Township/Range: T1N R8E S7-8

Project Name: Apache Junction/Bulldog Floodway Ramps

This project includes the construction of ramps at the Bulldog and Apache Floodways, which are located in the Buckhorn-Mesa area, northeast of Mesa. The floodways were constructed by the Natural Resources Conservation Service (formerly SCS) to convey stormwater from the Apache Junction FRS through other NRCS structures and ultimately to the Salt River. Access ramps are required to facilitate maintenance of the floodway.

Bids for construction of the ramps have been received, and the low bid was \$55,360. Construction is scheduled to begin in June 1995 and be complete in July 1995.



WICKENBURG ADMP

Activity Code: P6A343

Supervisor District: 4

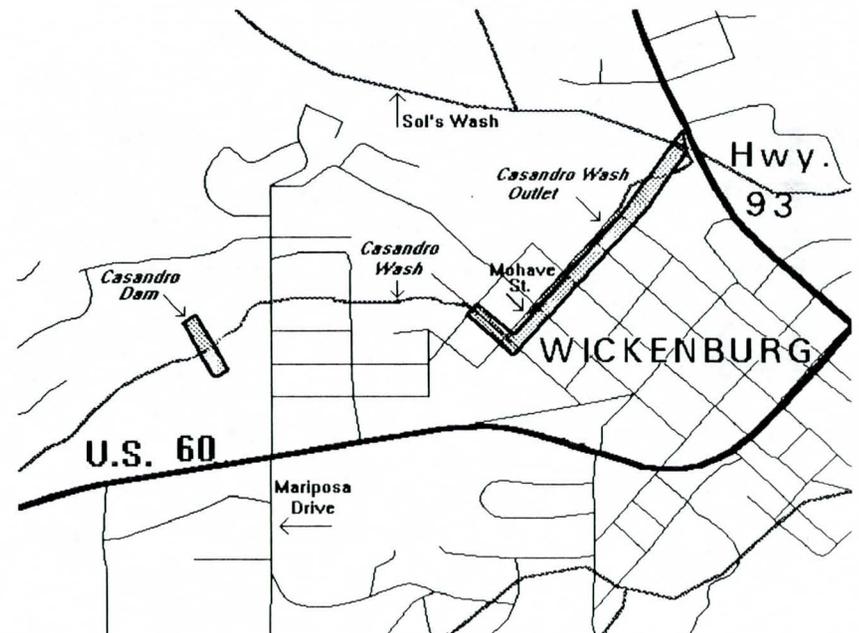
Township/Range: T7N R5W S1, 3, 11-12

Project Name: Casandro Wash Dam and Outlet

Casandro Wash originates in the Vulture Mountains and flows to the northeast through the Town of Wickenburg. The wash utilizes the roadways of a residential neighborhood to carry flows to Sol's Wash, and approximately 98 residences are located in Casandro Wash's 100-year floodplain. Town officials have indicated that Casandro Wash Dam is their top priority flood control project.

The dam, which is to be constructed in the wash north of US Highway 60 and approximately 1/4-mile east (upstream) of Mariposa Drive, will remove the majority of the floodplain.

Casandro Wash Outlet, which is to begin approximately 1/2-mile downstream of the dam and continue to Sol's Wash, will remove the remainder of the floodplain. The Town agrees to operate and maintain the outlet and provide Town-owned rights-of-way to the District at no cost. The project is estimated to cost \$3.5 million, including design, rights-of-way, and construction. Construction is scheduled to begin in FY 95-96.



SKUNK CREEK

Activity Code: P6A362

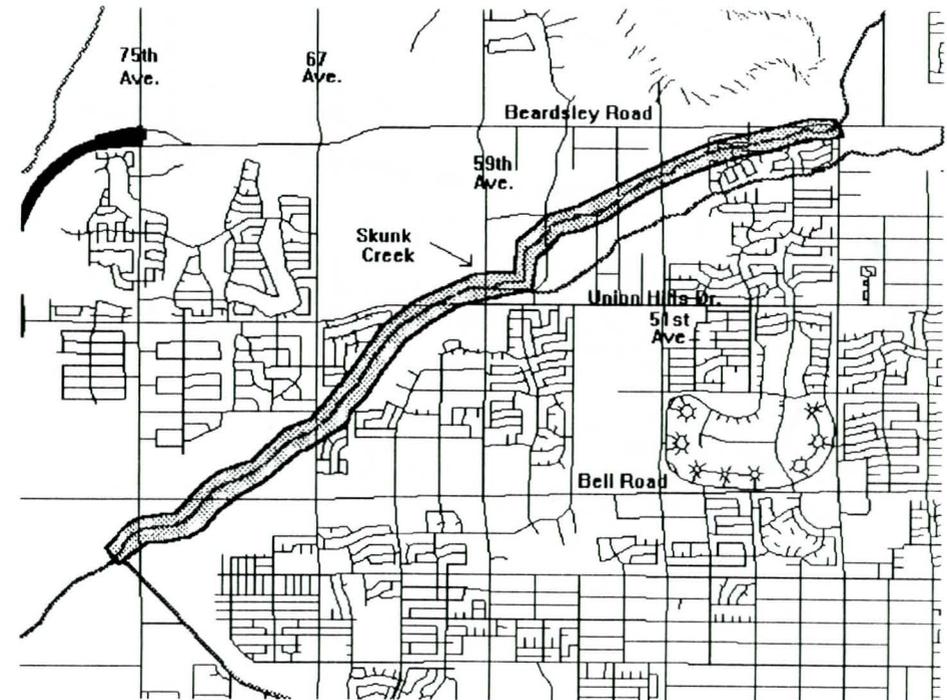
Supervisor District: 4

T/R: T4N R2E S28-31; T4N R1E S1-2

Project Name: ACDC To Adobe Dam

In an agreement with the COE, the District is responsible to assure 100-year capacity in Skunk Creek from Adobe Dam to the ACDC. Recent studies indicate that portions of the channel have been restricted, and the 100-year flows break out of the existing channel. Rapid development of the bordering properties has necessitated the completion of a pre-design study to determine 100-year capacity channel designs, including the need for grade control structures and the armoring of the channel banks in remaining unlined reaches.

Public participation has resulted in a multi-use concept designed to incorporate natural vegetation and provide access for pedestrian and equestrian uses, with bank armor buried to preserve a natural appearance. Total costs are estimated at \$10 million, with construction anticipated to be completed in two projects above and below Union Hills Drive. IGAs with the Cities of Glendale, Phoenix, and Peoria to establish cost sharing and O&M responsibilities have not yet been initiated.



NEW RIVER ADMP

Activity Code: P6A371

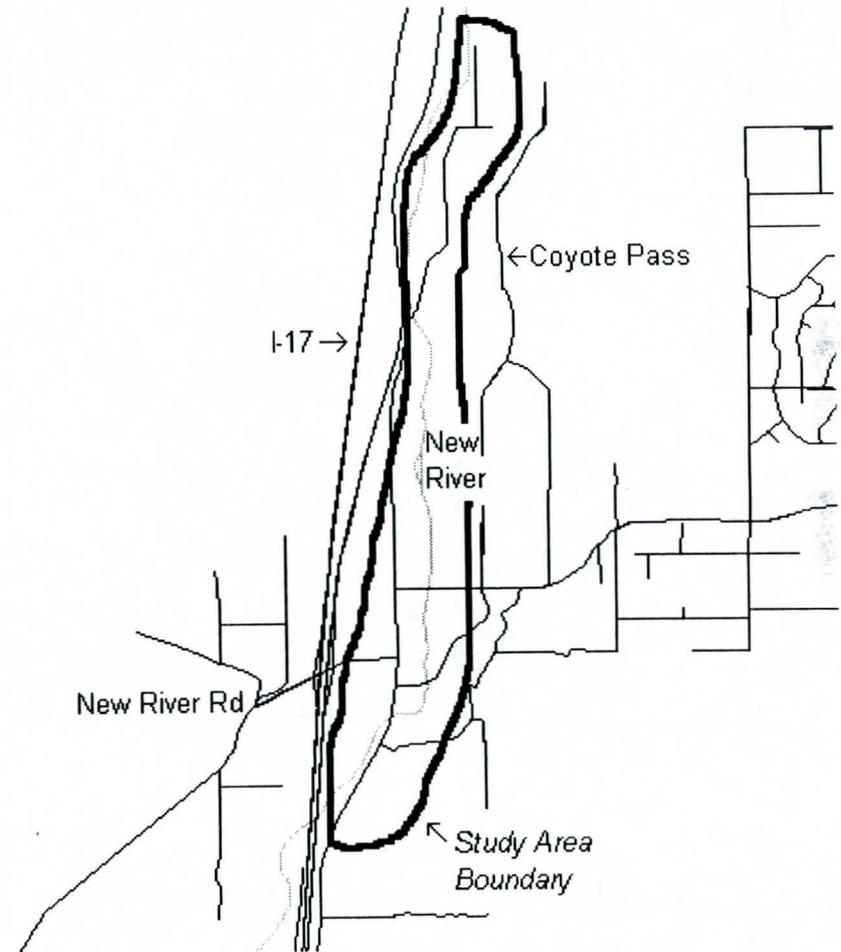
Supervisor District: 3

Township/Range: T7N R2E S22, 27

Project Name: Upper New River Flood Mitigation

There is a potential threat of loss of life for citizens residing in the floodplain the Upper New River, between New River Road and Table Mesa Road. In 1989, the District conducted a floodplain delineation of this river reach. During a 100-year event, flows were calculated to be up to 11 feet deep moving at 18-22 feet per second. Water of this depth and velocity is capable of floating houses off their building foundations, eroding material from under the foundations, or carrying large boulders which would destroy the structures. In January, 1993, flows estimated to be a 50-year event were recorded. One house was flooded, the channel bank of the river was eroded, and access to several dozen homes was cut.

The recommended project alternative is to purchase the houses and relocate the residents rather than build a flood control structure. The cost of the buy-out and relocation is estimated at \$2.2 million. The acquisition alternative assumes only voluntary sales by the owners (the District's condemnation authority would not be used). The houses would be demolished and the area would be allowed to return to natural conditions.



SKUNK CREEK/NEW RIVER

Activity Code: P6A400

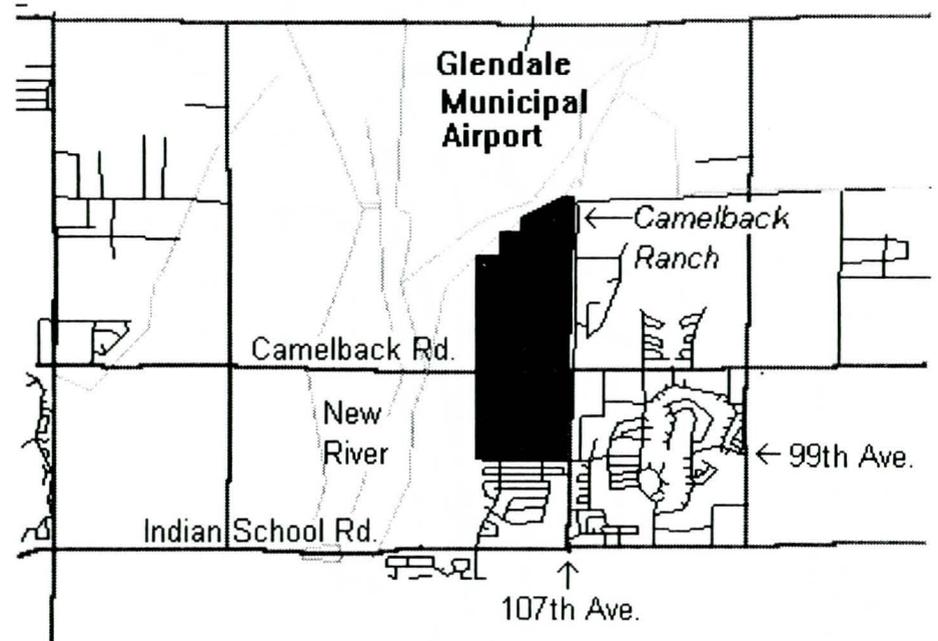
Supervisor District: 4

Township/Range: T2N R1E S18, 19

Project Name: Camelback Ranch

The Camelback Ranch property, 489 acres, was purchased from the Resolution Trust Corporation in order to fulfill the District's obligations under its 221 Agreement with the U.S. Army Corps of Engineers for the *Phoenix, Arizona and Vicinity (including New River) Flood Control Project*. The District proposes to construct levees to protect the property from New River and Agua Fria River flood flows. The levee will be constructed to meet the Corps' Standard Project Flood requirements and will be operated and maintained by the District. The estimated cost to design and build the levees and rezone the property is 4.4 million.

Upon completion of the project, the remainder of the 489-acre property will be sold at public auction. The District estimates the potential net revenue from this sale will be \$4.6 million.



SKUNK CREEK/NEW RIVER (continued)

Activity Code: P6A400

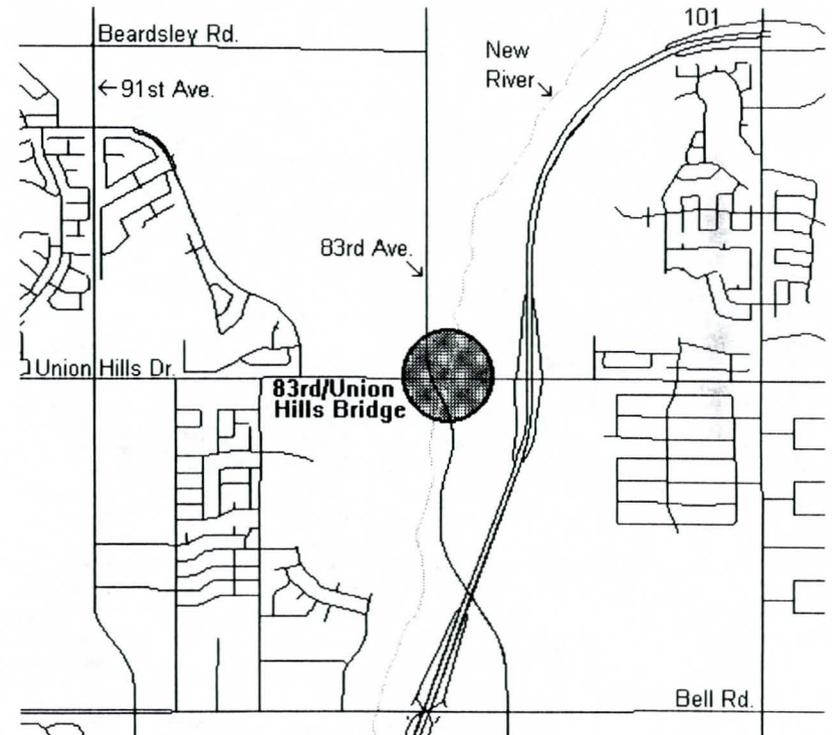
Supervisor District: 4

Township/Range: T2N R1E S18, 19

Project Name: 83rd Avenue and Union Hills Drive

A flooding problem exists at the intersection of 83rd Avenue, Union Hills Drive and the New River. Contributing to this condition are extended discharges from the New River Flood Control Dam after large rainfall/runoff events. Therefore, the District has entered into an IGA with the Maricopa County Department of Transportation to assist in the construction of a bridge over the New River.

The District's financial commitment to the project is \$100,000. This figure is based on the estimated cost to construct a box culvert capable of mitigating the transportation impacts that could be associated with extended discharges from the New River Flood Control Dam.



AGUA FRIA - FLOWAGE EASEMENTS

Activity Code: P6A401

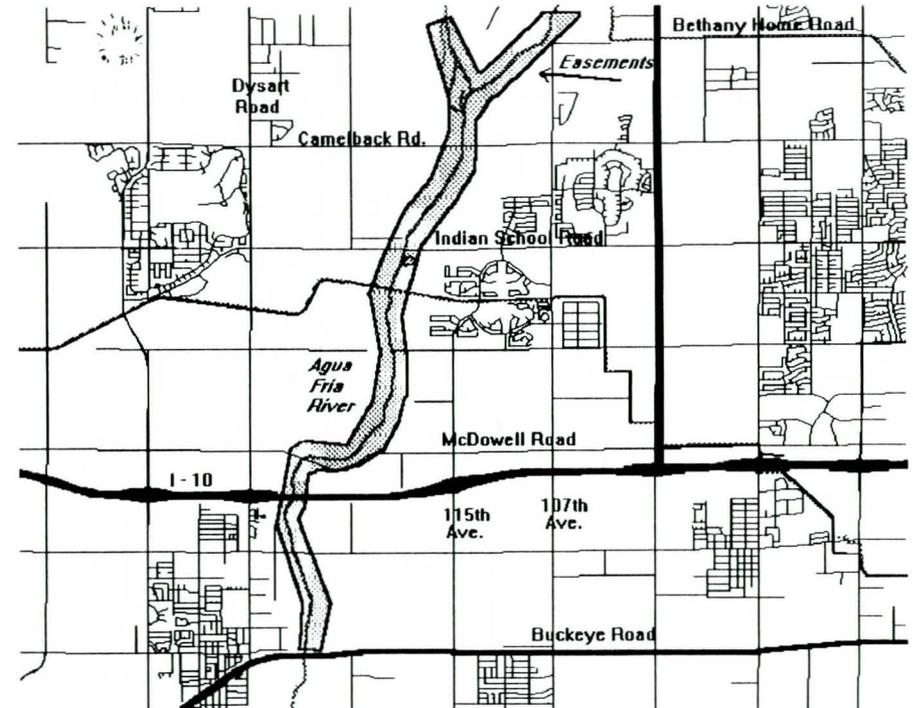
Supervisor District: 4, 5

Township/Range: T2N R1W S25, 36; T1N R1W S2, 11

Project Name: Agua Fria Flowage Easements

This project includes the acquisition of flowage easements along the Agua Fria River in conjunction with the Agua Fria Channelization project, between Indian School Road and Lower Buckeye Road in 1988. These flowage easements are required by the District's agreement with the Corps of Engineers as a part of the *Phoenix, Arizona and Vicinity (including New River) Flood Control Project*, which consists of four major flood control dams and the ACDC project.

All easements have been acquired. The budgeted funds are contract costs to respond to an appeal regarding a parcel acquired by the District through eminent domain near Southern Avenue and Dysart Road.



SOUTHEAST MESA ADMP

Activity Code: P6A442

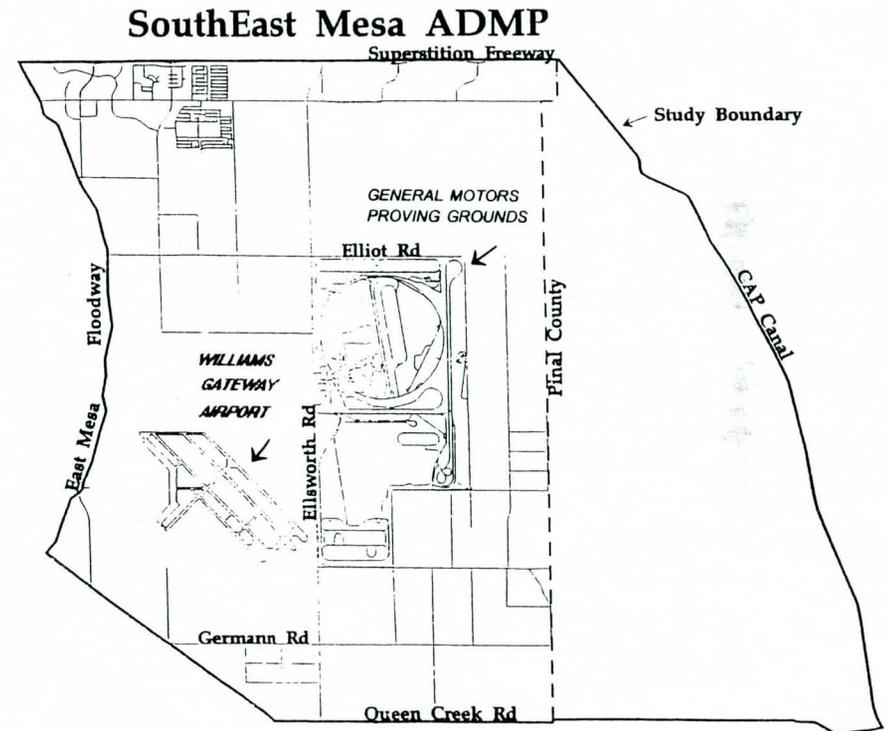
Supervisor District: 1

Township/Range: T1S R7E, T1N R7E

Project Name: Southeast Mesa ADMP and Ellsworth/ Germann Improvements

This project was requested by the City of Mesa to help alleviate flooding along Ellsworth and Germann Roads. The flooding along Ellsworth Road disrupts the primary access route to the General Motors Proving Grounds and TRW's South Mesa Airbag Facility.

The hydrologic study encompasses 72.5 square miles of land within both Maricopa and Pinal Counties and will be prepared in-house. The ADMP will address only the 49 square miles that lies within Maricopa County. A consulting firm will be contracted to determine solutions to the flooding problem using the hydrology prepared by the District. Funds have been budgeted in FY 1995-96 and 96-97 to identify the design alternatives. The Ellsworth/Germann Improvements are currently scheduled for FY 99-00.



GLENDALE/PEORIA ADMP

Activity Code: P6A450

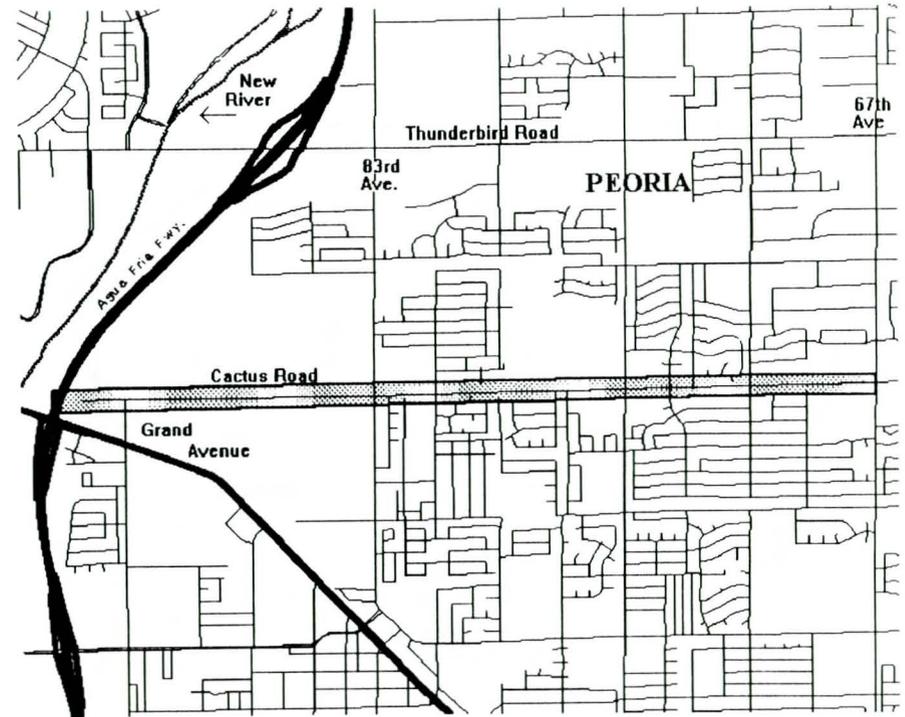
Supervisor District: 4

Township/Range: T3N R1E S13-16

Project Name: Cactus Road Storm Drain

This project includes a 10-year storm drain running west in the Cactus Road alignment beginning at 67th Avenue and continuing to New River via the drainage channel constructed for the Agua Fria Freeway (Outer Loop). The project will benefit a 3.5 square mile area in Peoria and Glendale. The drain will also provide an outlet for future municipal storm drains. Phase I, from the Agua Fria River to 83rd Avenue, will be constructed in FY 95-96.

Total cost is estimated at \$9.5 million (50% by the District, 50% by Glendale and Peoria). Peoria will provide operations and maintenance for this project. Design has been completed by the District. An IGA with the Cities of Glendale and Peoria was approved in April 1994.



GLENDALE/PEORIA ADMP (continued)

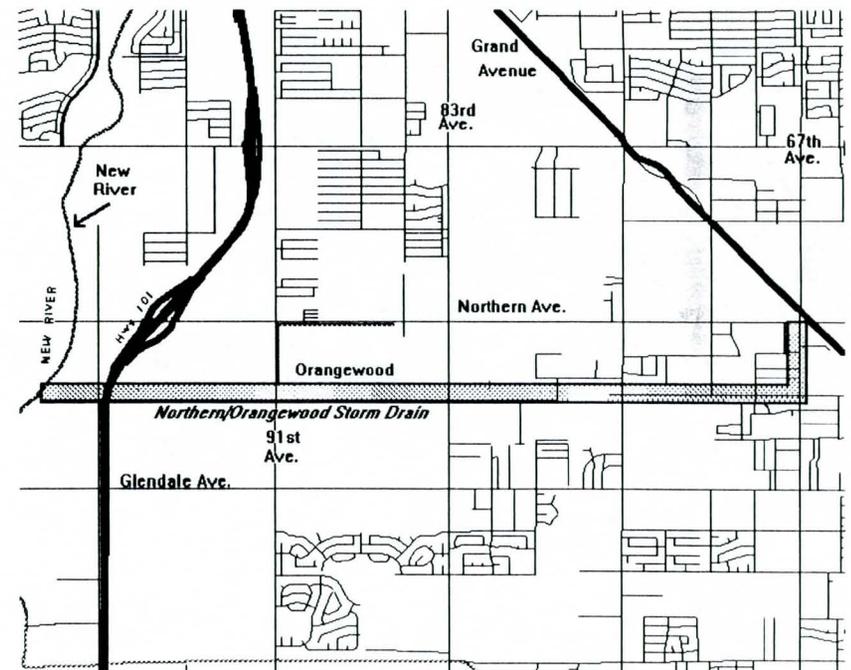
Activity Code: P6A450

Supervisor District: 4

Township/Range: T2N R1E S1-5

Project Name: Northern/Orangewood Storm Drain

This project includes a 10-year storm drain, running west between the Orangewood Avenue and Northern Avenue alignments from 67th Avenue to New River. The project will benefit nine square miles of existing development in the unincorporated County, Glendale and Peoria that have been subjected to several flood events in the past four years. The drain will also provide an outlet for future municipal storm drains and ADOT's Grand Avenue project. The District plans to construct two detention basins (one each in Glendale and Peoria) along the drain corridor in order to reduce pipe costs while increasing the future level of protection and providing water quality and recharge benefits. Total costs are estimated at \$16.5 million (50% the District, 50% by Glendale and Peoria). Glendale will provide O&M for the portions of the project in Glendale and the unincorporated County, while Peoria will provide O&M for the portions within its city limits. An IGA with the cities was approved in April 1994. The District has acquired the basin sites at a savings of \$3 million from the original 1987 estimate.



EAST FORK CAVE CREEK

Activity Code: P6A460

Supervisor District: 3 Township/Range: T4N R3E; T3N R3E

Project Name: Rosemont Drive Lateral

This project includes buried drainage conduit to convey the 100-yr. runoff to Detention Basin # 2. The lateral begins in Rosemont Dr. east of 12th St. In all, the components of the East Fork Cave Creek project (5 basins, 1 channel and 4 laterals) will collect runoff from a 16-sq. mile area.

Project Name: Utopia Road Lateral

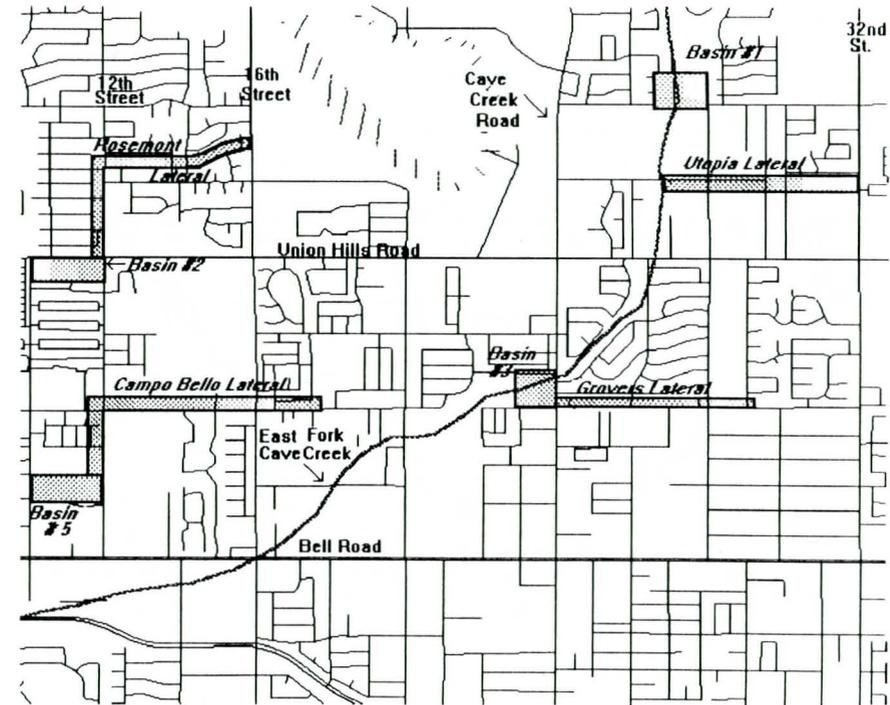
This project includes buried drainage conduit to convey the 100-yr. runoff to the East Fork Cave Creek channel. The lateral begins east of 32nd St. and runs west underneath Utopia Rd. to the EFCC channel.

Project Name: Grovers Avenue Lateral

This project includes buried drainage conduit to convey the 100-yr. runoff to Detention Basin #3. The lateral begins west of 32nd St. and runs west under Grovers Ave. to the west side of Cave Creek Rd. at Basin #3.

Project Name: CampoBello Drive Lateral

This project includes buried drainage conduit to convey the 100-yr. runoff to Detention Basin #5. The lateral begins at 18th St. and runs east under Grovers Ave. to 12th St., where it turns south to Basin #5.



WHITE TANKS ADMP

Activity Code: P6A470

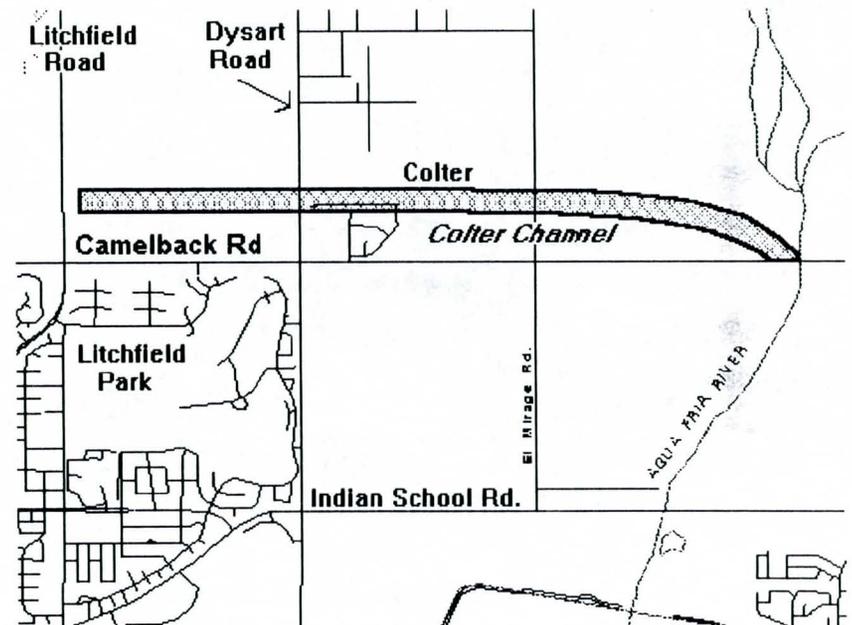
Supervisor District: 4, 5

Township/Range: T2N R1W S13-15

Project Name: Colter Channel

The project is located north of Litchfield Park and extends from Litchfield Road to the Agua Fria River along an alignment about one-quarter mile north of Camelback Road. The principal feature is a 14,000 foot long earthen channel that varies from 50 feet to 250 feet wide. The project, which has been constructed, intercepts and conveys to the river the 100-year storm flows from north of the channel, thereby providing protection to the MCDOT improvements on Camelback and Dysart Roads and to Litchfield Park and the surrounding community. The project also eliminates a portion of an "A" Zone floodplain, removing about 20 homes from the floodplain.

The funds in the 5-Year CIP are for settlement costs associated with rights-of-way acquisition.



WHITE TANKS ADMP (continued)

Activity Code: P6A470

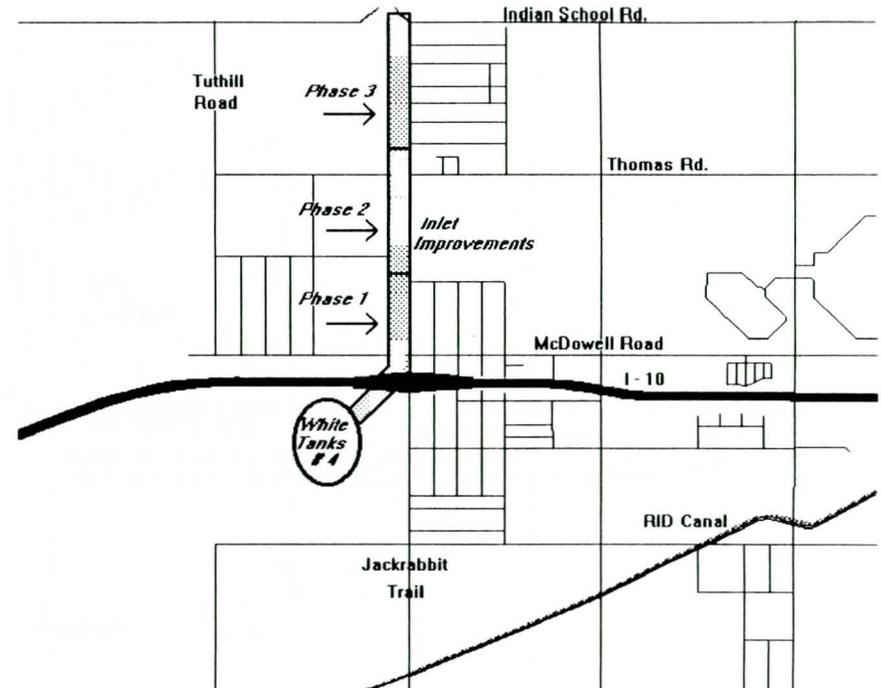
Supervisor District: 5

Township/Range: T2N R2W S32; T1N R2W S5

Project Name: White Tanks #4 Inlet Improvements

This project includes the construction of a channel along the west right-of-way line of Jackrabbit Road from the White Tanks #4 Flood Retarding Structure (FRS) northward. The Channel will intercept stormwater runoff flowing in a southeasterly direction and convey it into the FRS. Construction is proposed to be completed in phases, depending on the availability of CIP funding. Phase I is from the FRS northward to approximately 1,200 feet north of McDowell Road and will be a concrete-lined channel (design is complete) estimated to cost \$1.53 million. Phase II will continue the project to approximately 1000 feet north of Thomas Road, and Phase III will extend to the north side of Indian School Road.

The Channel is necessary to intercept flows and divert them into the FRS as intended by the original Soil Conservation Service design. The construction of Interstate 10 and improvements to Jackrabbit Road have disrupted the original drainage paths in the area.



WHITE TANKS ADMP (continued)

Activity Code: P6A470

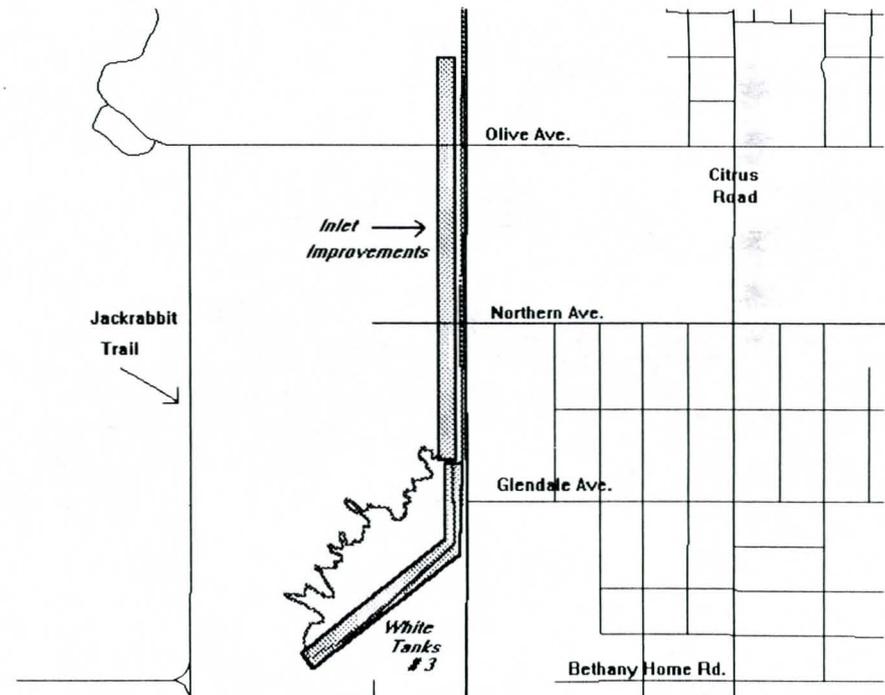
Supervisor District: 5

Township/Range: T2N R2W S4, 8-9

Project Name: White Tanks #3 FRS Modifications

This project involves the rehabilitation of the White Tanks #3 Flood Retarding Structure (FRS) to bring it up to current Arizona Department of Water Resources standards. The Natural Resources Conservation Service (formerly SCS) is the Federal sponsor for the project. They will be responsible for assuming all costs associated with the modification of the FRS.

The District, acting as local sponsor, will be responsible for all costs, estimated to be \$200,000, associated with the acquisition of the project rights-of-way. The improvements to be performed by the NRCS include re-establishment of the crest of the dam, construction of an emergency spillway, and improvements to the reservoir behind the FRS.



WHITE TANKS ADMP (continued)

Activity Code: P6A470

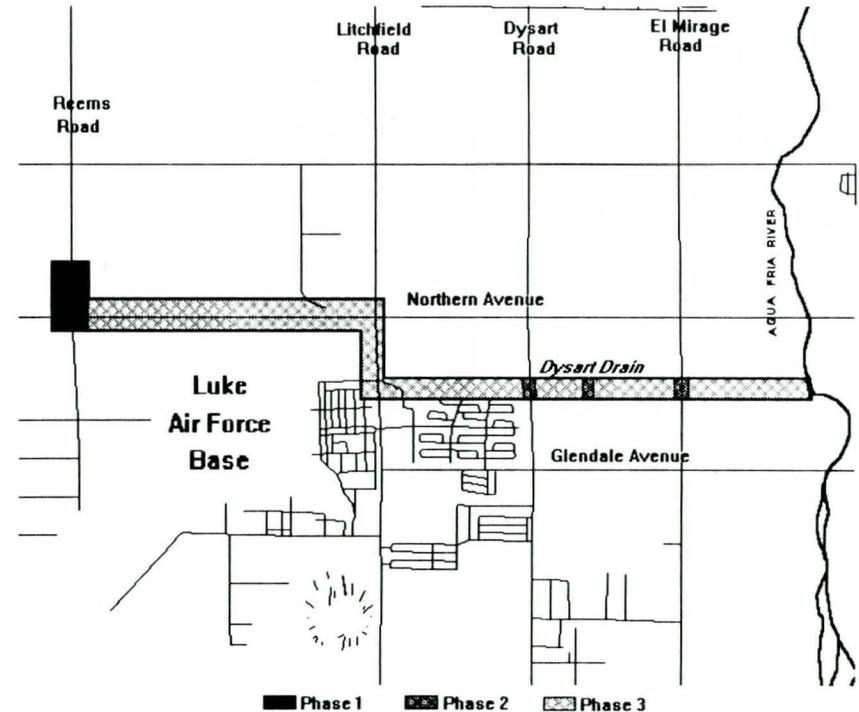
Supervisor District: 4

Township/Range: T3N R1W S32; T2N R1W S1-5

Project Name: Dysart Drain/Reems Road Connector

The project extends from Reems Road to the Agua Fria River along the north side of Luke Air Force Base (LAFB). Included are improvements to the existing channel and construction of a detention basin northwest of LAFB. The existing Dysart Drain channel no longer functions as designed because of land subsidence in the area, thereby causing the flooding of LAFB from relatively minor flows. The project will intercept and convey to the river the 100-year storm flows from north of LAFB.

The estimated total project cost is \$13,500,000, to be shared between the District and LAFB, with the LAFB cost share capped at \$6,000,000. Construction is to be completed in three phases. The Phase I basin and Phase II bridges will be completed in late 1995. Phase III channel improvements will be constructed during FY 96-97. LAFB will provide all operation and maintenance, with the exception of one collector channel feature.



WHITE TANKS ADMP (continued)

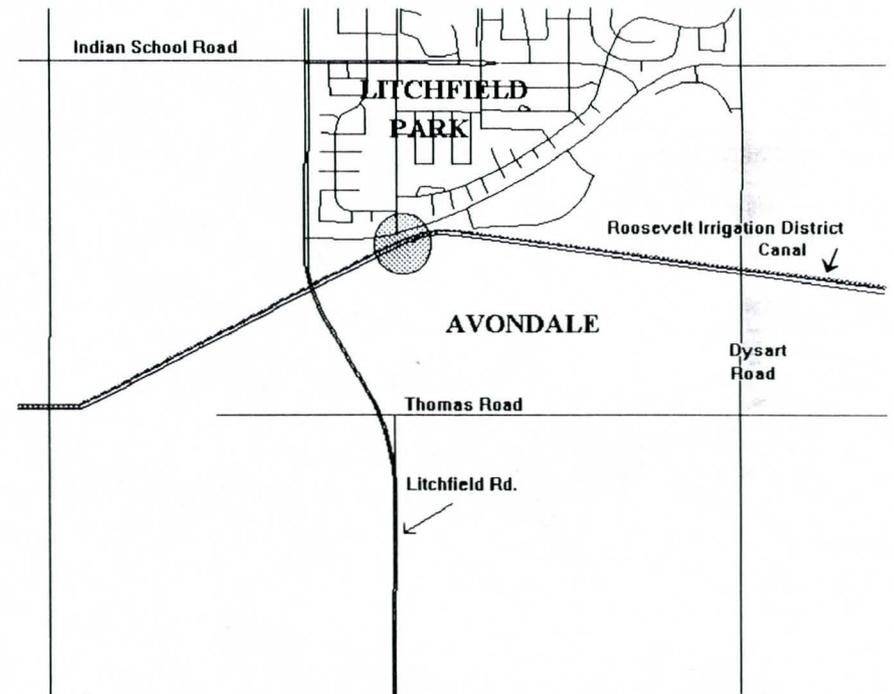
Activity Code: P6A470

Supervisor District: 4

Township/Range: T2N R1W S27

Project Name: RID Canal Overchute

This project includes a 100-year capacity (1500 cfs) overchute of the Roosevelt Irrigation District Canal at the Old Litchfield Road alignment that will tie into an existing channel built by SunCor. The project will provide an outfall for 1.6 square miles of existing development in Litchfield Park, Avondale and Goodyear and is a key element of the White Tanks/Agua Fria ADMS and the Litchfield Master Drainage Plan. The overchute will reduce/eliminate floodplain delineations in developed areas of Litchfield Park and Avondale. Total costs for the project are now estimated at \$1.6 million (previously \$535,000), due to upstream drainage improvements that will increase the amount of flow to the overchute. Alternatives identified during the project design estimate the District cost to be between \$800,000 and \$1,000,000. Litchfield Park and SunCor have already invested \$220,000 in the related side drainage and outfall channel. Litchfield Park will provide the future operations and maintenance for the overchute.



WHITE TANKS ADMP (continued)

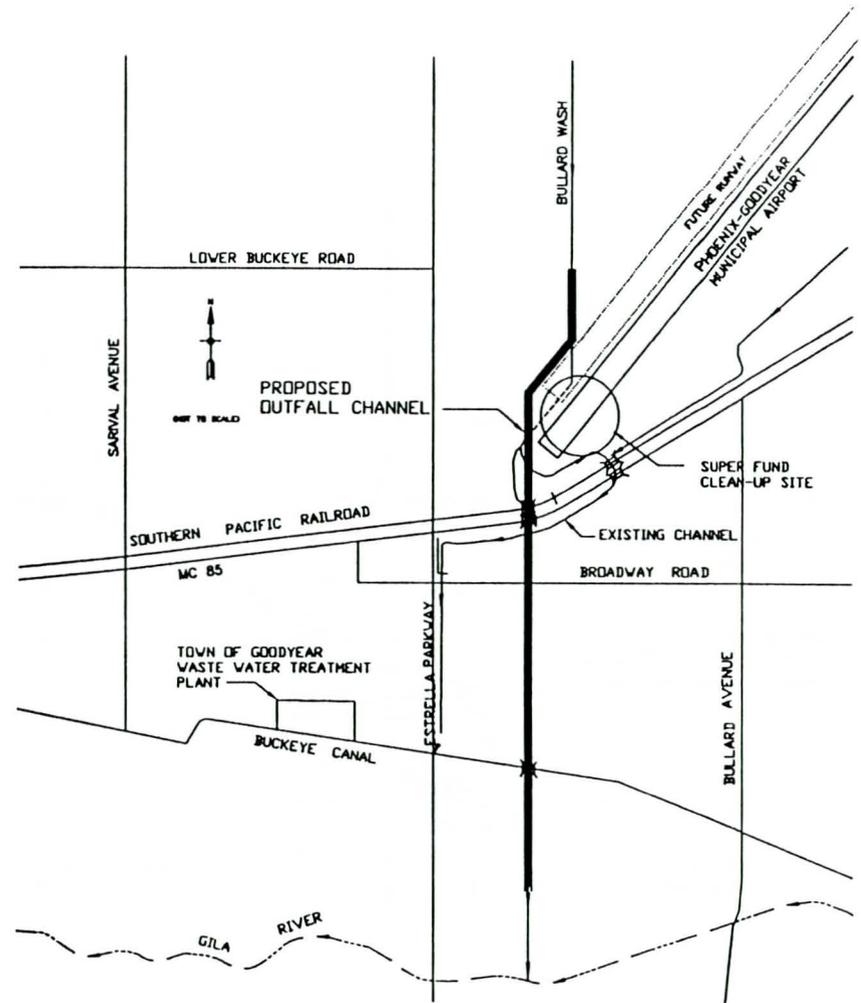
Activity Code: P6A470

Supervisor District: 4

Township/Range: T1N R1W S20, 29

Project Name: Bullard Wash Outfall Channel

The project, identified in the White Tanks/Agua Fria ADMS, includes a two-mile outfall channel from Lower Buckeye Road to the Gila River for the 100-year Bullard Wash flows (3,200 cfs). Existing structures and channels in the drainage corridor are inadequate and result in flows that overtop the Southern Pacific RR, MC 85 highway, and the Buckeye Irrigation District Canal. The project will reduce flood hazards for the City of Goodyear's waste water treatment plant, the Phoenix/Goodyear Airport, several hundred acres of agricultural land, the Palo Verde Nuclear Power Plant water supply pipeline, a sanitary sewer pipeline, and three petroleum pipelines. The project will also provide protection to clean-up facilities for a Superfund ground water contamination site and allow for coordination with MCDOT on two of its projects. A pre-design study has been completed, and total project costs are estimated at \$7.6 million. IGAs with the City of Goodyear will be initiated to establish cost sharing and O&M responsibilities.



QUEEN CREEK ADMP

Activity Code: P6A480

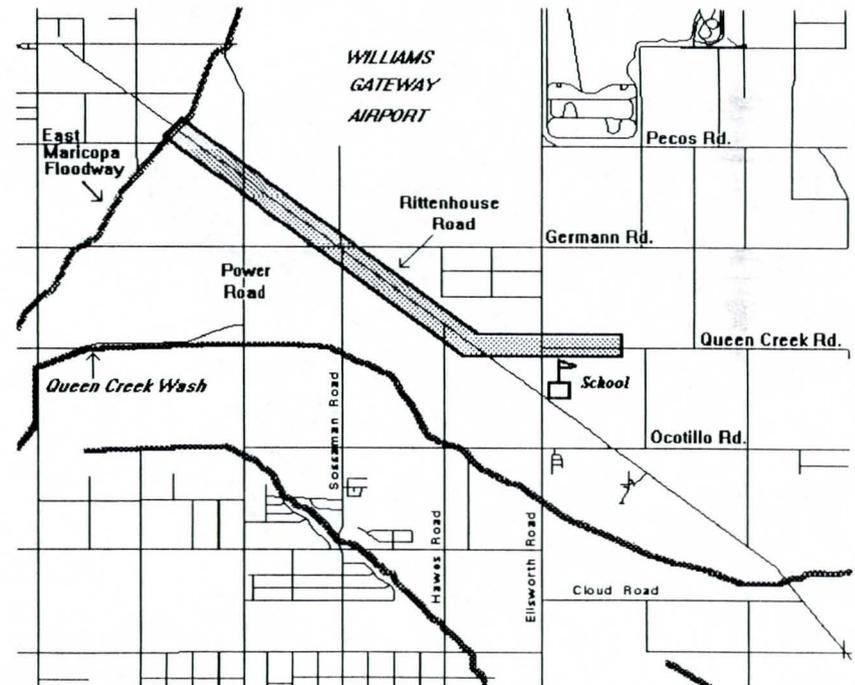
Supervisor District: 1

T/R: T1S R6E S36; T2S R6E S1; T2S R7E S6, 8-9, 15

Project Name: Rittenhouse Drainage Improvement

The project consists of an earthen channel adjacent to the Southern Pacific Railroad between the Queen Creek School east of Ellsworth Road and Queen Creek Roads and the East Maricopa Floodway west of Power Road, a distance of approximately six miles that includes portions of Queen Creek, Mesa and Gilbert. The channel will provide 100-year protection for the school, contain the FEMA 100-year floodplain, and provide an outfall for future storm drain construction. In accordance with an IGA, the Town of Queen Creek will acquire the project rights-of-way. Costs for construction are estimated at \$5.0 million (100% District).

Approximately \$650,000 in project costs have been saved through advance construction of a portion of the channel by the Air Force Base Conversion Agency near Williams Gateway Airport. This construction was completed by the Agency in exchange for the District's purchase of the necessary rights-of-way.



GILBERT/CHANDLER ADMP

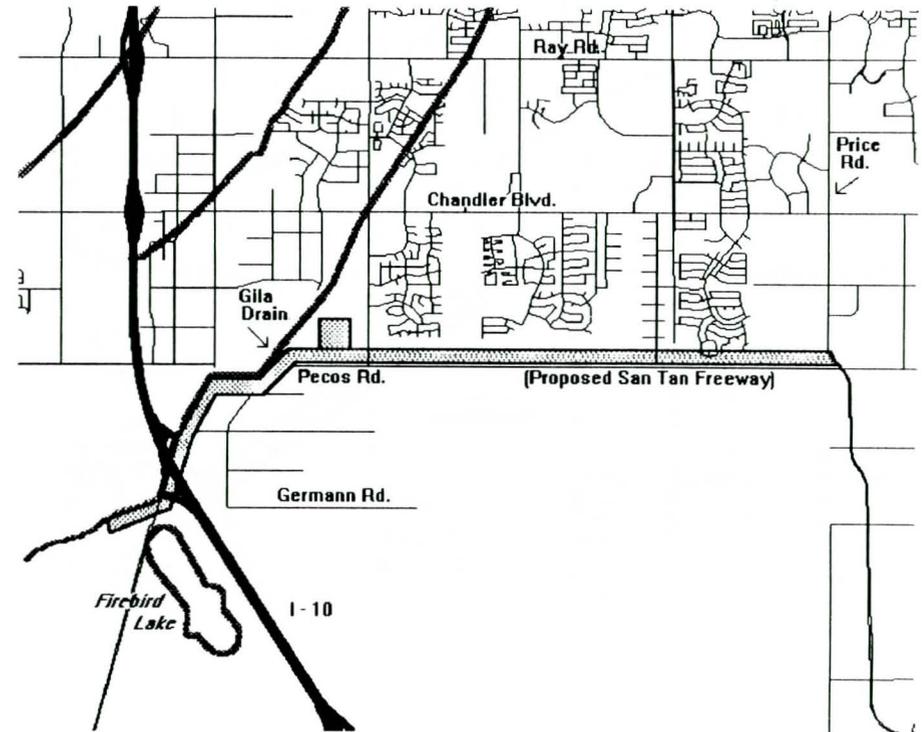
Activity Code: P6A490

Supervisor District: 1, 5

Township/Range: T1S R4E S33-36; T2S R4E S4-6

Project Name: Southeast Valley Regional Drainage System

The Southeast Valley Regional Drainage System (SEVRDS) includes a 100-year drainage system (900 to 2800 cfs) to be built within the Santan Freeway corridor between Price Rd. (E) and 56th St. (W) and a connecting channel from the basin near 56th St. to the Gila Drain Floodway west of I-10. When combined with contributing flows from the Price Freeway drainage system (south of Ray Road), the SEVRDS will intercept and convey municipal and freeway drainage from 58 square miles in Chandler, Tempe, Gilbert and Maricopa County. The project will also protect areas of the Gila River Indian Community (GRIC) located south of Pecos Road and west of Price Road from off-Community flows. The SEVRDS is addressed in the Gilbert/Chandler ADMS and is an integral component of Chandler's stormwater master plan. Total cost is estimated at \$23.8 million. Alternatives to the original concept are being developed in cooperation with ADOT, the GRIC, Chandler and SRP. The District's cost share is estimated at \$10.4 million. Chandler will provide interim O&M until the freeway is constructed by ADOT.



ACDC ADMP

Activity Code: P6A580

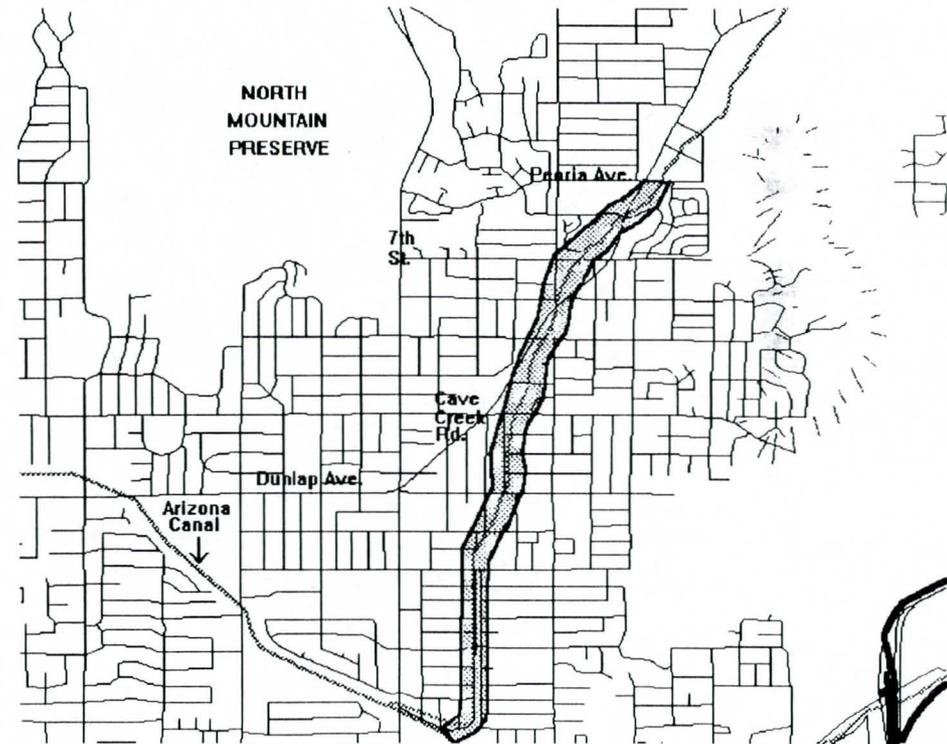
Supervisor District: 3

Township/Range: T3N R3E S28, 33

Project Name: 10th Street Wash Basins/Channel Study

10th Street Wash originates in the North Mountain Preserve and has a drainage area that encompasses 2.8 square miles. The wash flows to the south through an urbanized area in the Sunnyslope portion of Phoenix. Approximately 575 buildings (294 acres) are located within the delineated 100-year floodplain. The project has been separated into two phases. Phase I includes the design, rights-of-way acquisition, and construction of two detention basins that will reduce the floodplain approximately 70% and preparation of a Feasibility Study to develop alternative wash improvements to remove the remaining floodplain. Phase II will implement the channel improvements recommended in the Feasibility Study.

Total Phase I costs are estimated at \$5.25 million (100% District). The District is working with local residents and the City to develop locally-maintained, mixed-use applications within the basins. Phase I construction of the detention basins will begin in FY 95-96. Cost estimates for Phase II will be developed during the Feasibility Study.



ACDC ADMP (continued)

Activity Code: P6A580

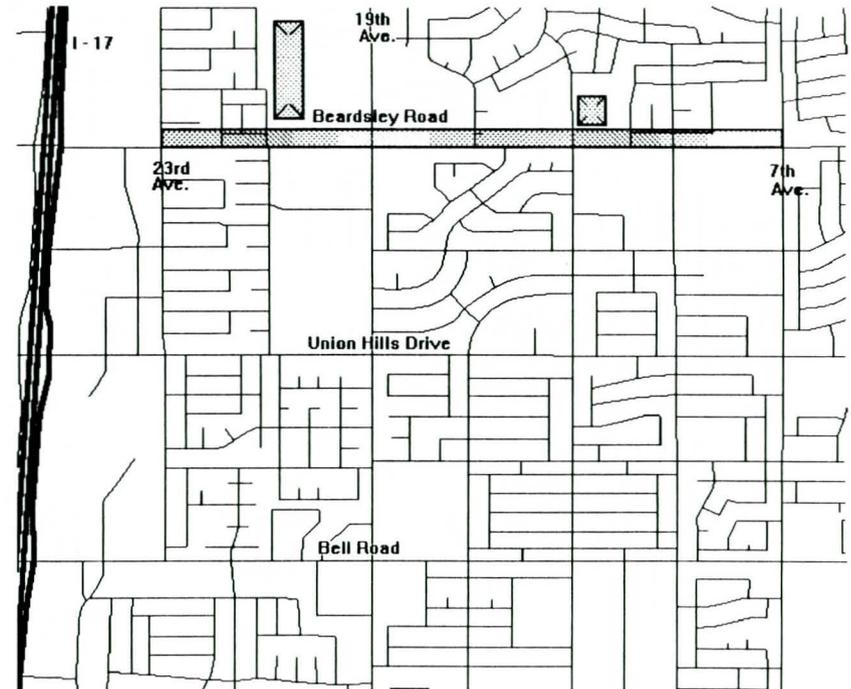
Supervisor District: 3

Township/Range: T4N R2E S24; T4N R3E S19-20

Project Name: Beardsley Rd. Regional Drainage-Phase I

This project includes a 100-year channel (2,800 cfs) and basins to intercept the southerly flows along Beardsley Rd./Loop 101 from 7th Avenue downstream to 23rd Avenue. The project will direct the flows westerly to outfall into an existing ADOT drainage system. Flood protection will be improved for a 4-square mile area containing over 1100 homes and commercial and public buildings. The project will route flows through basins, improving water quality and groundwater recharge potential.

The cost for the entire project is estimated at \$5.9 million (\$5.4 million by the District). The District is providing construction management, ADOT has provided contract plans and specifications, and the City of Phoenix will provide operations & maintenance. Construction of the project began in November 1994 and will be completed by November 1995.



ACDC ADMP (continued)

Activity Code: P6A580

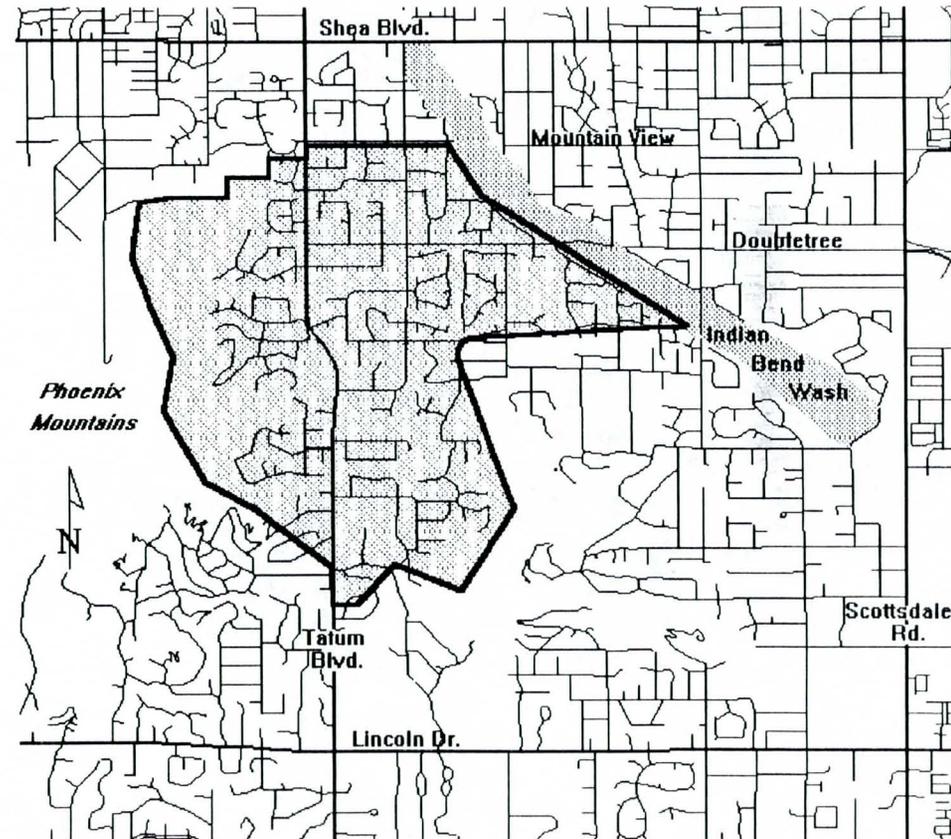
Supervisor District: 2

Township/Range: T3N R4E S28-29, 32-33

Project Name: Doubletree Ranch Road Drain

The Doubletree Ranch Road project will provide protection from the 100-year flood event for an 80+ % built out area located in the Town of Paradise Valley. Recent flooding problems in the area are the isolation of a grade school that becomes inaccessible during heavy rains, and the flooding of numerous homes adjacent to Doubletree Ranch Road. The watershed for the project area flows northeast from the Phoenix Mountain Preserve to Indian Bend Wash with the 100-year flood event equaling 2,700 cfs.

This project will be combined with improvements to Doubletree Ranch Road. Total estimated cost for the project is \$10.5 million. Pre-design study costs are \$300,000, and the design of preferred alternatives is estimated at \$250,000. Funding for these tasks will be provided entirely by the District. An Intergovernmental Agreement between the District and the Town of Paradise Valley will be developed to cost-share land and construction costs. The Town will provide O&M for the project.



ACDC ADMP (continued)

Activity Code: P6A580

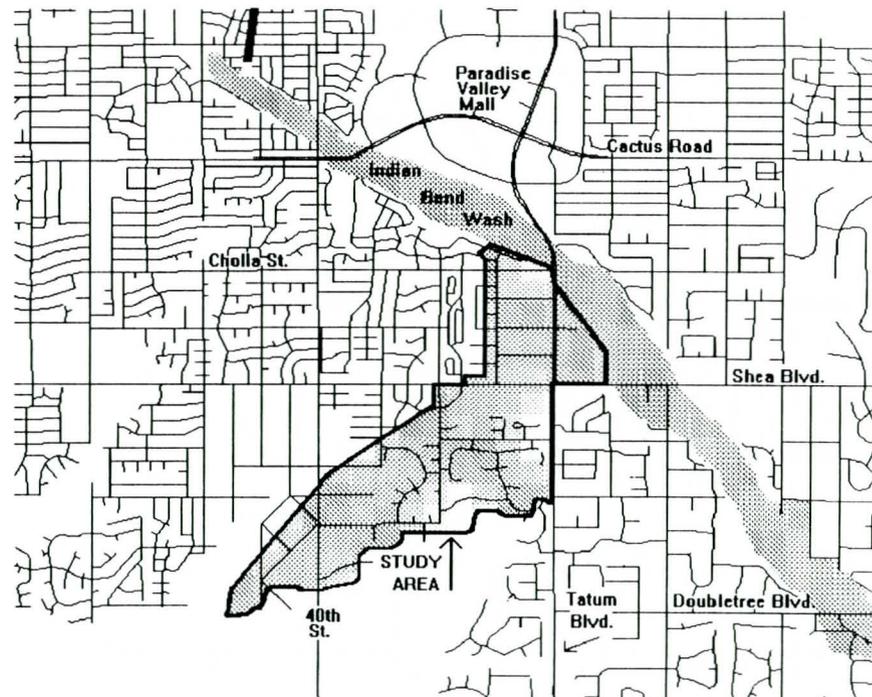
Supervisor District: 2, 3

T/R: T3N R3E S24-25, 36; T3N R4E S19-20, 29-30

Project Name: Tatum Wash Channel

The Tatum Wash project will provide protection from the 100-year flood event for a three-square mile area located within the City of Phoenix. Historically, even relatively minor storms have been able to cause flooding problems for homes located along Cholla Street. Approximately 350+ structures will be provided protection by this project. The watershed, which originates in the Phoenix Mountain Preserve and flows northeast to Indian Bend Wash, generates a 100-year peak discharge of approximately 2,000 cubic feet per second. The 100-year flood event causes 500 acres of developed residential and commercial property to be flooded. A system of detention basins and channels will be used to accomplish the goals of this project, which will also improve flood protection to downstream reaches of the constructed Indian Bend Wash project.

Total costs are estimated at \$10 million. A majority of the funding is assumed to be provided by the District, with O&M responsibilities not yet determined.



CAVE CREEK WASH IMPROVEMENTS

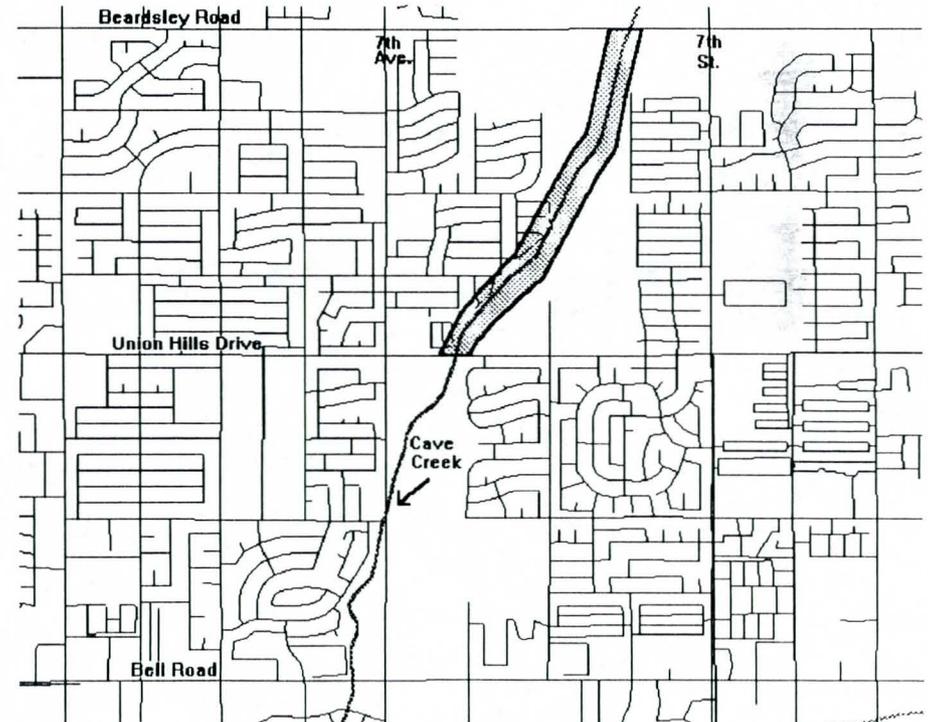
Activity Code: 6A600

Supervisor District: 3

Township/Range: T4N R3E S29, 32

Project Name: Cave Creek Improvements

Cave Creek is a natural wash that begins in the New River Mountains. It flows southwest toward Cave Buttes Dam, which controls 191 square miles of drainage area. Principal discharges from Cave Buttes Dam are released back into Cave Creek where they flow to the ACDC project. As part of the 221 Agreement with the Federal Government, the District is to "...take whatever action is necessary to manage and maintain the designated floodways ... so as to assure the unobstructed passage of floodwaters of the 100-year floods." The District proposes to cost-share the Cave Creek Wash Improvements with the City of Phoenix between Beardsley Road and Bell Road. The District will pay for the design and construction of Reach 1, Beardsley Road to Union Hills Drive. The City has constructed Reach 2, Union Hills Drive to Bell Road, and will provide rights-of-way for Reach 1. It is anticipated that the District will operate and maintain both reaches after completion. The estimated cost to the District for Reach 1 is \$3.2 million. Funding for only the design work is provided in FY 98-99.



MARYVALE ADMP

Activity Code: P6A620

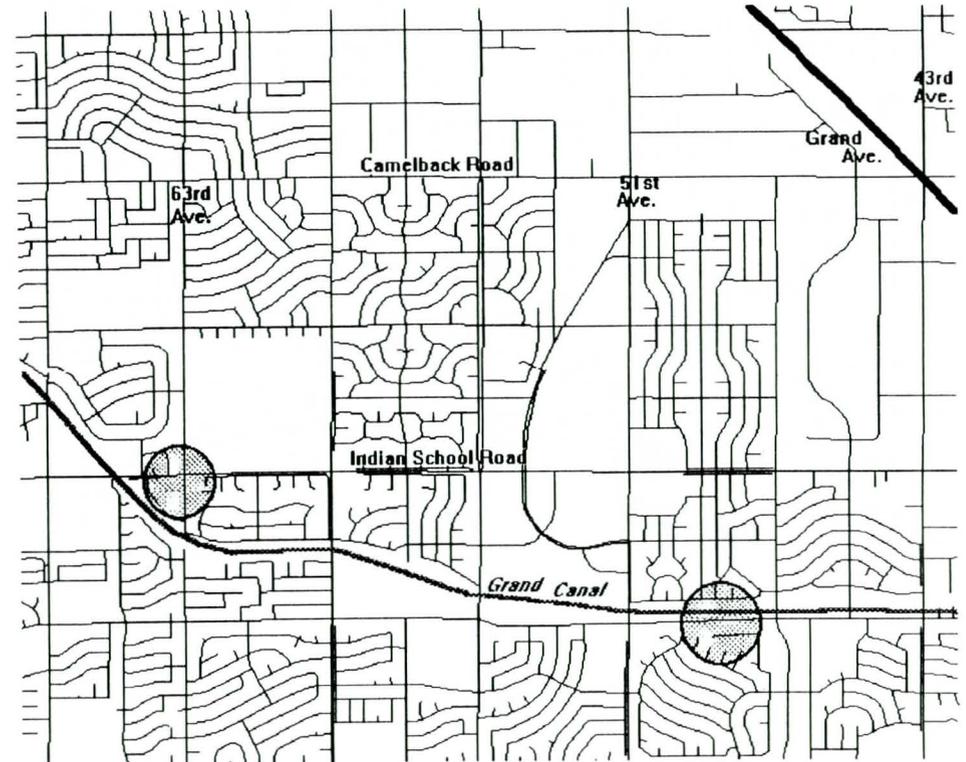
Supervisor District: 5

Township/Range: T2N R2E

Project Name: Maryvale Flooding Mitigation Project

The City of Phoenix requested inclusion of a series of detention basins upstream of the Grand Canal, which blocks overland flow, in the District's 5-Year CIP. The City's request encompasses an area of approximately eight square miles which contains over 3200 homes and businesses.

The current CIP project addresses the flooding problems at two locations that lie within the Maryvale ADMS boundary. These locations are: 1) 47th Drive and Crittenden Lane; and, 2) 64th Drive and Sunset Drive. A pre-design study to determine solutions to the flooding problem began in March of 1995. The design of the recommended solution is scheduled to commence in late 1995-96. Costs for pre-design and design activities are estimated at \$250,000 (100% District). Construction costs and O&M responsibilities remain undefined. The basins may be used in future park developments.



UPPER INDIAN BEND WASH (UIBW) ADMP

Activity Code: P6A680

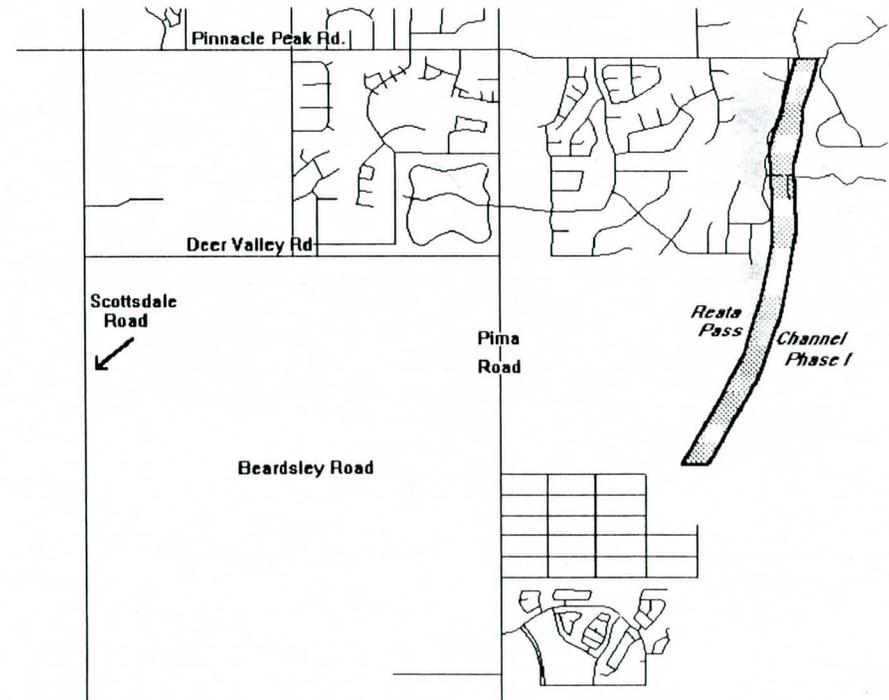
Supervisor District: 2

Township/Range: T4N R5E S8, 17, 20, 29, 32

Project Name: Reata Pass Channel

This project includes a 100-year channel (11,500-16,700 cfs) between Pinnacle Peak Road and the Central Arizona Project canal detention basin at Westworld that will protect 750 homes and 760 multi-family units from flows 1-3' deep. The project is a major component of the UIBW ADMP and will allow for future removal of 8.5 square miles of 100-year floodplain. Flows will be conveyed into regional detention basins allowing, for potential recharge and water quality enhancements. The project is planned to provide a future recreational corridor connecting the Westworld area with the McDowell Mountains. The Reata Pass Channel also reduces drainage requirements along the Pima Road and Loop 101 corridors.

Total costs are estimated at \$13.3M, with 50% by the District. Phase I channel design has begun under an IGA with Scottsdale. The City will provide for future operations and maintenance of the constructed features.



UPPER INDIAN BEND WASH (UIBW) ADMP (continued)

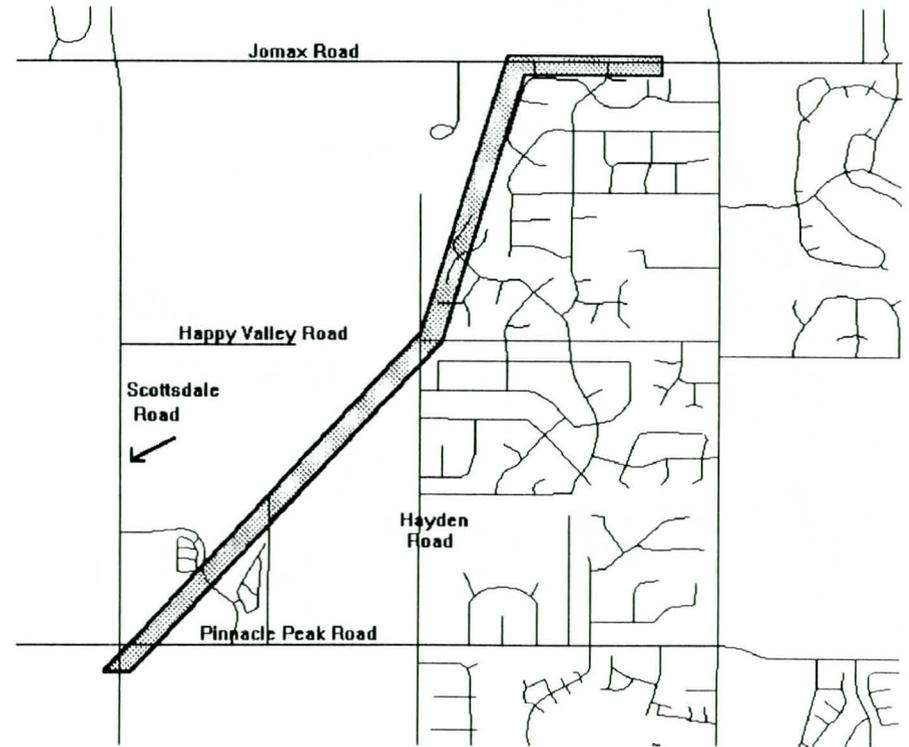
Activity Code: P6A680

Supervisor District: 2

Township/Range: T4N R4E S1-2, 11, 14

Project Name: Rawhide Wash Improvements

The current project option includes a 100-year channel (11,000 cfs) between Jomax Road and Pinnacle Peak Road that will protect 240 homes, 25 commercial structures and a 160-acre theme park from flows 1-3' deep. A second option being considered is a large detention basin facility on property owned by the State Land Department north of Jomax Road. This option would potentially eliminate the need for large-scale channel improvements downstream to the CAP. The project will allow for future removal of 4.5 square miles of 100-year floodplain in Scottsdale and 6.1 square miles in Phoenix. Under either project scenario, flows will be conveyed into a regional detention basin upstream of the CAP canal, which will allow for potential recharge and water quality enhancements. The project is also planned to serve future recreational needs. Total costs for the project are estimated at \$14.4 million for the channel option (to Pinnacle Peak Road only) and \$15.6 million for the detention basin option. Funding and maintenance responsibilities may vary substantially between the two options.



UPPER INDIAN BEND WASH (UIBW) ADMP (continued)

Activity Code: P6A680

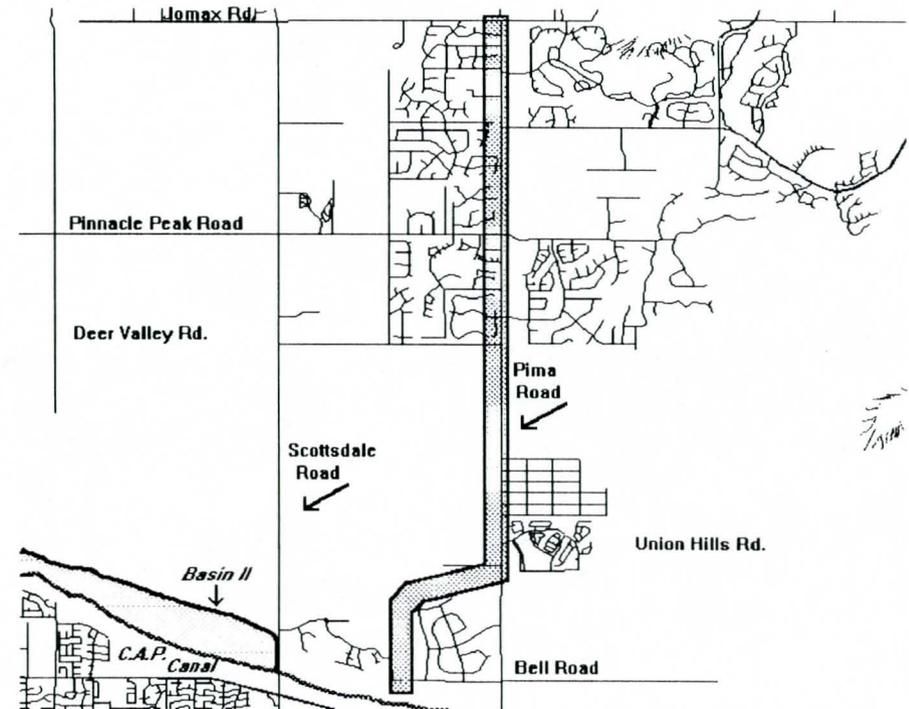
Supervisor District: 2

T/R: T4N R4E S24-25, 36; T4N R5E S6-7, 18-19

Project Name: Pima Road Channel

This project includes a 100-year channel (6,100 cfs) between Jomax Road and the CAP detention basin at the TPC Golf Course that will protect 1250 homes, 40 commercial structures and a water treatment plant from flows < 1' deep originating in a watershed of seven square miles. The project is a major component of the UIBW ADMP. Flows will be conveyed into a regional detention basin allowing for potential recharge and water quality enhancements. The project is planned to serve future recreational needs. The channel also reduces drainage requirements along the Pima Road and Loop 101 corridors.

Total costs for the project are estimated at \$28.1 million, with up to 50% by the District. Phase I channel design has begun under an IGA with Scottsdale for the area between the CAP and Deer Valley Road. The City will provide for future operations and maintenance of the constructed features.



Appendix C: Status Report on FY 94/95 and FY 95/96 Prioritization Procedure*

* The majority of the financial data provided in this appendix is based on cost estimates submitted during the CIP Prioritization Procedure. These figures may differ from those shown in Appendix A, due to projects extending beyond the current 5-Year CIP or due to the availability of more recent District-generated cost estimates.

Appendix C

Summary of CIP Project Recommendations Based on Prioritization Procedure for FY 94/95 and 95/96						
		City/Town	Estimated Total Cost	Remaining FCD Cost	Score	Projected Fiscal Year(s)
I.	Continuing CIP Projects					
I.A.	Land Acq. and/or Construction ongoing:					
I.A.1	<i>10th St. Wash - Phase I</i>	Phoenix	\$6,000,000	\$3,884,000	N/A	95/96 - 96/97
I.A.2	<i>84th St./Cholla Basin & Storm Drain</i>	Scottsdale	\$1,700,000	\$400,000	N/A	95/96
I.A.3	<i>Beardsley Rd. RDS - Phase I</i>	Phoenix	\$13,140,000	\$799,000	N/A	95/96
I.A.4	<i>Cactus Rd. Storm Drain</i>	Peoria/Glendale	\$9,500,000	\$5,428,000	N/A	95/96 - 97/98
I.A.5	<i>Casandro Wash Dam and Outlet</i>	Wickenburg	\$4,000,000	\$3,160,000	N/A	95/96
I.A.6	<i>Dysart Drain/Reems Rd. Connector</i>	Glendale	\$13,500,000	\$4,367,000	N/A	95/96 - 97/98
I.A.7	<i>Laveen ADMP (Partial)</i>	Phoenix/U.C.	\$1,031,000	\$530,000	N/A	95/96
I.A.8	<i>Northern/Orangewood Storm Drain</i>	Glendale/Peoria	\$16,500,000	\$7,898,000	N/A	95/96 - Undet.
I.A.9	<i>Old Cross Cut Canal</i>	Phoenix	\$27,964,000	\$20,325,000	N/A	95/96 - 99/00
I.A.10	<i>Price Drain</i>	Mesa/Chandler	\$40,000,000	\$1,761,000	N/A	96/97 - 97/98
I.A.11	<i>Reata Pass Channel</i>	Scottsdale	\$13,346,000	\$5,867,000	N/A	95/96 - Undet.
I.A.12	<i>Salt River Channel (McClintock to Price)</i>	Tempe	\$13,500,000	\$4,500,000	N/A	95/96
I.A.13	<i>Salt/Gila Control Works</i>	FCD/U.C.	\$1,800,000	\$1,500,000	N/A	95/96 - 97/98
	Subtotal for I.A		\$161,981,000	\$60,419,000		

Appendix C

Summary of CIP Project Recommendations Based on Prioritization Procedure for FY 95/96						
		City/Town	Estimated Total Cost	Remaining FCD Cost	Score	Projected Fiscal Year(s)
I.	Continuing CIP Projects					
I.B	IGA/Board Approval Complete and Design Complete:					
I.B.1	Rittenhouse Channel	Q. Crk./Mesa/Gil.	\$5,296,000	\$5,090,000	66	96/97 - 97/98
I.B.2	White Tanks #4 Inlet	FCD/Buckeye	\$3,100,000	\$3,100,000	50	95/96 - Undet.
I.B.3	White Tanks #3 FRS Modification	FCD/U.C.	\$700,000	\$700,000	41	Undet.
	<i>Subtotal for I.B</i>		\$9,096,000	\$8,890,000		
I.C	IGA/Board Approval for Design Complete and Design Ongoing:					
I.C.1	<i>Pima Road Channel (Phase I - Lower)</i>	Scottsdale	\$19,320,000	\$9,310,000	72	97/98 - Undet.
	<i>Subtotal for I.C</i>		\$19,320,000	\$9,310,000		
I.D	IGA/Board Approval Ongoing:					
I.D.1	<i>Overchute of RID</i>	Litchfield Park	\$934,000	\$800,000	66	95/96
I.D.2	Camelback Ranch Channelization	Phoenix	\$4,519,000	\$4,430,000	53	95/96 - 97/98
I.D.3	<i>SE Valley Reg. Drainage System</i>	Chandler	\$23,800,000	\$10,400,000	70	96/97 - 99/00
I.D.4	Arcadia Area Drainage Project	Phoenix	\$12,000,000	\$6,000,000	59	95/96 - Undet.
	<i>Subtotal for I.D</i>		\$41,253,000	\$21,630,000		
	Total for I.A-I.D		\$231,650,000	\$100,249,000		

Appendix C

Summary of CIP Project Recommendations Based on Prioritization Procedure for FY 95/96						
		City/Town	Estimated Total Cost	Remaining FCD Cost	Score	Projected Fiscal Year(s)
II.	Potential CIP Projects					
II.A Pre-Design Initiated FY 94-95:						
II.A.1	<i>Rawhide Wash Channel</i>	Scottsdale	\$14,420,000	\$7,210,000	75	99/00 - Undet.
II.A.2	<i>Pima Road Channel (Phase II - Upper)</i>	Scottsdale	\$8,800,000	\$4,400,000	72	99/00 - Undet.
II.A.3	<i>Laveen ADMP (Partial)</i>	Phoenix/U.C.	\$12,000,000	\$12,000,000	70	98/99 - Undet.
II.A.4	<i>Grand Canal Detention Basins</i>	Phoenix	\$30,000,000	\$30,000,000	64	98/99 - Undet.
II.A.5	<i>Skunk Creek Improvements</i>	Glendale/Peoria	\$10,000,000	\$5,000,000	60	98/99 - Undet.
II.A.6	<i>Guadalupe Improvements</i>	FCD/Guadalupe	\$200,000	\$200,000	59	99/00 - Undet.
II.A.7	<i>46th St./Shea Blvd. Channel</i>	Phoenix	\$10,000,000	\$10,000,000	56	95/96 - Undet.
II.A.8	<i>Doubletree Ranch Rd. Drain</i>	P. Valley	\$10,500,000	\$10,500,000	53	97/98 - Undet.
	<i>Subtotal for II.A</i>		\$95,920,000	\$79,310,000		
II.B Begin IGA/Board Approval if Additional Funds Become Available:						
II.B.1	<i>91st Ave. Flood Mitigation</i>	Phoenix	\$2,600,000	\$2,600,000	58	To be Determined
	<i>Subtotal for II.B</i>		\$2,600,000	\$2,600,000		
II.C Exception to Fiscal Policy:						
II.C.1	<i>Upper New River Flood Mitigation</i>	FCD/U.C.	\$2,200,000	\$2,200,000	57	95/96
	<i>Subtotal for II.C</i>		\$2,200,000	\$2,200,000		

Appendix C

Summary of CIP Project Recommendations Based on Prioritization Procedure for FY 95/96

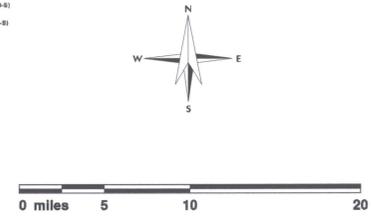
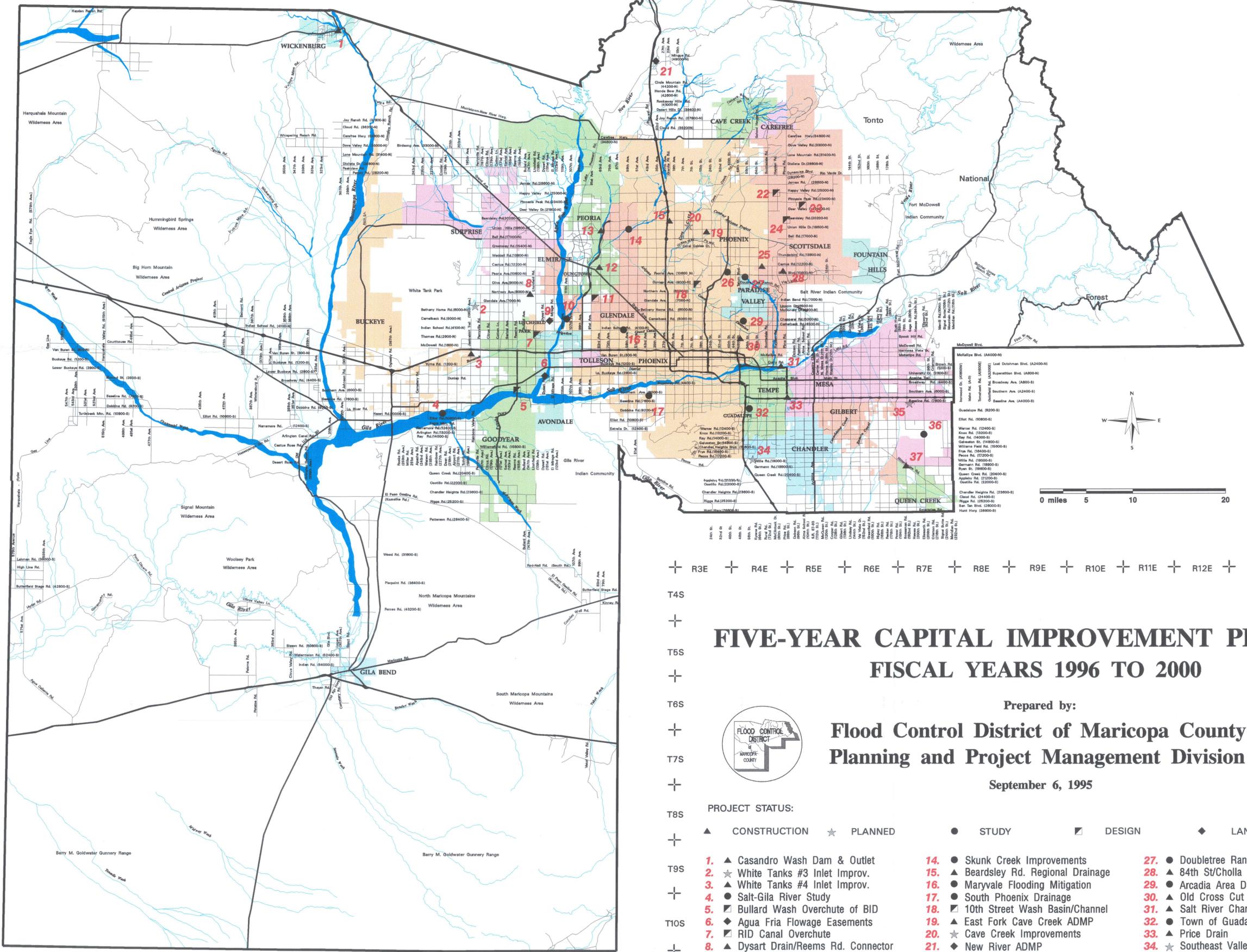
		City/Town	Estimated Total Cost	Remaining FCD Cost	Score	Projected Fiscal Year(s)
II.	Potential CIP Projects					
II.D	Pre-Design Recommended (not initiated):					
II.D.1	SW Scottsdale Flood Control Project	Scottsdale	\$13,500,000	\$6,750,000	72	To be Determined
II.D.2	<i>91st Ave./Union Hills Improvements</i>	Peoria	\$3,700,000	\$2,500,000	65	To be Determined
II.D.3	<i>48th St./Chandler Blvd. Channel</i>	FCD/Phoenix	\$2,000,000	\$2,000,000	63	To be Determined
II.D.4	East PVSP Project	Scottsdale	\$3,318,000	\$1,659,000	63	To be Determined
II.D.5	Hayden/Shea Flood Control Project	Scottsdale	\$4,600,000	\$2,300,000	63	To be Determined
II.D.6	East Shea Reg. Flood Control Project	Scottsdale	\$4,339,000	\$2,169,500	62	To be Determined
II.D.7	<i>Cave Creek Basin & Channel</i>	FCD/Phoenix	\$2,160,000	\$2,160,000	59	To be Determined
II.D.8	South. Pacific RR Drainage Improvements*	Tolleson	\$1,500,000	\$1,500,000	59	To be Determined
II.D.9	Dreamy Draw Wash East and West**	Phoenix	\$8,000,000	\$8,000,000	58	To be Determined
II.D.10	Bethany Home Rd. Outfall Drain	Glendale	\$15,150,000	\$11,362,500	56	To be Determined
II.D.11	<i>Apache Trail at CAP</i>	FCD/U.C.	\$4,000,000	\$4,000,000	53	To be Determined
II.D.12	Myrtle Avenue Wash**	Phoenix	\$3,000,000	\$3,000,000	53	To be Determined
II.D.13	<i>Ellsworth/Germann Collector Channel</i>	Mesa	\$2,650,000	\$2,650,000	51	To be Determined
II.D.14	Flynn Lane Wash**	Phoenix	\$5,000,000	\$5,000,000	51	To be Determined
II.D.15	Van Buren St. Drain. Improvements*	Tolleson	\$1,000,000	\$1,000,000	43	To be Determined
	<i>Subtotal for II.D</i>		\$73,917,000	\$56,051,000		
	Total for II.A-II.D		\$174,637,000	\$140,161,000		
	Total for I and II		\$406,287,000	\$240,410,000		

Projects with * and ** are linked under single pre-design study recommendations due to their geographic proximity.
Projects in *Italics* were requested during the FY 94-95 CIP Prioritization Procedure.

R10W R9W R8W R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E R9E R10E R11E R12E

T7N
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FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

FISCAL YEARS 1996 TO 2000

Prepared by:
Flood Control District of Maricopa County
 Planning and Project Management Division

September 6, 1995

PROJECT STATUS:

- ▲ CONSTRUCTION ☆ PLANNED ● STUDY □ DESIGN ◆ LAND ACQUISITION

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> 1. ▲ Casandro Wash Dam & Outlet 2. ☆ White Tanks #3 Inlet Improv. 3. ▲ White Tanks #4 Inlet Improv. 4. ● Salt-Gila River Study 5. □ Bullard Wash Overchute of BID 6. ▲ Agua Fria Flowage Easements 7. □ RID Canal Overchute 8. ▲ Dysart Drain/Reems Rd. Connector 9. ● Colter Channel 10. ● Camelback Ranch 11. □ Northern/Orangewood Storm Drain 12. ▲ Cactus Road Storm Drain 13. ▲ 83rd Ave/Union Hills Dr. | <ul style="list-style-type: none"> 14. ● Skunk Creek Improvements 15. ▲ Beardley Rd. Regional Drainage 16. ● Maryvale Flooding Mitigation 17. ● South Phoenix Drainage 18. □ 10th Street Wash Basin/Channel 19. ▲ East Fork Cave Creek ADMP 20. ☆ Cave Creek Improvements 21. ◆ New River ADMP 22. □ Rawhide Wash Channel 23. ▲ Reata Pass Channel 24. □ Pima Road Channel 25. ▲ PVSP Cactus Rd. Improv. 26. ● Tatum Wash Channel | <ul style="list-style-type: none"> 27. ● Doubletree Ranch Rd. Improv. 28. ▲ 84th St/Cholla Basin & Drain 29. ● Arcadia Area Drainage Project 30. ▲ Old Cross Cut Canal 31. ▲ Salt River Channel 32. ● Town of Guadalupe 33. ▲ Price Drain 34. ☆ Southeast Valley Reg. Drainage 35. ☆ Sossaman Channel 36. ● Southeast Mesa ADMP 37. ▲ Rittenhouse Drainage Improv. |
|--|--|---|

R10W R9W R8W R7W R6W R5W R4W R3W R2W R1W R1E R2E R3E R4E R5E R6E R7E R8E R9E R10E R11E R12E