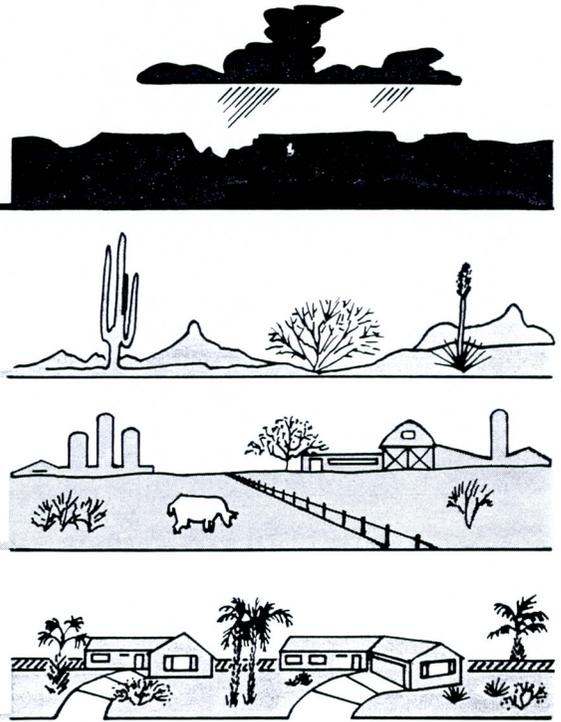


FLOOD CONTROL  
DISTRICT OF  
MARICOPA COUNTY

A REPORT ON FLOODING  
DAMAGES TO THE  
SALT-GILA RIVER  
JANUARY 1993 FLOOD

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A REPORT ON FLOODING  
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SALT-GILA RIVER  
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101010

**AN ESTIMATE OF  
FLOODING DAMAGES TO THE SALT-GILA RIVER  
BETWEEN 91ST AVENUE AND GILLESPIE DAM  
RESULTING FROM THE JANUARY 1993 FLOODING**

**A Staff Report Prepared By:  
The Planning Branch of the  
Planning and Project Management Division,  
The Construction And Operations Division,  
and the Administration Division  
Of The  
Flood Control District of Maricopa County**

**July 1, 1994**



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## 1 Introduction

This report is prepared for the Federal Emergency Management Agency and the State of Arizona Department of Emergency and Military Affairs, Arizona Division of Emergency Management for the purpose of estimating costs to prepare a final Damage Survey Report (DSR) for a Flood Control District project in the 36-mile segment of the Salt-Gila River between 91st Avenue and Gillespie Dam in Maricopa County, Arizona. In its preparation, information from over 50 contract files, accounting records, contract bid tabulations, work orders, and other documents was reviewed, compiled, and verified.

The project for which repair costs have been estimated in this report is the Salt-Gila 1000-foot Clearing and Pilot Channel. The Flood Control District had studied, designed, constructed, and maintained this multi-million dollar project from 1979 to 1992.

### 1.1 Executive Summary

It is evident that as a result of 1993 flooding, the riverbed has scoured outside the project corridor to the point that the location of the clearing boundary cannot be easily identified in long segments of the river. To restore the project, the corridor boundary needs to be re-established, the re-growth of Salt Cedar needs to be controlled, the pilot channels need to be re-excavated, and access must be regained. These general tasks were further divided into ten discrete "cost categories" as reflected in Table 1.1. Since the costs were incurred throughout the approximate 14-year life of the project, they have been brought to June 1994 current dollars.

|                                          |                                    |                          |                                 |                                       |
|------------------------------------------|------------------------------------|--------------------------|---------------------------------|---------------------------------------|
| (1)<br>Environmental<br>Permitting       | (2)<br>Environmental<br>Mitigation | (3)<br>Debris<br>Removal | (4)<br>Clearing and<br>Grubbing | (5)<br>Earthwork for<br>Open Channels |
| \$558,404                                | \$5,420,808                        | \$82,141                 | \$1,529,017                     | \$3,937,662                           |
| (6)<br>Engineering Studies<br>and Design | (7)<br>Contract<br>Administration  | (8)<br>Surveying         | (9)<br>Access Roads             | (10)<br>Management<br>Policy Study    |
| \$522,656                                | \$534,173                          | \$1,311,225              | \$671,091                       | \$600,000                             |
| <b>Total</b>                             |                                    |                          |                                 | <b>\$15,167,177</b>                   |

**Table 1.1**  
**Project Re-establishment Estimate Summary.**  
(adjusted to June 1994 dollars).

Adjustments to contract costs in categories (4), (5), and (8) have been made. For cost category (4), we accounted for the fact that resumed clearing and grubbing of Salt Cedar will require a lower level of effort than when originally undertaken. A detailed explanation is provided in Section 3.4.

Field reconnaissance and review of pre-flood, winter 1993 post-flood, and summer 1993 post-flood aerial mapping indicates an approximate 80 percent destruction of the project's earthwork and channels, cost category (5). This fact is recognized in our estimating of costs in this category. However, as Section 3.5 points out, only 20.9 miles of pilot channel were excavated. We feel that 26.9 miles will need to be excavated in the future. Table 1.1 reflects 100 percent of the incremental cost for excavating the additional six miles added to the 80 percent of the cost for the 20.9 miles.

The incurred costs for construction surveying, in cost category (8), were increased by nearly 50 percent to account for the surveying of the 26.9 miles of excavated pilot channel that is proposed above. No similar adjustments apply to any of the other seven cost categories.

To bring original project costs to current dollars, Capital Amount Factors (CAF) were determined for each fiscal year (FY) of the project; FY 1979/80 to FY 1992/93. The CAF for FY 1992/93 was used for FY 1993/94 to allow the costs to be brought to present value. Each of the ten cost categories in Table 1.1 have been calculated separately in Section 3.

Most of the costs in each category are a collection of many contracts. Supporting documentation is found in Appendix A, economic analysis computation procedures are detailed in Appendix B, and costs summaries are detailed in Appendix C.

## 1.2 Methodology

The methodology used in preparing this report was to first obtain and compile Flood Control District filed records of incurred costs for the cost categories shown in Table 1.1. Incurred costs occurred in only seven of the ten cost categories. The compiled data from these records produced Tables 3.1.1, 3.2.1, 3.4.1, 3.5.1, 3.6.1, 3.6.2, 3.7.1, and 3.8.1. The present value total of these tables is \$6,937,167. These eight tables account for the incurred costs in categories (1), (2), (4), (5), (6), (7), and (8). The other three cost categories, (3), (9), and (10) were not directly incurred in the original project. From this initial methodology, District staff set out to modify tables, adjust costs, develop costs for categories (3) and (9), include additional costs in categories (8), and account for the cost of the Management Policy Study to arrive at the final amount of \$15,167,177. Appendix C includes a summary of the methodology that develops the final cost of \$15,167,177 from the initial incurred project cost of \$6,937,167. All of the costs in the methodology summary are in June 1994 dollars.

The first modification was to Tables 3.1.1 and 3.2.1. This modification was necessary because those two tables do not reflect the true potential costs of environmental documentation and environmental mitigation, respectively. The results of the modifications are the new Tables 3.1.2 and 3.2.2. Tables 3.1.2 and 3.2.2 replace Tables 3.1.1 and 3.2.1. The seven cost categories then sum to \$12,476,940.

The second modification was in cost categories (4) and (5). As mentioned in the Executive Summary and explained in Sections 3.4 and 3.5, costs in these categories required adjustment. The adjustments added \$195,005 to Tables 3.4.1 and 3.5.1 bringing the sum to \$12,671,945.

The next modification was to adjust Table 3.8.1 and complete cost category (8) by including Tables 3.8.2 and 3.8.3. In Table 3.8.2, staff determined the costs of completing a boundary survey for the project. In Table 3.8.3, the costs of topographic surveying were determined, (see footnote 14). These two tables and the adjustment to Table 3.8.1 sum to \$1,142,001. The complete cost of the seven cost categories (1), (2), (4), (5), (6), (7), and (8) is \$13,813,946.

To complete the accounting of all of the costs necessary to re-establish the project, the costs of debris removal, access roads, and the Management Policy Study were included. These are cost categories (3), (9), and (10), respectively. The total of these three categories was \$1,353,231, which when added to \$13,813,946 brings the total cost to replace the 1000-foot Corridor and Pilot Channel project to \$15,167,177.

## 2 Project Background

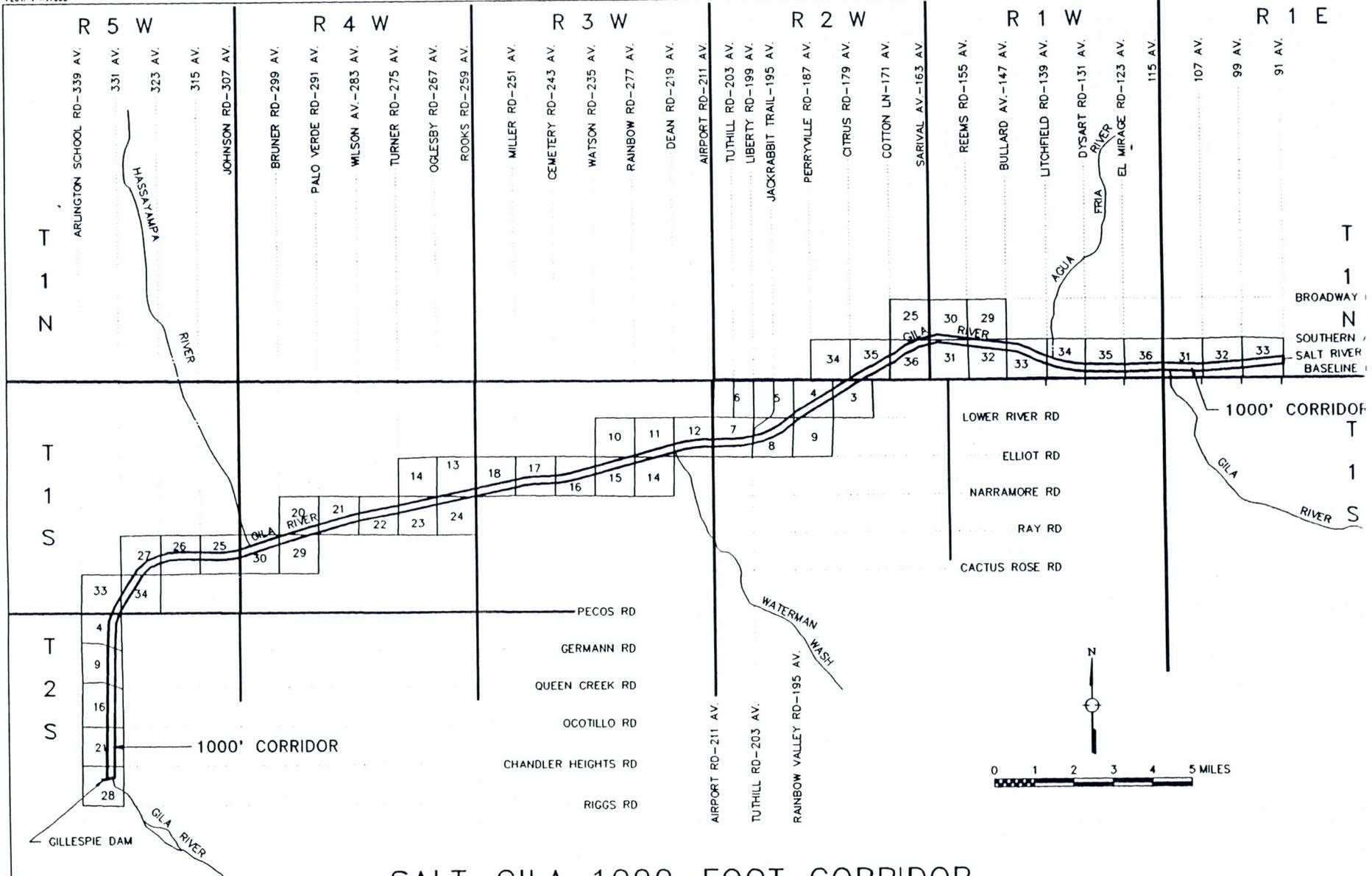
The Flood Control District began work on this project following the two major floods; February to March 1978 and December 1978 to January 1979. The initial contract was for vegetation clearing upstream of Gillespie Dam. That contract was terminated in June 1980 due to the February 1980 flood. After this, the third flood in two years, the Flood Control District, with the strong support and urging of local citizens, began work on establishing a project to alleviate the damaging effects of flooding. The District organized a large committee comprised of local citizens, State and Federal regulatory agencies, local politicians, environmental groups, and District staff to develop a project. The result of the committee's action was a negotiated 1000-foot wide corridor extending 36 miles<sup>1</sup> from 91st Avenue to Gillespie Dam, (see Figure 2.1).

Within this corridor, most non-native phreatophyte growth would be removed while preserving native stands of cottonwoods and willows. At the time the project was being developed, there were no Clean Water Act Section 404 permit requirements for vegetative removal within "Waters of the United States." However, the National Environmental Policy Act (NEPA) process was followed with the sponsorship of the U. S. Fish & Wildlife Service (USF&WS). The NEPA process ultimately required an Environmental Impact Statement (EIS) to be drafted and later, with the expansion of the project to include the pilot channel, the EIS was amended and a 404 permit for excavation and placement of fill was required and

---

<sup>1</sup> The actual length of the corridor is 35.8 miles. For consistency between the various cost categories, 35.8 miles will be used as the actual project length throughout the report.

4



**SALT-GILA 1000-FOOT CORRIDOR**  
 (GILLESPIE DAM TO 91ST AVE.)

FIGURE 2.1. Project Location Map

secured. The purpose of the clearing was to establish an open path of low resistance for flows that are low to moderate (1,000 to 20,000 cubic feet per second). Approximately 30 miles of the corridor were cleared; the remaining six miles did not require clearing.

The project was amended in the mid-1980's to include a pilot channel in areas where the natural low flows were outside the clearing. This channel was centered in the clearing, had a variable depth and an approximate 100-foot bottom width. Its average capacity was estimated at 800 to 1000 cubic feet per second (cfs). In 1992, the pilot channel construction had been completed from Agua Caliente Road, 3.5 miles upstream of Gillespie Dam, to upstream of Rainbow Road (16.2 miles) and from the Tuthill Road bridge to Sarival Road (4.7 miles). The remaining 14.9 miles of cleared corridor had natural channels and did not require a constructed pilot channel.

### **3 Restoration Estimates**

Flood Control District staff have converted published annual Consumer Price Indices (CPI's) to a CPI for each fiscal year of the project's construction life according to procedures established in State Statute. The CPI's were used to determine inflation rates for each fiscal year and FY 1993/94 was designated the current dollar year. The inflation rates were transformed into annual Capital Amount Factors (CAF's). The Consumer Price Indices, corresponding inflation rates, and Capital Amount Factors for FY1979/80 through FY1993/94 are given in Table 3.1. The calculation for the CPI's and the CAF's can be found in Appendix B. For convenience, the table also includes a "Product Factor" (PF) for each year. The PF is simply the product of consecutive CAF's starting with the CAF for FY 1993/94 and ending with the CAF for the year following the fiscal year in which the cost was incurred. The present worth of a cost from any fiscal year is the cost in that year multiplied by its PF.

In order to re-establish the 1000-foot clearing and pilot channel, work in the ten cost categories in Table 1.1 needs to be accomplished. The original clearing project involved activities in Jurisdictional Waters (namely clearing and grubbing) but no Section 404 permit was required.

After the flows receded following the 1993 flooding, the District, desirous of resuming clearing operations, discussed permitting requirement with the Corps of Engineers. Through numerous discussion with the Corps, we are certain that a Section 404 permit is now required. Therefore, prior to any work being done, the project must obtain environmental permitting, which in turn requires environmental mitigation. These requirements are reflected in cost categories (1) and (2).

The third cost category is debris removal. This is due to the partial collapse of the Salt River (formerly Tri-Cities) Landfill in January 1993. The four cost categories of clearing and grubbing, earthwork for open channels, engineering studies and design, and contract administration and support were

all performed in the original project and clearly need to be repeated. Engineering design and contract administration and support were accomplished by Flood Control District staff.

|             |         |         |         |         |         |         |         |         |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Fiscal Year | 1979/80 | 1980/81 | 1981/82 | 1982/83 | 1983/84 | 1984/85 | 1985/86 |         |
| CPI         | 53.8    | 59.2    | 64.2    | 67.2    | 70.0    | 72.9    | 75.2    |         |
| Inflation   | 10.0%   | 8.4%    | 4.7%    | 4.2%    | 4.2%    | 3.1%    | 2.8%    |         |
| CAF         | 1.100   | 1.084   | 1.047   | 1.042   | 1.042   | 1.031   | 1.028   |         |
| PF          | 1.75311 | 1.61726 | 1.54466 | 1.48240 | 1.42265 | 1.37988 | 1.34229 |         |
| Fiscal Year | 1986/87 | 1987/88 | 1988/89 | 1989/90 | 1990/91 | 1991/92 | 1992/93 | 1993/94 |
| CPI         | 77.3    | 79.9    | 83.5    | 87.2    | 90.9    | 94.0    | 96.4    | 100.0   |
| Inflation   | 3.4%    | 4.5%    | 4.4%    | 4.3%    | 3.4%    | 2.6%    | 3.7%    | 3.7%    |
| CAF         | 1.034   | 1.045   | 1.044   | 1.043   | 1.034   | 1.026   | 1.037   | 1.037   |
| PF          | 1.29815 | 1.24225 | 1.18990 | 1.14084 | 1.10333 | 1.07537 | 1.03700 | 1.00000 |

**Table 3.1**

**Consumer Price Indices, Annual Inflation Rates, and Annual Capital Amount Factors.**

Indices for FY1979/80 through FY1991/92 are based on Table 3 of the Sep. 1993 "Survey of Current Business." Index for FY1992/93 is from Table 7.13 of the Feb. 1994 "Survey of Current Business", published by the U.S. Dept. of Commerce, Economics, and Statistics Admin., Bureau of Economic Analysis. The CPI for FY 1992/93 is repeated for FY 1993/94. Consumer Price Index calculations conform to A.R.S. §41-563.

Surveying of the baseline for the pilot channel and a partial boundary survey and monumentation was performed in the original project. Baseline surveying will need to be performed again and a full boundary survey of the 1000-foot corridor will need to be performed. Cost will be incurred in re-establishing access through gravel roads over private property requiring the purchase of easements. A management study, the scope of work for which is included in Appendix A, will be accomplished to determine the overall project feasibility. We understand that the cost for this study is reimbursable under the DSR. The cost estimates for these ten components are detailed in the subsequent sections.

### 3.1 Environmental Documentation and Permitting

As discussed in Section 2, an early contract for the project involved the completion of environmental documentation through the NEPA process. Contract 80-1 was initiated for the preparation of an Environmental Assessment report describing the environmental consequences of the 1000-foot clearing

from 91st Avenue to Gillespie Dam. The contract was authorized on February 25, 1980 for \$88,740. On November 12, 1980, the USF&WS informed the Flood Control District that an Environmental Impact Statement (EIS) was required. The contract was suspended with \$7,190 remaining on the contract. Subsequent negotiations to finish the contract with the drafting and acceptance of the EIS resulted in a change order for \$18,936. An additional \$2,500 of out-of-scope work was identified. With the remaining funds, the net value of the change order was \$14,246. The final contract amount of \$102,986 is reflected in Table 3.1.1.

In 1985, the clearing project was amended to include an approximate 100-foot wide pilot channel in the middle of the corridor. This added construction activity required an Amended EIS and a Section 404 permit. The Amended EIS was accomplished under Contract 85-14. The contract was approved in April 1985 and completed in June 1985. The USF&WS acted as the lead agency for the preparation of the NEPA document. The Section 404 permit was secured in May 1986.

Additionally, the District conducted Phase I Environmental Site Assessments. The purpose of these assessments was to survey for potential hazardous and toxic substance contamination in the project corridor. Generally, assessments were conducted in advance of property acquisition; however, two were done for the purpose of excavating the pilot channel. The first, under Contract 90-7, (Job 5-50041-51) was for the 4.7 mile reach between Sarival Road and the Tuthill Road bridge. (See Section 3.5 Contract 90-2.) The work was accomplished in FY 1990/91. The second assessment, also under Contract 90-7, (Job FCD025) was conducted in FY 1992/93 for the 2.5 mile segment between the Tuthill Road bridge and Rainbow Road for the purposes of excavating the pilot channel. This 2.5 mile segment was never excavated. The present value costs of all four contracts is summarized in Table 3.1.1.

| Contract/Job Number          | Fiscal Year of Bid | Cost (Bid Year)  | Cost (6-30-1994) |
|------------------------------|--------------------|------------------|------------------|
| 80-1 (EIS)                   | 1979/80            | \$102,986        | \$180,546        |
| 85-14 (Amended EIS)          | 1984/85            | \$23,128         | \$31,914         |
| 5-50041-51 (Site Assessment) | 1990/91            | \$5,882          | \$6,490          |
| FCD025 (Site Assessment)     | 1992/93            | \$6,319          | \$6,553          |
| <b>Total</b>                 |                    | <b>\$138,315</b> | <b>\$225,503</b> |

**Table 3.1.1**  
**Cost Estimate - Environmental Documentation.**

Since the flood event, District staff have been in frequent communication with the U. S. Army Corps of Engineers regarding the permitting of this project. As discussed in Section 2, no Section 404 permit

was required for the initial work of mechanized land clearing and minor grading. These activities now require a 404 permit.

Table 3.1.1 does not reflect the costs of obtaining a permit.<sup>2</sup> We have; however, estimated the costs of completing an EIS and obtaining a permit for a "restoration" project. The description of the project is discussed in the next section. The estimate is derived from a report from a recently completed Flood Control District contract. The report investigated, developed, and detailed specific tasks to be accomplished in the preparation of a Watercourse Master Plan for the Salt-Gila River between Granite Reef Dam and Gila Bend (94.5 miles).<sup>3</sup> In the report, the specifics of determining the NEPA process and permitting requirements, completing the NEPA process, and obtaining a Section 404 permit total \$1,474,000, is summarized in Table 3.1.2. The prorated portion of these costs for the segment from 91st Avenue to Gillespie Dam (35.8 miles of 94.5 miles) is shown in Table 1.1.

| Determining NEPA Compliance Process and Permitting Requirements | Completing Necessary NEPA Documentation and Compliance | Obtain Section 404 Permit (mitigation costs excluded) | Total Costs (unadjusted for inflation) |
|-----------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|----------------------------------------|
| \$12,000                                                        | \$1,306,000                                            | \$156,000                                             | \$1,474,000                            |
| <b>Prorated Total (35.8 of 94.5 miles)</b>                      |                                                        |                                                       | <b>\$558,404</b>                       |

**Table 3.1.2**  
**Cost Estimate - Potential Environmental Documentation and Permitting.**

### 3.2 Environmental Mitigation

The mitigation that had been provided for the 1000-foot Corridor and Pilot Channel project was difficult to ascertain in preparation of this report. This was because the original 1000-foot clearing was accomplished without the requirement of a Section 404 permit. Early mitigation requirements were provided by the USF&WS as guidance only. Appendix A includes two letters from 1981 from the USF&WS to the consultant for Contract 80-1 discussing mitigation for the 1000-foot clearing. The estimated cost of mitigation for the clearing was \$109,745 (\$177,487 in June 1994 current dollars).

On November 25, 1986, a meeting was held between the Flood Control District, USF&WS, and the Arizona Game & Fish Department (AG&FD). The focus of the meeting was to discuss what remaining

<sup>2</sup> Contract 85-14 provided additional environmental documentation for the NEPA process. Flood Control District staff made application for the Section 404 permit and no contract costs were incurred in obtaining the permit. In this report Section 3.7, Contract Administration, also includes the staff time costs in securing the permit.

<sup>3</sup> The results of the Master Plan are not anticipated to affect potential projects in the river between 91st Avenue and Gillespie Dam.

mitigation responsibilities existed for the clearing and low flow channel. Minutes from the meeting indicate that mitigation requirements for the clearing were satisfied as of that date, and that upon completion of pole plantings near the SR 85 bridge, all mitigation requirements for the pilot channel would be met. Additional correspondence is provided on pages A-28 to A-33 in Appendix A between the District and the USF&WS and the District and the AG&FD concerning mitigation of unauthorized access roads.

In 1991, a Flood Control District internal report was prepared summarizing the District's mitigation efforts on the clearing and pilot channel. The report indicates that mitigation for the clearing consisted of at least 1,970 pole plantings and 10 acres of food crops (grain) seeding. Mitigation for the pilot channel was 375 pole plantings near the SR 85 bridge. The cost of documented mitigation is calculated in Table 3.2.1.

| Mitigation Measure  | Clearing    | Pilot Channel | Unit Cost†      | Total (6-30-94) |                  |
|---------------------|-------------|---------------|-----------------|-----------------|------------------|
| Food Crops (Grains) | 10 acres    |               | \$1300 per acre | \$13,000        |                  |
| Pole Planting       | 1,970 poles | 375 poles     | \$10 each       | \$23,450        |                  |
|                     |             |               |                 | 1991 Summary    | \$36,450         |
|                     |             |               |                 | 1981 USF&WS     | \$177,487        |
|                     |             |               |                 | <b>Total</b>    | <b>\$213,937</b> |

**Table 3.2.1**  
**Present Value Cost Estimate - Environmental Mitigation.**

† Unit costs based on mitigation Contract 93-13 *New River Landscaping and Revegetation* (see pages A-46 to A-48).

Based on the mitigation plan for a flood control project on the New River, it is our belief that the cost of mitigating the 1000-foot Corridor and Pilot Channel project in the mid-1990's is vastly different and perhaps as much as an order of magnitude more expensive than it was in the early to mid-1980's. This belief makes our previous mitigation expenditures, as depicted in Table 3.2.1, unrealistic. Therefore, we have developed an alternate mitigation package for the "restoration" project.

Under current Section 404 (b) 1 guidelines, mitigation must be provided for the total area disturbed. Since the 1000-foot Corridor and Pilot Channel project covered approximately 4,340 acres, (1000 feet by 35.8 miles long) the mitigation costs will not likely exceed that which can be provided for the 4,340 acres. The District's experience on other large river projects indicates that imposed regulations have been consistent to provide no net loss of habitat. A reasonable interpretation of these regulations is a one-to-one replacement of plants with recognized habitat value and no net loss of valuable habitat. We use this

interpretation as our mitigation guideline. Currently, District staff are in the process of describing the "restoration" project for the 1000-foot corridor and pilot channel. The new project is intended to be the one that best meets the project's purpose and need; which can be stated as:

*A corridor of low hydraulic resistance and improved riverbed stability that reduces the severity of damages attributed to flooding in the Salt-Gila River between 91st Avenue and Gillespie Dam.*

The Flood Control District believes that the best project that meets this purpose and need is the Managed Vegetative Corridor and Pilot Channel (MVCPC). The four components of the MVCPC are shown in Figure 3.2.1 and are described as; (1) a pilot channel in the center of the existing alignment of the 1000-foot corridor - 100-feet wide, (2) fringe vegetation consisting mainly of cattails - 10-foot wide lining both sides of the pilot channel, (3) an active management zone (AMZ) consisting mainly of grasses, herbaceous and low shrub vegetation and patches of Cottonwood and Willow to provide food, nesting habitat, and riverbed stability - 400 feet or 410 feet on either side of the fringe vegetation, and (4) pole plantings to stabilize the outer portions of the corridor and enhance the habitat - the 40 feet inside each corridor boundary.

At the present time, the Flood Control District does not know what the mitigation requirements will be for the MVCPC. For the purposes of this report we make the following assumptions. First, that the pilot channel is provided to convey the perennial low to moderate flows, as has been the case starting approximately eight years ago. Therefore, the 100 feet that the pilot channel will occupy will require no mitigation.

Second, that the fringe vegetation along with the patches of trees in the AMZ is preferred habitat for the Yuma Clapper Rail, a listed Endangered Species. The AMZ would provide valuable cover and food for the White Wing Dove, an Arizona game bird, and low hydraulic resistance shrubs, which provide nesting habitat and help stabilize the riverbed. A considerable portion of the mitigation will be required to enhance the habitat for these two bird species. Within the active management zone the District would also remove non-native phreatophytes, such as Salt Cedar, which chokes the river. Since the entire AMZ has the potential to be disturbed, all of the 800-foot or 820-foot width may require mitigation.

In the last assumption, we assert that pole plantings of Cottonwoods and Willows, both native to the river and preserved under clearing and maintenance activities, are a good measure to stabilize and keep aligned the corridor boundary. They are a renewable resource in that mature trees can selectively be harvested for planting in other areas and also provide valuable habitat. We believe that these assumptions are consistent with the reasonable interpretation of regulations requiring a one-to-one replacement and no net loss of habitat.

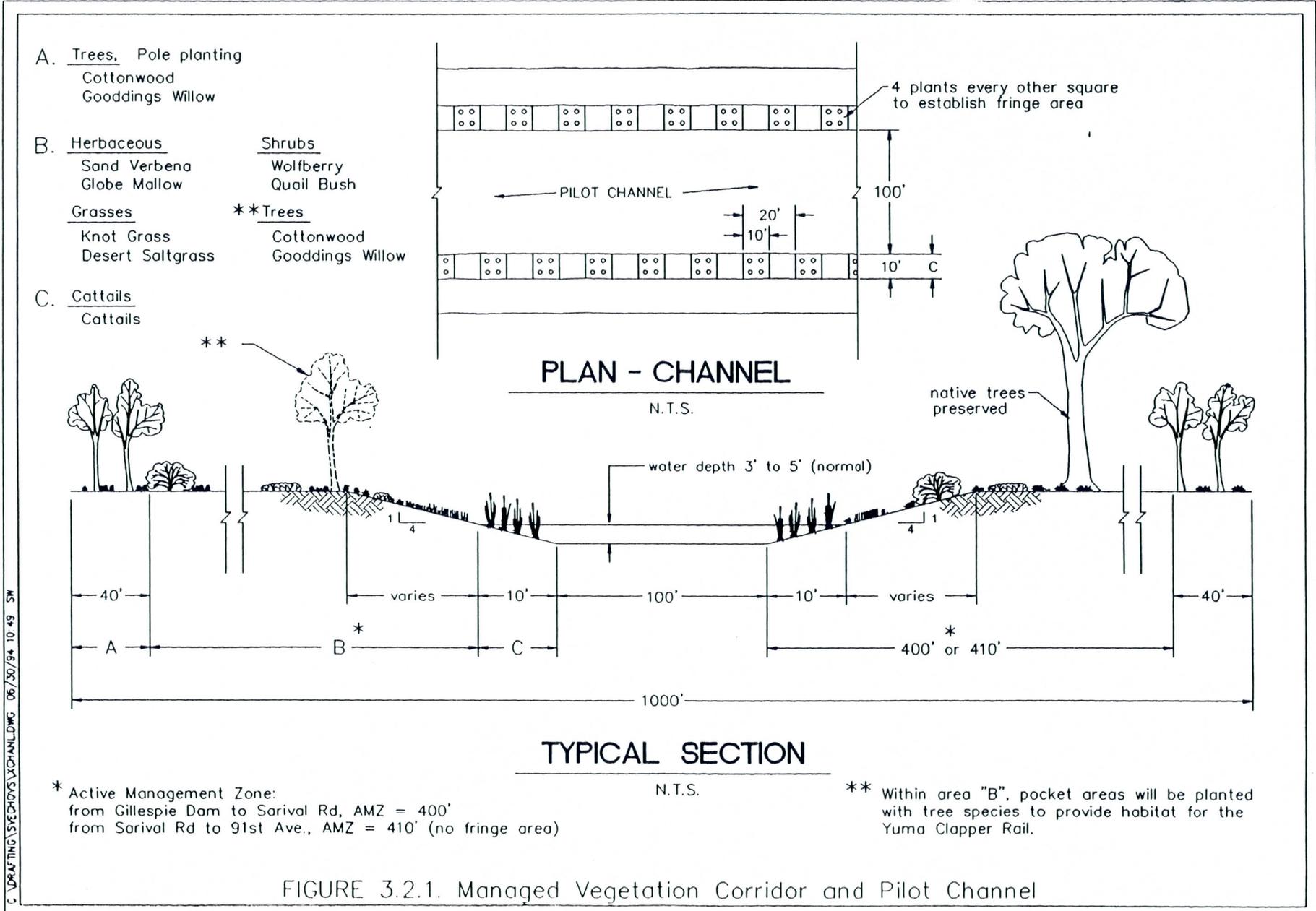


FIGURE 3.2.1. Managed Vegetation Corridor and Pilot Channel

Flood Control District staff believe that mitigation measures such as these will need to be provided for the MVCPC to be permitted under Section 404 of the Clean Water Act. Table 3.2.2 summarizes the mitigation for the MVCPC and the costs are reflected in Table 1.1. The mitigation measures totals in Table 3.2.2 are 25 times as much as those that District staff were able to document and summarize in Table 3.2.1.

| Mitigation Measure | MVCPC Element                | Element Width (feet)    | Unit Cost†     | Quantity | Total (6-30-1994)  |
|--------------------|------------------------------|-------------------------|----------------|----------|--------------------|
| Cattails‡          | Pilot Channel Fringe         | 20                      | \$36 / square‡ | 14,203   | \$511,308          |
| Grains and Shrubs  | Active Management Zone (AMZ) | 800 or 820 <sup>f</sup> | \$1,300 / acre | 3,493    | \$4,540,900        |
| Trees††            | AMZ                          | N/A                     | \$300 / patch  | 72       | \$21,600           |
| Pole Planting‡‡    | Corridor Boundary            | 80                      | \$1,000 / acre | 347      | \$347,000          |
|                    |                              | 900 or 920              |                |          | <b>\$5,420,808</b> |

**Table 3.2.2**  
**Cost Estimate - Potential Environmental Mitigation.**

† Unit Costs based on mitigation Contract 93-13 (*New River Landscaping and Revegetation*) and the mitigation proposal for the New River Flood Control Project.

‡ A 10-foot by 10-foot area with a cattail plant in each corner, see Fig. 3.2.1. Based on 26.9 miles; the length of proposed pilot channel -  $[(26.9) (5280) / 10 (0.5) (2 \text{ sides})] = 14,203$ , see Sec. 3.5.

<sup>f</sup> 800 ft. from Gillespie Dam and Sarival Rd. (26.9 mi) and 820 ft. from Sarival Rd. to 91st Ave. (8.9 mi).

†† A patch to consist of 30 plants, one patch per mile both sides.

‡‡ Based on \$10 per pole and 100 poles per acre, (approx. 21 ft. on center) for the full 35.8 mile project length.

### 3.3 Debris Removal

Debris removal was not a significant part of most of the clearing and grubbing contracts. However, as a result of the partial collapse of the Salt River (formerly Tri-Cities) Landfill in January 1993, considerable debris washed down the Salt-Gila River. The District conducted debris removal from 67th Avenue to 115th Avenue (6 miles) under Work Order 93-6002. The cleanup was conducted over the area of inundation, approximately 2,270 acres<sup>4</sup> (3,120 feet average width). Table 3.3.1 details the material, labor, and equipment costs for this effort. All the work was conducted in the current fiscal year and no inflation adjustment was made. The equipment costs are based on rates that conform to the discussions between ADEM and the Flood Control District on June 13, 1994.

<sup>4</sup> The inundation acreage was derived from a Geographic Information System (GIS) coverage (generated data) using aerial photography during the peak flows of January 9, 1993. GIS work performed by Flood Control District staff.

The total acreage of the 1000-foot corridor is 4,340 acres. The area of corridor within the 6-mile cleanup area was approximately 727 acres. The area remaining in the corridor yet to be cleared is 3,613 acres. The prorated cleanup acreage<sup>5</sup> is therefore  $3,613/2,270 = 1.59$  as large as Work Order 93-6002.

| Work Order Number     | Material Costs | Labor Costs | Equipment Costs | Total Costs (6-30-1994) |
|-----------------------|----------------|-------------|-----------------|-------------------------|
| 93-6002               | 2,249          | 26,055      | 23,304          | \$51,608                |
| <b>Prorated Total</b> |                |             |                 | <b>\$82,141</b>         |

**Table 3.3.1**  
**Cost Estimate - Debris Removal.**

### 3.4 Clearing and Grubbing

The clearing of Salt Cedar began in the winter of 1979, before the drafting of the EIS conducted under Contract 80-1. The District proceeded with the acquisition of land rights to and clearing of the 1000-foot corridor.<sup>6</sup> A total of seven contracts were awarded and 4,147 acres of land was cleared of Salt Cedar. Table 3.4.1 provides the cost summary for these contracts.

Since the Salt Cedar was very thick at the time clearing operations began, as compared to the present time, future clearing activities are presumed to be cheaper if the process were to have resumed last year, this year, or next. However, permitting constraints have precluded continued maintenance clearing of the corridor since the flooding of 1993. For the past fifteen months, the Salt Cedar has quickly been re-establishing itself throughout the corridor. Under an optimistic schedule, the District will secure a Section 404 permit to re-start the clearing of Salt Cedar within one year. The seven clearing contracts took approximately five years to complete. With budget constraints, it will likely take at least four years to clear the Salt Cedar once the permit is secured. That means that the average segment will remain uncleared for approximately four years, or until the summer of 1997. We estimate that the four years of uncontrolled growth equates to approximately 75 percent of the original cost in this category.

Review of the contract documentation gave no indication of how many river miles were cleared in Contract 79-5. However, plan sheets indicated that the corridor was to be approximately 300 feet wide. This contract was initiated prior to the establishment of the corridor alignment and width. At contract

<sup>5</sup> All of the 4,340 acres of the corridor are within the area of inundation. Therefore, all of the remaining 3,613 acres are presumed to require cleanup.

<sup>6</sup> Land acquisition and administrative procedures associated with land acquisition, have totaled over \$7 million dollars for the project but are not a part of these estimates because the Flood Control District still maintains those rights.

suspension, 161 acres were cleared and grubbed. The 161 acres equate to 4.4 miles of clearing having been completed at the time the contract was suspended due to flooding.

Contract 80-7 included an option to extend the clearing west to Bullard Avenue. The option was not exercised. Contract 82-7 adjoined Contract 80-7 on the downstream end. The acreages actually cleared in both contracts are consistent with the whole 7.0 miles being cleared in these two segments.

Contract 82-21 was terminated due to excessive flows at 92% completion [100% complete from 323rd Ave. to Gillespie Dam (7 mi.) and 75% complete from 323rd to 291th Aves.  $[0.75(4) = 3 \text{ mi.}]$ ].

Contract 82-25 was terminated at 36% completion due to excessive flows. In Contracts 82-21 and 82-25 approximately 1,653 of 2,562 acres were completed over 24 river miles. Contract 83-24 was for 1,645 acres total, of which approximately 804 acres had been previously cleared. District records do not indicate that any more than 1,153 acres (70%) were cleared in Contract 83-24. Therefore, costs in Table 3.4.1 for this contract were for 70% completion, as reflected in the documents in Appendix A. In Contract 84-22 the clearing acreages were reduced from original estimates of 362 to 308 acres.

No contracts were ever issued to clear the eight miles between Bullard Avenue (147th Ave.) and Airport Road (211th Ave.). However, approximately one mile of this reach was cleared as Segment 6C. Contract 90-2 (see Section 3.5) cleared an additional 115 acres between the Tuthill Road bridge and Sarival Road. Therefore, approximately two of the eight miles of this reach were cleared and grubbed.

Table 3.4.1 indicates that 33.9 miles were cleared but six of the eight miles between Bullard and Airport Roads were not. The 4,147 acres that were actually cleared represent 34.2 miles of the corridor.<sup>7</sup>

With six miles never contracted to be cleared, it is apparent that segments were cleared more than once. This fact is an indication of the complications that can and have occurred in attempting to clear and grub the corridor, usually due to excessive flows. It is reasonable to speculate that future contracts to re-establish the clearing could be complicated by excessive water flows or other field conditions. These complications could suspend or delay contracts, as was the case in the past. Total accuracy in such contracts is difficult to obtain.

For the purposes of estimating the costs to clear the and grub the corridor, we determine the prorated cost as the sum of the six miles that were never contracted to be cleared (at unit cost) and the 25 percent reduced cost. The average unit cost indicated in the table is  $\frac{\$1,649,441}{33.9 \text{ mi}} = \$48,656$  per mile (or \$401 per acre). The prorated cost reported in Table 1.1 is  $[6 \text{ mi} (\$48,656 \text{ per mi}) + \$1,237,081] = \$1,529,017$ .

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<sup>7</sup> At 1000 feet wide, the corridor is 121.21 acres per river mile.

| Contract Number | Acreage Actually Cleared | Miles Actually Cleared | Fiscal Year of Bid | Cost (Bid Year)       | Cost (6-30-1994)   |
|-----------------|--------------------------|------------------------|--------------------|-----------------------|--------------------|
| 79-5 [1]        | 161                      | 4.4 = 1.3†             | 1979/80            | \$121,807             | \$213,542          |
| 80-7 [2]        | 524                      | 4.0                    | 1979/80            | \$192,392             | \$337,285          |
| 82-7 [3]        | 348                      | 3.0                    | 1981/82            | \$125,680             | \$194,133          |
| 82-21 [4]       | 1,213                    | 10.0                   | 1982/83            | \$265,895             | \$394,164          |
| 82-25 [5]       | 440                      | 3.6                    | 1982/83            | \$97,903              | \$145,132          |
| 83-24 [6]       | 1,153                    | 9.5                    | 1982/83            | \$191,398             | \$283,729          |
| 84-22 [7]       | 308                      | 2.5                    | 1983/84            | \$57,257              | \$81,457           |
|                 | 4,147                    | 33.9                   |                    | \$1,052,332           | \$1,649,442        |
|                 |                          |                        |                    | 25% Reduction         | \$1,237,081        |
|                 |                          |                        |                    | <b>Prorated Total</b> | <b>\$1,529,017</b> |

**Table 3.4.1**

**Cost Estimate - Clearing and Grubbing.**

- [1] Segment 2 apparently covered approximately 4 miles upstream of Gillespie Dam. The contract was terminated at 63% completion.
  - [2] Segment 1 covered the 4 miles [91st Ave. to El Mirage Road (123rd Ave.)] with an option to extend the clearing to Bullard Ave. (147th Ave.). The option was not exercised.
  - [3] Segment 3 covered the 3 miles [El Mirage Rd. to Bullard Ave.]. Segment 3 adjoins Segment 1 downstream.
  - [4] Segment 4 covered 10 of the 11 miles [Palo Verde Rd.(291st Ave.) to Gillespie Dam]. The contract was terminated at 92% completion.
  - [5] Segment 5 covered the 10 miles [Airport Rd. (211th Ave.) to Palo Verde Rd.]. The contract was terminated at 36% completion.
  - [6] Segment 5A covered approximately 14 miles [Airport Rd. to 323rd Ave.]. Only 70% of the contract was completed.
  - [7] Segment 6A covered 1 mile in the vicinity of Palo Verde Rd.; Segment 6B covered less than 1 mile in the vicinity of Miller Rd. (251st Ave.); and Segment 6C covered 1 mile in the vicinity of Perryville Rd. (187th Ave.).
- † At assumed 300-foot width;  $(0.30)(4.4) = 1.3$  miles for tabulation purposes.

**3.5 Earthwork for Open Channels**

As discussed in Section 3.2, the purpose of the cleared corridor was to establish an open path of low resistance for low to moderate flows (1,000 to 20,000 cubic feet per second). The excavation of pilot channels aligned flows within the clearing, promoted channel scour and decreased water surface elevations during higher flows. The six contracts shown in Table 3.5.1 detail costs associated with this category.

Table 3.5.1 reveals that of the 35.8 miles of the total project length, 14.9 miles did not include a pilot channel; 3.5 miles upstream of Gillespie Dam, 2.5 miles between Rainbow Road and the Tuthill Road bridge, and 8.9 miles between Sarival Road and 91st Avenue. As the pilot channels are to be re-

established, Flood Control District staff believe that a continuous channel from Sarival Road to Gillespie Dam, (26.9 miles) should be constructed. The belief that 6.0 additional miles should be built is based on two primary reasons.

The first is that the termination of the pilot channel at the Tuthill Road bridge, (Contract 90-2 terminated at the bridge) has created a changed hydraulic condition in the vicinity and downstream of the bridge. In August 1992, prior to the flooding, District staff became aware of the formation of a sandbar in the vicinity of the bridge. A likely explanation for the formation is a sudden flattening of the gradient in the vicinity of the bridge. This flattening slows the water velocity allowing transported sediments to drop out. Also by August 1992, erosion on the north bank was occurring downstream of the bridge. Comparison of pre- to post-flooding aerial photography confirmed the extent of erosion as significant. Post-flood aerial photography indicated that this sandbar formed almost entirely within the corridor and is approximately 0.7 miles long and covers 30 acres.

| Contract Number | Total Volume (cu. yd.) | Miles Excavated | Fiscal Year of Bid | Cost (Bid Year)       | Cost (6-30-1994)   |
|-----------------|------------------------|-----------------|--------------------|-----------------------|--------------------|
| 82-13 [1]       | 38,558                 | N/A             | 1980/81            | \$59,379              | \$96,032           |
| 85-18 [2]       | 263,023                | 0.9             | 1985/86            | \$289,325             | \$388,359          |
| 87-3 [3]        | 412,500                | 2.5             | 1987/88            | \$309,375             | \$384,322          |
| 88-16 [4]       | 751,330                | 3.8             | 1989/90            | \$623,604             | \$711,433          |
| 90-2 [5]        | 997,200                | 4.7             | 1990/91            | \$1,105,143           | \$1,219,336        |
| 91-8 [6]        | 965,908                | 9.0             | 1991/92            | \$765,087             | \$822,751          |
|                 | 3,428,519              | 20.9            |                    | 3,151,913             | \$3,622,233        |
|                 |                        |                 |                    | 20% Reduction         | \$2,897,786        |
|                 |                        |                 |                    | <b>Prorated Total</b> | <b>\$3,937,662</b> |

**Table 3.5.1**

**Cost Estimate - Earthwork for Open Channels.**

- [1] South bank shaping and grading east of the SR 85 bridge.
- [2] Covered approximately 4500 feet (0.85 miles) in the vicinity of the SR 85 bridge, mostly upstream.
- [3] Covered approximately 2.5 miles of the 4 miles [Wilson Rd. (283rd Ave.) to Miller Rd. (251st Ave.)].
- [4] Covered 3.8 miles [Miller Rd to Rainbow Rd. (227 Ave.)].
- [5] Covered 4.7 miles [Tuthill Rd. (203rd. Ave. and Sarival Rd. (183rd Ave.)].
- [6] Covered 9 of 12.5 miles from Gillespie Dam to Turner Road (275th Ave.).

Flood Control District staff are presently processing a license to the Maricopa County Department of Transportation (MCDOT) for the purpose of removing a portion the sandbar within the corridor in the immediate vicinity of the bridge. MCDOT has budgeted \$2,000,000 to conduct the excavation along with repairs of scour damage to the bridge piers caused by a lateral migration of the main channel to the far south bank and dangerously close to the abutment. District staff believe that the excavation of the pilot channel to connect the 2.5 miles between the Tuthill Road bridge and Rainbow Road will limit main channel migration, future erosion of the north bank, and reduce scour damage to the bridge.

The second reason the District believes that a continuous channel should be built from Sarival Road to Gillespie Dam involves the breach of Gillespie Dam. Likely alternatives for repairing the breach entail the construction of some gated apparatus (radial gates or inflatable dams) which would allow the impoundment of water for diversion purposes during normal flows and which would be opened to pass high flows during a flood. Since the entire approximate 170-foot breach is within the corridor, it would be prudent to assure that a pilot channel guides flows to the gated portion of the dam. Both of these segments will be studied in detail in the Management Policy Study discussed in Section 3.10.

In all six pilot channel contracts, the bid unit was cubic yards and the work consisted of site preparation, excavation, and disposal. Much of the disposed alluvium was used to build roads within the 1000-foot corridor and to construct plugs at the corridor's boundary to prevent flows from leaving the corridor and entering meanders beyond the corridor.

Contract 82-13 was accomplished in conjunction with the widening of the SR 85 bridge. The bridge length was doubled from 375 to 750 feet (added section south of existing section) following the three floods from 1978 to 1980. The work consisted of shaping the new south bank and grading to guide drainage through the bridge; all east of the bridge. This contract was not expressly for pilot channel excavation, rather appurtenant excavation to the widening of the bridge. However, the 1993 flooding has necessitated that similar excavation near the bridge again occur.

Contract 85-18 excavated the pilot channel approximately 1.3 miles upstream of the SR 85 bridge. The contract processed two change orders which added 34,462 cubic yards (CY) to the original 249,000 CY estimate. The final quantity however, was 263,023 CY.

Contract 87-3 excavated the pilot channel approximately 8,800 feet west of and between 4,500 and 9,000 feet east of the SR 85 bridge. The general project limits were the four miles between Wilson Road and Miller Road. The bid estimate of 375,000 CY was adjusted to 412,500 CY.

Contract 88-16 excavated the pilot channel approximately 3.8 miles between Miller Road and Rainbow Road. The bid estimate of 712,000 CY was adjusted to 751,330 CY.

Contract 90-2 excavated the pilot channel between the Tuthill Road bridge and Sarival Road, approximately 4.7 miles. The original bid estimate was 997,200 CY and the final work consisted of an additional 115 acres of clearing and grubbing for approximately 0.8 miles of the corridor. The cost for clearing and grubbing is accounted for here and not Section 3.4.

Contract 91-08 excavated a pilot channel for nine miles of the approximate 12.5 miles between Gillespie Dam and Turner Road. The original bid estimate of 956,500 CY was adjusted to a final quantity of 965,908 CY.

As discussed in Section 1, work in this cost category was approximately 80 percent destroyed by the flooding of 1993. The prorated cost reported in Table 1.1 is the sum of the additional six miles (at unit cost) and the 20 percent reduced cost; or  $(\frac{6.0 \text{ mi}}{20.9 \text{ mi}} + 0.80)(\$3,622,233) = \$3,937,662$ .

It is of some interest that the average cost of the pilot channel (in June 1994 current dollars) was \$33 per lineal foot, (20.9 miles excavated at a cost of \$3,622,233). For a 100-foot wide channel, the average depth was 8.5 feet  $(\frac{3,428,519(27)}{20.9(5280)(100)})$ , and the average unit cost was \$1.06 per cubic yard.

### 3.6 Engineering Studies and Design

There have been two engineering contracts that studied the effects of the clearing on the river. The first was Contract 80-6 which studied the flooding problems in the vicinity of Gillespie Dam and the effects on the dam by the 1000-foot clearing project. The second was Contract 80-9 which studied flood control alternatives in the Salt-Gila River from 91st Avenue to the Agua Fria confluence with the Gila River.<sup>8</sup> The studies were performed as a basis of the District's "Gila River Interim Control Works" which ultimately included the clearing, pilot channels, the Perryville levee, and the Holly Acres levee as construction projects. The costs for these two studies are summarized in Table 3.6.1. Contractual information is provided in Appendix A. The reports themselves are not included as appendices but are available from the Flood Control District. The full costs of these studies is reflected in the table because their primary focus was to determine the effects that the clearing would have on Gillespie Dam and the Holly Acres Community.

To determine the engineering costs for the clearing and pilot channel work, Flood Control District accounting records were used. This is because none of the design for the seven clearing and grubbing contracts in Section 3.4 or the six pilot channel projects in Section 3.5 was done under contract. All engineering design for both the clearing and the pilot channels was accomplished by Flood Control District staff. The accounting records do not, however, distinguish between staff time spent on the clearing or

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<sup>8</sup> The north bank within this reach of the Salt-Gila River is better known as Holly Acres.

pilot channel engineering design and other projects in the Salt-Gila River between 91st Avenue and Gillespie Dam; specifically, the Perryville levee and the Holly Acres levee.

| Contract Number | Fiscal Year of Bid | Cost (Bid Year)  | Cost (6-30-1994) |
|-----------------|--------------------|------------------|------------------|
| 80-6            | 1979/80            | \$30,750         | \$53,908         |
| 80-9            | 1979/80            | \$89,000         | \$156,027        |
| <b>Total</b>    |                    | <b>\$119,750</b> | <b>\$209,935</b> |

**Table 3.6.1**  
**Cost Estimate - Engineering Studies.**

The contract to design these two levee was awarded in the amount of \$59,000 for engineering design performed from April 1982 through November 1983. The Holly Acres levee was re-designed from March to May of 1984.<sup>9</sup> These costs are kept separate from the staff time charged as engineering design associated with the clearing and pilot channel work.

District accounting records were reviewed to track staff time devoted to engineering design. Flood Control District staff charged time under what are termed "Activity Codes." The two codes that were tracked for this report were 105 "Salt-Gila Clearing & Channel" and 106 "Salt-Gila Interim Control Works. A "Cost Account Code" of 6447 was used specifically by staff for Engineering. Cost Account Code 6447 may appear in the accounting records as Administration, Maintenance, Land Acquisition or Construction & Operations.<sup>10</sup> Only two of these, Administration (010 or 045) and Construction & Operations (040) were tracked in preparation of Table 3.6.2. Since Code 6447 includes contracts for engineering studies, care was taken not to repeat the costs from Table 3.6.1 or any other costs previously accounted for in this report.<sup>11</sup>

To account for the \$59,000 for the design of the levees and the presumed \$9,000 for the re-design of the Holly Acres levee, \$29,500 was subtracted from the totals in the accounting records for FY's

<sup>9</sup> The cost of the re-design was not found in the project file. However, the original contract included \$9,000 for "...additional work related to this contract." No record existed indicating that these monies were ever used. The original contract lasted 20 months and extinguished approximately \$3,000 of the contract cost monthly. A cost of \$9,000 for the three month re-design is reasonable. It is therefore used as the amount for the re-design.

<sup>10</sup> As previously stated, land acquisition costs (Account Code 020) were not tracked as reimbursable costs because land rights were not affected by the flood event. It is to be noted; however, that discussions of corridor alignments and various project and design options took place that involved land acquisition staff. In these discussions, land acquisition staff would have accounted for their time by code 020, planners and project managers by code 010, and Construction & Operations Division staff by code 040. Since the accounting records give no indication of how much staff time (in code 020) was spent in these discussions, we have not attempted to track these costs or seek reimbursement for them.

<sup>11</sup> For example, the Site Assessment FCD025 accounted for in Table 3.1.1, appears as Engineering 6447 on page 5584 of the FY 1992/93 accounting records, (see page A-266 of App. A). The \$6,319 is not accounted for in Table 3.6.2.

1981/82 and 1982/83 and \$9,000 for FY 1983/84. Table 3.6.2 summarizes the engineering design costs for the clearing and pilot channel work.

No engineering design costs (except Contracts 80-6 and 80-9) were incurred during FY 1979/80. Accounting records for FY 1984/85 were not available. For this year, the average of the previous and subsequent fiscal years' figures were used. The sum of Tables 3.6.1 and 3.6.2 is reflected in Table 1.1 as the total for this category.<sup>12</sup> Appendix C includes additional calculations to clarify Table 3.6.2.

|                       |          |          |                      |                  |          |
|-----------------------|----------|----------|----------------------|------------------|----------|
| Fiscal Year           | 1980/81  | 1981/82† | 1982/83†             | 1983/84†         | 1984/85‡ |
| Cost (In Fiscal Year) | \$38,443 | \$2,292  | \$25,520             | \$5,158          | \$20,580 |
| Cost (June 30, 1994)  | \$62,172 | \$3,540  | \$37,831             | \$7,338          | \$28,397 |
| Fiscal Year           | 1985/86  | 1986/87  | 1987/88 <sup>f</sup> | 1988/89          | 1989/90  |
| Cost (In Fiscal Year) | \$27,001 | \$8,685  | \$0                  | \$477            | \$35,283 |
| Cost (June 30, 1994)  | \$36,243 | \$11,274 | \$0                  | \$568            | \$40,252 |
| Fiscal Year           | 1990/91  | 1991/92  | 1992/93              | <b>Total</b>     |          |
| Cost (In Fiscal Year) | \$73,445 | \$392    | \$3,518              | \$240,794        |          |
| Cost (June 30, 1994)  | \$81,034 | \$422    | \$3,648              | <b>\$312,720</b> |          |

**Table 3.6.2**

**Cost Estimate - Engineering Design.**

† Design of the Perryville and Holly Acres levees occurred in FY 1981/82 and FY 1982/83. Re-design of the Holly Acres levee occurred in FY 1983/84. The figures in the table account for these design costs.

‡ No accounting records available. Used average of FY 1983/84 and FY 1985/86.

<sup>f</sup> No Engineering costs reported for FY 1987/88.

**3.7 Contract Administration**

In this section, we track the staff costs for administering each of the contracts and work orders that were performed in Sections 3.1, 3.3, 3.4, 3.5, and 3.8. The primary administrative costs incurred by District staff were in the areas of project planning, project management of contracts and work orders, construction inspection, and design review. As in Section 3.6, District staff tracked only Activity Codes 105 and 106 in the categories of Administration (010 or 045) and Construction & Operations (040).

<sup>12</sup> The cost of \$312,720 in Table 3.6.2 represents approximately 7.9 percent of cost category (5). Discussions at a meeting on April 21, 1994 with FEMA and ADEM staff indicated that Flood Control District's previous proposal of 7 percent of Earthwork for Open Channels taken as the cost for Engineering Design was too low. Therefore, the 7.9 percent is presumed to be reasonable.

As in the previous section, we utilized the accounting records. The Cost Account Codes 9001 (Regular Hours Direct Labor), 9002 (Overtime Direct Labor), 5011 (Regular Salaries), and 5031 (Overtime) were used to account for staff salaries.<sup>13</sup> The cost of this project in the area of staff salaries is summarized in Table 3.7.1. We have included \$5,000 for FY 1979/80 in staff time spent at inception of this project, including Contract 79-5. Fifty percent of the total staff costs were subtracted out for FY's 1981/82 and 1982/83 to account for the administration costs of the design of the Perryville and Holly Acres levees. In FY 1983/84 approximately 30 percent of the total staff costs were subtracted out to account for the Holly Acres re-design. This percentage is the same as that used in Table 3.6.2; that is, \$9,000 compared to \$29,500. Also as in the previous section, the average of the total staff costs for the previous and subsequent fiscal years are used for FY 1984/85. In FY 1992/93 \$26,195 in staff costs were incurred mainly in the planning of future projects (capital projects and the MVCPC). This same kind of planning has occurred in the current fiscal year; therefore, the \$26,195 is repeated for FY 1993/94 in Table 3.7.1. Appendix C includes additional calculations to clarify Table 3.7.1.

|                       |          |          |           |                  |          |                      |
|-----------------------|----------|----------|-----------|------------------|----------|----------------------|
| Fiscal Year           | 1979/80‡ | 1980/81  | 1981/82†  | 1982/83†         | 1983/84† | 1984/85 <sup>f</sup> |
| Cost (In Fiscal Year) | \$5,000  | \$35,052 | \$10,588  | \$23,853         | \$24,915 | \$35,466             |
| Cost (June 30, 1994)  | \$8,766  | \$56,688 | \$16,355  | \$35,360         | \$35,445 | \$48,938             |
| Fiscal Year           | 1985/86  | 1986/87  | 1987/88   | 1988/89          | 1989/90  | 1990/91              |
| Cost (In Fiscal Year) | \$35,077 | \$49,239 | \$16,585  | \$2,222          | \$44,098 | \$58,438             |
| Cost (June 30, 1994)  | \$47,084 | \$63,920 | \$20,603  | \$2,644          | \$50,309 | \$64,476             |
| Fiscal Year           | 1991/92  | 1992/93  | 1993/94‡‡ | <b>Total</b>     |          |                      |
| Cost (In Fiscal Year) | \$28,108 | \$26,195 | \$26,195  | \$421,031        |          |                      |
| Cost (June 30, 1994)  | \$30,226 | \$27,164 | \$26,195  | <b>\$534,173</b> |          |                      |

**Table 3.7.1**

**Cost Estimate - Contract Administration and Support.**

- ‡ \$5,000 is used to account for project planning at conception of the 1000-foot clearing project.
- † For FY's 1981/82 and 1982/83, 50% of staff time was subtracted to account for the Perryville and Holly Acres levees. In FY 1983/84 approximately 30% was subtracted.
- <sup>f</sup> No accounting records available. Used average of unadjusted FY 1983/84 and FY 1985/86.
- ‡‡ Repeated costs for FY 1992/93 to reflect on-going project planning.

<sup>13</sup> Codes 9001 and 9002 had been used to account for force labor cost throughout the history of this project. However, codes 5011 and 5031 were not used until the mid-1980's. Codes 9001 and 5011 are equivalent as are codes 9002 and 5031. Construction Inspection was tracked under Activity Code 6973.

### 3.8 Surveying

In this section, costs for three survey tasks are developed; (1) past construction surveying to establish the baseline for the excavation of the pilot channel and cross section surveying for earthwork quantity take off estimates, (2) an estimate of the future costs for establishing and monumenting the 1000-foot corridor boundary, and (3) reimbursement for topographic surveying conducted in February 1993.<sup>14</sup>

Prior to undertaking the excavation of the pilot channel, the Flood Control District had to accomplish two tasks; staking of the pilot channel and surveying the cross sections of the pilot channel. The former task located the proposed channel alignment in the desired alignment within the corridor boundary and the latter task allowed for the engineer's estimate of the quantity of material to be excavated for budgetary purposes.

Contract 88-51 established the baseline and cross section surveying for approximately 8.5 miles of the pilot channel. The approximate limits for this work was from the Tuthill Road bridge to Sarival Road (4.7 miles). Two change orders were processed for this contract. The first included additional work for monumenting a previously established baseline for Contract 88-16 (see Table 3.5.1), 3.8 miles, and the second for additional effort caused by excessive brush hindering the survey of cross sections.

Contract 90-49 established the baseline and cross section surveying for approximately 9.0 miles of the pilot channel. The limits for this work was Agua Caliente Road to Turner Road. A small change order was processed to provide additional data to facilitate pilot channel design.

Table 3.8.1 summarizes the costs that have been incurred in the project. Job number 8325-00 was incidental surveying for clearing and grubbing contract 82-7. Segments [2] to [4] represent approximately 18.3 miles of baseline surveying. In Section 3.5 it was determined that approximately 20.9 miles of pilot channel were actually excavated. Segment [3] in Table 3.5.1 slightly overlaps Segment [4] of Table 3.8.1; otherwise the approximate 2.5 mile discrepancy cannot be explained. However, it is unlikely that the pilot channel for Contract 87-3 (Table 3.5.1) would have been excavated without construction surveying.

Since Table 3.8.1 does not reflect all of the costs of construction surveying we have calculated an adjusted total. To determine the reimbursement for surveying District staff assumed the average unit cost for Contracts 88-51 and 90-49. These contracts provided the necessary construction survey task for pilot channel excavation, namely; baseline staking (consisting of layout and section corner ties), cross section surveying, and aerial photography provided as base maps for drafting. The unit cost of producing this surveying work is  $(\$83,102 + \$78,894) / (44,800 \text{ ft.} + 47,300 \text{ ft.}) = \$1.76 \text{ per foot or } \$9,293 \text{ per mile, (in 1994 current dollars)}$ . To provide construction surveying for the 26.9 miles, as discussed in Section 3.5, the

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<sup>14</sup> The topographic surveying was performed for a flood insurance study which is a completely separate project from the 1000-foot Clearing and Pilot Channel project. It is a FEMA floodplain delineation study for the Salt-Gila River from Gillespie Dam to Granite Reef Dam (72 miles).

District anticipates spending at least \$249,982. This cost along with the minor costs for Job Number 8325-00 and the survey work conducted for Contract 87-3 are reflected as the final value in Table 3.8.1.

| Contract/Job Number | -Baseline Length (feet) | Fiscal Year of Bid                | Cost (Bid Year) | Cost (6-30-1994) |
|---------------------|-------------------------|-----------------------------------|-----------------|------------------|
| 8325-00 [1]         | N/A                     | 1982/83                           | \$930           | \$1,379          |
| 87-3 [2]            | 4,500                   | 1987/88                           | \$4,709         | \$5,850          |
| 88-51 [3]           | 44,800                  | 1988/89                           | \$69,840        | \$83,102         |
| 90-49 [4]           | 47,300                  | 1990/91                           | \$71,505        | \$78,894         |
|                     | 96,600                  | Total                             | \$146,984       | \$169,224        |
|                     | <del>188,700</del>      | <b>Anticipated Reimbursement†</b> |                 | <b>\$257,210</b> |

**Table 3.8.1**

**Cost Estimate - Construction Surveying.**

- [1] A minor work order for Contract 82-7, see Table 3.4.1.
  - [2] Covered 0.85 miles of pilot channel staking to Contract 85-18, see Table 3.5.1.
  - [3] Covered 8.5 miles [between the Tuthill Rd. bridge and Sarival Rd. and (under change order) from near Miller Rd. to Rainbow Road]. Pilot channel staking and cross section surveying for Contract 90-2 and channel staking for 88-16.
  - [4] Covered 9.0 miles [between Agua Caliente Rd. (3.5 miles north of Gillespie Dam) to Turner Rd. (275th Ave.)]. Pilot channel and cross section surveying for Contract 91-8.
- † Anticipated reimbursement based on 26.9 miles of construction surveying at average unit cost of Contracts 88-51 and 90-49 plus the minor costs incurred in Job No. 8325-00 and that for Contract 87-3.

The second survey task is the establishment and monumentation of the 1000-foot corridor boundary. Flood Control District field staff have established this boundary in the past, and through the maintenance of the clearing, its location was well established. However, the monuments frequently washed out and the boundary is not as well tied down as public projects adjacent to private and public lands ought to be. Additionally, the flooding of 1993 caused much of the river to change course, by the formation of new meanders and sandbars. District field crews no longer have the ability to accurately locate the corridor visually.

To establish the costs for monumenting the corridor boundary the unit cost of surveying of \$1.98 per foot (\$10,454 per mi) was used. This unit cost was derived from the original contractor's proposal for Contract 90-59. In Appendix C we provide a complete breakdown that results in the unit cost. The survey costs are summarized in Table 3.8.2. The installation of monuments once the survey work is completed is also presented in the table. The breakdown of those costs also appears in Appendix C.

For this project, the Flood Control District proposes to set a monument every 1000 feet on both sides of the corridor. This totals 378 monuments. Of these, 103 are primary monuments to be set on the

boundary's angle points (many of the angle points are shown in App. D.). The remaining 275 monuments are secondary to be placed 1000 feet apart on line between primary monuments. Table 3.8.2 develops the data that results in the unit costs used for surveying the boundary. Additional costs for the installation of monuments is also presented in the table.

| Item                            | Work Performed            | Unit Cost                        | Quantity                | Total (6-30-94)  |
|---------------------------------|---------------------------|----------------------------------|-------------------------|------------------|
| Surveying                       | By Contract               | \$10,454 per mile                | 35.8 miles <sup>f</sup> | \$374,253        |
| Primary Monuments <sup>†</sup>  | By Contract               | \$4,858 per monument (installed) | 103 monuments           | \$500,323        |
| Secondary Monument <sup>‡</sup> | By Flood Control District | \$197 per monument (installed)   | 275 monuments           | \$54,186         |
| <b>Total</b>                    |                           |                                  |                         | <b>\$928,762</b> |

**Table 3.8.2**  
**Cost Estimate - Boundary Survey and Monumentation.**

- <sup>†</sup> W14x90 (wide flange I-beam 14" depth and 90 lb per foot) 50 feet long pile driven to a depth of 40 feet. Placed on angle points. Unit cost includes the contractor's providing access roads along the corridor boundary.
- <sup>‡</sup> 8-ft, 4" dia. galvanized pipe installed in augered hole and concreted. Placed on-line between angle points @ 1000 foot intervals.
- <sup>f</sup> Unit cost for corridor mile not boundary mile which is approximately 71.6 miles long.

The last component of this cost category is reimbursement for topographic surveying. At the present time, the Flood Control District is conducting a Flood Insurance Study between Gillespie Dam and Granite Reef Dam. The District processed a change order in March 1993 for aerial topographic surveying of 21.2 miles of the 72-mile length of the study. The work was necessary because of topographic changes to the river caused by the flooding of January 1993. The costs are summarized in Table 3.8.3.

| Length downstream of 91st Avenue | Length within the total 72-mile reach | Change Order Cost (March 1993) | Total Costs (6-30-1994) |
|----------------------------------|---------------------------------------|--------------------------------|-------------------------|
| 16.3 miles                       | 21.2 miles                            | \$157,093                      | \$162,905               |
| <b>Prorated Total</b>            |                                       |                                | <b>\$125,253</b>        |

**Table 3.8.3**  
**Cost Estimate - Topographic Surveying.**

The topographic changes were significant enough that the water surface profile and elevations developed by the study would have been inaccurate for approximately 34 miles of the study reach if the topography had not been updated. Of the 21.2 miles, 16.3 miles were downstream of 91st Avenue; (7.0

miles between Gillespie Dam and Powers Butte, 4.0 miles upstream of the SR 85 bridge, 2.8 miles from Waterman Wash to the Tuthill Road bridge, and 2.5 miles from Dysart Road to 115th Avenue). The total of the three tables in this cost category are reflected in Table 1.1.

### 3.9 Access Roads

Access to the 1000-foot corridor has traditionally been from public and private dirt roads. In many cases, the District's use of these roads has been by informal agreement. In other cases, no agreement with property owners existed. Better access is proposed because proper and authorized access to the project is vital.<sup>15</sup> By "proper" access, we mean that roads should be constructed and maintained from public paved roads to the corridor boundary. "Authorized" access means that the District will purchase ingress and egress rights-of-way (easements) for the access roads. The proposed access roads are to be 20-foot wide gravel roads. Table 3.9.1 details the unit costs per road mile for constructing such roads; no maintenance costs are included. These costs are developed in Appendix C.

Appendix D show 35 access road segments. Twenty-six of the segments are the actual access points utilized in the past. The nine additional segments are included because they improve access and significantly reduce the need to build additional access roads parallel to the corridor boundary, which historically have needed much maintenance. It is believed that the 35 segments will need less maintenance than what was required for the combination of the previous 26 and the additional segments along the corridor boundary.

| Equipment †     | Labor ‡         | Material††       | Land ‡‡         | Total                    |
|-----------------|-----------------|------------------|-----------------|--------------------------|
| \$2,158 per mi. | \$1,527 per mi. | \$28,314 per mi. | \$6,061 per mi. | <b>\$38,060 per mile</b> |

**Table 3.9.1**  
**Access Roads Unit Costs.**

- † Based on Flood Control District costs of a 470 D7 Bulldozer @ \$20.14/hr, a 484 D& Bulldozer @ \$23.97/hr, a 474 Backhoe @ \$22.65/hr, and a 61 Blade "Cat" 140G @ \$22.27/hr. Rates are for 4-wheel drive equipment.
- ‡ Based on actual Flood Control District costs (incl. benefits) for one operator per piece of equipment.
- †† Based on 20-foot wide road with 4" aggregate base course (ABC) at 1.5 tons/CY @ \$14.30 per ton delivered.
- ‡‡ Based on a 20-foot wide right-of-way @ \$2,500 per acre.

Table 3.9.2 summarizes the costs for the 35 access road segments. It is to be noted that this cost does not include access roads parallel to the corridor boundary. Twenty or more miles of such roads will need to be constructed, but as pointed out in Table 3.8.2, many access roads will be built with the installation

<sup>15</sup> See pages A-28 to A-33 in Appendix A regarding "...certain unauthorized road clearings on lands adjacent to the 1000 clearing...."

of monuments. Excess material from the excavation of pilot channels has traditionally been used to build up access roads.

| Road Segment Number | Ownership† | ROW Length (mi) | Improvement Length (miles) | Land Cost | Improvement Cost | Total Cost |
|---------------------|------------|-----------------|----------------------------|-----------|------------------|------------|
| 1                   | G          | 0.89            |                            | \$5,394   |                  | \$5,394    |
| 2                   | G          | 0.72            | 0.15                       | \$5,273   | \$4,800          | \$10,073   |
| 3                   | G          | 2.08            |                            | \$12,607  |                  | \$12,607   |
| 4                   | G          | 0.83            | 0.13                       | \$5,819   | \$4,160          | \$9,978    |
| 5                   | G          | 2.18            |                            | \$13,213  |                  | \$13,213   |
| 6                   | G          | 1.17            | 0.06                       | \$7,455   | \$1,920          | \$9,375    |
| 7                   | G, P       | 1.95            | 0.76                       | \$16,425  | \$24,319         | \$40,745   |
| 8                   | G, U       | 1.29            | 0.38                       | \$10,122  | \$12,160         | \$22,281   |
| 9                   | G, U       | 1.17            | 0.11                       | \$7,758   | \$3,520          | \$11,278   |
| 10                  | G          | 1.59            |                            | \$9,637   |                  | \$9,637    |
| 11                  | G          |                 | 0.40                       | \$2,424   | \$12,800         | \$15,224   |
| 12                  | G, U       | 3.43            |                            | \$20,789  |                  | \$20,789   |
| 13                  | G          | 0.45            |                            | \$2,727   |                  | \$2,727    |
| 14                  | G          | 3.60            |                            | \$21,820  |                  | \$21,820   |
| 15                  | U          |                 | 0.78                       | \$4,728   | \$24,959         | \$29,687   |
| 16                  | U          | 2.39            | 0.06                       | \$14,849  | \$1,920          | \$16,769   |
| 17                  | U          | 1.10            | 0.32                       | \$8,607   | \$10,240         | \$18,846   |
| 18                  | U          | 2.12            | 0.32                       | \$14,789  | \$10,240         | \$25,029   |
| 19                  | I, U       |                 | 1.31                       | \$7,940   | \$41,919         | \$49,859   |
| 20                  | G, U       | 0.70            | 0.30                       | \$6,061   | \$9,600          | \$15,661   |
|                     | Subtotal   | 27.66           | 5.08                       | \$198,437 | \$162,557        | \$360,992  |

Table 3.9.2  
Cost Estimate - Access Roads.

| Road Segment Number | Ownership†   | ROW Length (mi) | Improvement Length (miles) | Land Cost        | Improvement Cost | Total Cost       |
|---------------------|--------------|-----------------|----------------------------|------------------|------------------|------------------|
| 21                  | U            |                 | 1.38                       | \$8,364          | \$44,159         | \$52,523         |
| 22                  | G, I, U      | 2.73            | 1.17                       | \$23,638         | \$37,439         | \$61,077         |
| 23                  | G, U         | 1.38            | 0.19                       | \$9,516          | \$6,080          | \$15,596         |
| 24                  | G, U         | 1.40            | 0.57                       | \$11,940         | \$18,239         | \$30,180         |
| 25                  | G, U         | 2.42            |                            | \$14,668         |                  | \$14,668         |
| 26                  | U            |                 | 0.23                       | \$1,394          | \$7,360          | \$8,754          |
| 27                  | U            | 1.69            |                            | \$10,243         |                  | \$10,243         |
| 28                  | U            | 0.68            | 0.19                       | \$5,273          | \$6,080          | \$11,353         |
| 29                  | M, G         | 0.81            | 0.23                       | \$6,303          | \$7,360          | \$13,663         |
| 30                  | G, U         |                 | 0.61                       | \$3,697          | \$19,519         | \$23,217         |
| 31                  | U            |                 | 0.45                       | \$2,727          | \$14,400         | \$17,127         |
| 32                  | I            |                 | 0.34                       | \$2,061          | \$10,880         | \$12,940         |
| 33                  | U            | 0.78            | 0.23                       | \$6,122          | \$7,360          | \$13,481         |
| 34                  | I, G         | 1.91            | 0.23                       | \$12,971         | \$7,360          | \$20,330         |
| 35                  | G            |                 | 0.13                       | \$788            | \$4,160          | \$4,948          |
|                     | Subtotal     | 13.80           | 5.95                       | \$119,705        | \$190,396        | \$310,099        |
|                     | <b>Total</b> | <b>41.46</b>    | <b>11.03</b>               | <b>\$318,142</b> | <b>\$352,949</b> | <b>\$671,091</b> |

Table 3.9.2 (con't.)

- † G denotes State or Federal Government.
- I denotes Irrigation company.
- M denotes Municipality.
- U denotes Unknown.

Ownership of each segment was investigated to verify that the Flood Control District had no prior rights to any of the proposed road segments. Even though Flood Control District staff were unsure of the ownership of many of the segments, largely due to incomplete or out-of-date county records, a search of Flood Control District holdings verified that only minor amounts of land is owned by the Flood Control District anywhere outside the 1000-foot corridor. The tedious work to determine which if any access road segments are already in Flood Control District ownership was not accomplished.

For each of the 35 segments the "Right-of-Way Length" (ROW Length) was measured as the distance from paved public right-of-way to the 1000-foot corridor boundary. The "Improvement Length" was measured as the distance from the end of an existing dirt road to the corridor boundary. Table 3.9.2 shows that nine segments require no improvements because the entire ROW Length is an existing dirt road. Nine other segments require improvements for the entire ROW Length because no road exists at all.

### **3.10 Management Policy Study**

The Management Policy Study is an engineering, economic, and data collection study intended to review the Flood Control District's past project policies (namely the clearing and pilot channel project) and recommend a long-term policy for the future. The study is scheduled to begin in the fall of 1994 and take approximately two years to complete. The scope of work has been previously supplied to FEMA and ADEM and is included herein in Appendix A. The budgeted monies, based on preliminary estimates, have been \$600,000. Table 1.1 reflects this cost. Even though the study limits are longer (60 miles from 67th Ave. to Citrus Valley Rd., west of Gila Bend) the analyses will be done from information and data collected from within the 36 miles of the Clearing and Pilot Channel project and applied over the entire 60 miles. Therefore, the \$600,000 is not prorated.

The flooding of 1993, which has been estimated as having a return period of approximately 20 to 25 years, nearly completely destroyed the clearing and pilot channel project. This flood was the first in the river since the pilot channels have been excavated. District staff are very concerned about re-establishing this costly project without first knowing its benefits (the reduction in damages associated with flooding) and its stability (how susceptible a cleared corridor and pilot channel are to being eroded). This is especially true in light of the considerable expense associated with environmental mitigation and the project's propensity for sustaining severe damage from only moderate flooding.

The study will quantify the benefits by determining how much the water surface elevation is lowered and how much the floodplain is narrowed by the corridor and pilot channel. The stability of the corridor will be determined by examining the gradation of the riverbed and estimating how flows transport particles in the riverbed given that gradation.

## **4 Summary**

This report has documented over \$15 million in costs that may reasonably be expected to be expended in re-establishing a project that is environmentally sensitive and that meets the original project purpose. The report was carefully prepared from 15 years of project files and other records. Where

judgment needed to be exercised, especially in Sections 3.6 and 3.7, care was taken to be conservative. Each section has been carefully reviewed for consistency and five appendices were used to include data sufficient to verify any figure presented in the body of the report.

Table 4.1 presents current dollar average costs for the project, and where applicable, annual costs for the life of the project. It should be noted again that these costs are exclusive of land acquisition and associated costs incurred therefrom. The unit costs are provided for future budgetary reasons and the annual costs demonstrate relative magnitude of expenses incurred in each cost category.

|                      |                                |                          |                |                       |                             |
|----------------------|--------------------------------|--------------------------|----------------|-----------------------|-----------------------------|
|                      | Environmental Permitting       | Environmental Mitigation | Debris Removal | Clearing and Grubbing | Earthwork for Open Channels |
| Unit Cost (per acre) | \$129                          | \$1,249                  | \$19           | \$352                 | N/A                         |
| Unit Cost (per mile) | \$15,598                       | \$151,419                | \$2,294        | \$42,710              | \$146,381†                  |
| Annual Cost (6.7%)   |                                |                          |                | \$164,711             | \$651,785                   |
| Annual Cost (3.7%)   |                                |                          |                | \$134,652             | \$577,629                   |
| Total Category Cost  | \$558,404                      | \$5,420,808              | \$82,141       | \$1,529,017           | \$3,937,662                 |
|                      | Engineering Studies and Design | Contract Administration  | Surveying      | Access Roads          | Management Policy Study     |
| Unit Cost (per acre) | \$120                          | N/A                      | N/A            | N/A                   | N/A                         |
| Unit Cost (per mile) | \$14,599                       | \$14,921                 | \$36,626‡      | \$12,785‡             | \$16,760                    |
| Annual Cost (6.7%)   | \$58,692                       | \$57,543                 |                |                       |                             |
| Annual Cost (3.7%)   | \$48,504                       | \$47,042                 |                |                       |                             |
| Total Category Cost  | \$522,656                      | \$534,173                | \$1,311,225    | \$671,091             | \$600,000                   |

**Table 4.1**  
**Project Unit Costs and Annual Expenditures.**

(adjusted to June 1994 dollars).

The "Capital Recovery Factor" (CAF) was used to determine annual costs, (see Appendix. C).

The remaining 8 cost categories' unit costs are based on 35.8 miles and 4,340 acres. This includes the Management Policy Study.

No annual costs were determined for those cost categories that have not existed throughout the life of the project or whose total costs were developed in this report and not incurred.

† Unit costs are based on 26.9 miles and the corresponding 3,261 acres.

‡ Unit costs are based on 52.49 miles of roads either purchased for right-of-way, to be improved, or both, (see Table 3.9.2).

**APPENDIX A**

SUPPORTING DOCUMENTATION

| DOCUMENT DESCRIPTION                           | Page  |
|------------------------------------------------|-------|
| Section 3.1 .....                              | A-1   |
| Contract 80-1 .....                            | A-1   |
| Contract 85-14 .....                           | A-7   |
| Job No. 5-50041-51 .....                       | A-11  |
| Job No. FCD025 .....                           | A-13  |
| Salt-Gila Watercourse Master Plan Report ..... | A-14  |
| Section 3.2 .....                              | A-16  |
| Section 3.3 .....                              | A-49  |
| Section 3.4 .....                              | A-59  |
| Contract 79-5 .....                            | A-59  |
| Contract 80-7 .....                            | A-62  |
| Contract 82-7 .....                            | A-72  |
| Contract 82-21 .....                           | A-77  |
| Contract 82-25 .....                           | A-86  |
| Contract 83-24 .....                           | A-94  |
| Contract 84-22 .....                           | A-100 |
| Section 3.5 .....                              | A-106 |
| Contract 82-13 .....                           | A-106 |
| Contract 85-18 .....                           | A-117 |
| Contract 87-3 .....                            | A-135 |
| Contract 88-16 .....                           | A-151 |
| Contract 90-2 .....                            | A-157 |
| Contract 91-8 .....                            | A-165 |

SUPPORTING DOCUMENTATION (con't)

| DOCUMENT DESCRIPTION                    | Page  |
|-----------------------------------------|-------|
| Section 3.6 .....                       | A-176 |
| Contract 80-6 .....                     | A-176 |
| Contract 80-9 .....                     | A-180 |
| Accounting Records .....                | A-193 |
| Perryville and Holly Acres Levees ..... | A-205 |
| Section 3.7 .....                       | A-222 |
| Section 3.8 .....                       | A-268 |
| Job No. 8325-00 .....                   | A-268 |
| Contract 87-3 .....                     | A-269 |
| Contract 88-51 .....                    | A-270 |
| Contract 90-49 .....                    | A-280 |
| Topographic Surveying .....             | A-285 |
| Section 3.9 .....                       | none  |
| Section 3.10 .....                      | A-288 |

CONTRACT FOR ENGINEERING AND SURVEYING SERVICES

CONTRACT FCD 80-1

WHEREAS, the Flood Control District of Maricopa County, Arizona, hereinafter called the DISTRICT, is desirous of having certain professional engineering and surveying services performed in connection with the Salt-Gila River Clearing Project.

WHEREAS, Harold E. Ditzler, a Registered Professional Engineer, doing business as Benham, Blair and Affiliates, Inc., hereinafter called the ENGINEER, is desirous of performing said services;

NOW, THEREFORE, the parties hereto mutually agree as follows:

The ENGINEER shall provide professional engineering and surveying services for: Preparation of an Environmental Assessment Report describing the environmental consequences of constructing a 1,000 foot wide clearing from 91st Avenue to Gillespie Dam in accordance with the attached Scope of Work, Exhibit A, dated July 30, 1979, and Proposal Extract, dated February 6, 1980, Exhibit B. and made a part hereof.

The fee for this contract is \$88,740.00, payable upon completion of the work as accepted by the DISTRICT, except that progress payments may be made on certification by the ENGINEER, and approved by the Chief Engineer and General Manager of the Flood Control District, on ninety percent (90%) of the work completed at the time of request for progress payment.

Whenever an alteration in the character of work results in a substantial change in the nature of the design, thereby materially increasing or decreasing the cost of the performance, the work will be performed in accordance with the contract and as directed; provided, however, that before such work is started, a contract change order or supplemental agreement shall be executed by the DISTRICT and the ENGINEER, such change order not to be effective until approved by the DISTRICT. Additions to, modifications, or deletions from the project provided herein may be made and the compensation to be paid to the ENGINEER may be adjusted accordingly by mutual agreement of the contracting parties. It is distinctly understood and agreed that no claim for extra work done or materials furnished by the ENGINEER will be allowed by the DISTRICT except as provided herein, nor shall the ENGINEER do any work or furnish any materials not covered by this agreement unless such work is first authorized in writing. Any such work or materials furnished by the ENGINEER without such written authorization first being given shall be at his own risk, cost, and expense, and he hereby agrees that without such written authorization he will make no claim for compensation for such work or materials furnished.

All documents, including original drawings, estimates, specifications, field notes and data are and remain the property of the DISTRICT. The ENGINEER may retain a set of reproducible record prints of drawings and copies of other documents.

ENGINEER shall perform its services as an independent contractor in accordance with its own methods, this Contract, and applicable laws and regulations.

Neither party hereto shall be considered in default in the performance of its obligations hereunder to the extent that the performance of any such obligations is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party.

DISTRICT may terminate this Contract at any time upon reimbursement to the ENGINEER of expenses which include reasonable charges for time and material.

ENGINEER may terminate this Contract in the event of nonpayment of fees as specified herein.

This Contract shall not be assigned by either party without prior written approval of the other except that ENGINEER may utilize in the performance of this Contract without prior approval of the DISTRICT, personnel or services of its related entities and affiliated companies as if they were an integral part of ENGINEER.

IN WITNESS WHEREOF, the parties herein have executed this Contract in quadruplicate.

ENGINEER

Howard E. Nitzler

Date: 2-20-80

RECOMMENDED BY:

W.D. Matthews  
Chief Engineer and General Manager,  
DISTRICT

Date: 2/20/80

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY,  
ARIZONA

By Fred Kooy, Jr.  
Chairman, Board of Directors

Date: February 25, 1980

ATTEST:

Phyllis Woodrill  
Clerk of the Board

#### NO KICK-BACK CERTIFICATION

The ENGINEER warrants that no person has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee; and that no member of the Board of Directors of the Flood Control District of Maricopa County, Arizona, or any employee of the Flood Control District of Maricopa County, has any interest, financially or otherwise, in the Consulting Engineering firm.

For breach or violation of this warranty, the Flood Control District of Maricopa County, Arizona, shall have the right to annul this contract without liability, or at its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

Signed: Howard E. Nitzler  
Date: 2-20-80

Distribution:

Board of Directors (2)  
Consulting Engineer  
Flood Control District files



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE



Ecological Services  
2934 W. Fairmount Avenue  
Phoenix, Arizona 85017

November 4, 1980

|            |  |
|------------|--|
| ADMITTED   |  |
| FILE       |  |
| SEARCHED   |  |
| SERIALIZED |  |
| INDEXED    |  |

Dick Perreault, Project Engineer  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

NOV 7 1980  
RECEIVED  
FLOOD CONTROL DISTRICT

Dear Mr. Perreault:

We have reviewed the draft environmental assessment report on the proposed clearing of phreatophytic vegetation on the Salt and Gila Rivers from 91st Avenue to Gillespie Dam, Maricopa County, Arizona, and have the following comments.

The document generally covers the environment and impacts of the proposed project, however, there are a number of errors in the information presented.

The sections depicting land use and land ownership contain most of the errors. In these sections maps on land ownership do not show all of the federal lands located along the river. Also, the descriptions of management of the P.L. 1015 lands are not correct.

Specific comments:

Summary - This section should be expanded to show specific benefits of the channel alignment proposed by the Fish and Wildlife Service.

1.1 Purpose, Page 1-1 - The first sentence should read ". . . Salt and Gila Rivers . . ." not just Gila River.

1.4.1.1 Maricopa County Flood Control District, Page 1-5 - The environmental report prepared by the Arizona Game and Fish Department dealt with only those lands owned by the department (Base and Meridian and Amator Tracts). Also, the impacts of the clearing from 91st to 123rd Avenues were not based on this report.

1.4.1.2 Salt River Project, Page 1-6 - The six dams and reservoirs discussed in this section are located on the Salt and Verde Rivers and not the Gila River.

1.4.2.1 Bureau of Land Management, Page 1-7 - Change the name of the town from Date Palm to Dateland.

FLOOD CONTROL DISTRICT  
RECEIVED

NOV 4 '80

A-3

Enclosure D

|   |         |       |
|---|---------|-------|
| 5 | CH ENG  | HYDRO |
| 4 | ASST    | LMgt  |
|   | ADMIN   | SUSP  |
|   | FILE    | 46/2  |
|   | DESTROY |       |
|   | MARKS   |       |

2.1 Proposed Action, Page 2-1, third paragraph - The Fish and Wildlife Service did not write an environmental assessment on the clearing between 91st and 123rd Avenues, nor did the Service issue a finding of no significant impact. The assessment referred to the 300-foot wide clearing from Powers Butte to Gillespie Dam. The clearing from 91st to 123rd Avenues was done on private, Indian and state lands with no federal lands involved.

Figure 3-4, Vegetation Communities - The large dashed lines on the maps should be identified or deleted. Also, the maps should be consecutively numbered, i.e., 3-4-1, 3-4-2, etc.

3.11.1.1 Federal lands, Pages 3-55 and 56 - The description of the Fred J. Weiler Greenbelt and its management is not correct. A good description of the area is found in 3.11.2.4.1, page 3-64.

Figure 3-5, Land Ownership - All of the lands in federal ownership are not identified on the maps. It appears that the P.L. 1015 lands are shown as state lands and not federal. Maps should be consecutively numbered.

Figure 3-6, Land Use - Land Class 9, Barren Land should be deleted, this is not a land use. Those lands used for wildlife management (P.L. 1015) should be so designated. Also, those lands within the Fred J. Weiler Greenbelt should be designated as "Natural Areas." Maps should be consecutively numbered.

Table 3.11.1, Page 3-63 - Percentage figures on this table should be checked, small grains appear to be too high, and cotton too low for present cropping patterns.

4.5.1, Proposed Action, Page 4-20 - This section should include a breakdown of how many acres of federal, state, and private lands would be cleared under each of the alternatives.

We appreciate the opportunity to review this report.

Sincerely,



Jennifer Fowler  
Acting Field Supervisor

cc:  
Arizona Game and Fish Department, Phoenix  
Area Manager, USFWS, Phoenix  
Regional Director, USFWS, Albuquerque, NM  
Benham-Blair & Associates, Inc., P.O. Box 2400, Oklahoma City, OK 73156

CHANGE ORDER NO. 1 TO CONTRACT  
FOR ENGINEERING SERVICES

Contract No. FCD 80-1

WHEREAS, the Flood Control District of Maricopa County, a political subdivision of the State of Arizona, hereinafter called the "DISTRICT" and Benham Blair and Affiliates, Inc., 1200 Northwest 63rd, P. O. Box 20400, Oklahoma City, Oklahoma 73156, hereinafter called the "ENGINEER" did execute a contract numbered FCD 80-1, signed February 2, 1980 for engineering services for:

Preparation of an Environmental Assessment Report describing the environmental consequences of constructing a 1,000 foot wide clearing in the Salt/Gila River bed from 91st Avenue to Gillespie Dam.

WHEREAS, additional engineering services are required to prepare and publish a camera ready copy of a Draft Environmental Impact Statement and a camera ready copy of a Final Environmental Impact Statement to describe the environmental consequences of constructing a 1,000 foot wide clearing in the Salt/Gila River bed from 91st Avenue to Gillespie Dam and to describe the mitigation measures required to reduce the environmental consequences of the clearing project.

NOW THEREFORE, the parties hereto mutually agree to modify Contract FCD 80-1 as follows:

ADD to Contract No. FCD 80-1, the Scope of Work EXHIBIT "C", dated February 3, 1981, attached hereto.

The fee for the work described in Exhibit "C" is \$18,936.00. An additional amount of \$2,500.00 is provided for work beyond the Scope of Exhibit "C". The fee for the original contract is \$88,740, of which \$7,190 of unearned funds remain. The net increase for this change order is \$14,246 and therefore, the amended total contract amount is \$102,986.

The amount of \$2,500 is provided for additional work not covered in Exhibit "C", such as additional field studies or for additional extensive data gathering. The ENGINEER shall provide the DISTRICT with a supplemental Scope of Work for any additional work. Any additional work performed by the ENGINEER will be paid according to the schedule shown in Exhibit "C", but only upon written approval of the DISTRICT'S Chief Engineer and General Manager.

This Change Order to Contract for Engineering Services, when executed, shall become part of Contract No. FCD 80-1.

IN WITNESS WHEREOF, the parties herein have executed this Change Order in quadruplicate.

ENGINEER:

Luis J. Dominguez PE.  
For Benham Blair & Affiliates, Inc.  
*Corporate Vice President*  
Date: FEB 18, 1981

FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY, ARIZONA

By: Tom Pfeiffer  
Chairman, Board of Directors

Date: MAR 16 1981

RECOMMENDED BY:

W.D. Mathews  
Chief Engineer and General Manager,  
DISTRICT

ATTEST:

Rhonda Woodell  
Clerk of the Board

Date: FEB 24 1981

1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:

The Board of Directors, on February 25, 1980, approved Contract FCD 80-1 between the Flood Control District and Benham, Blair and Associates, Inc. The provisions of the contract required the consultant to provide engineering services to prepare an Environmental Assessment Report describing the environmental consequences of constructing a 1,000 foot wide clearing in the Salt/Gila River from 91st Avenue to the Gillespie Dam. The U. S. Fish & Wildlife Service, on November 12, 1980, informed the Flood Control District that an Environmental Impact Statement would be required before the clearing project could be continued. When the suspend work order was issued to the consultant, \$7,190 of unearned funds remained from the \$33,740 contract amount.

Negotiations with the consultant have been completed for the required engineering services to prepare and publish the Environmental Impact Statement. It is requested that the Board of Directors approve and the Chairman sign all five copies of the enclosed Change Order No. 1 to Contract FCD 80-1 for \$14,246 with Benham, Blair and Associates, Inc. Please return four copies to the Flood Control District and retain one for the Clerk's files. Funds are included in the current fiscal year budget for this change order.

2. COST OF PROPOSAL:

|                       |             |       |              |
|-----------------------|-------------|-------|--------------|
| Funding Source:       | FCD         | _____ | TOTAL        |
| Funding Amount:       | \$14,246    | _____ | \$14,246     |
| Other Cost:           | Indirect    | -0-   | Next F/Y -0- |
| Additional Employees: | Current F/Y | -0-   | Next F/Y -0- |

3. RECOMMENDED MOTION:

It is moved that the Board of Directors approve Change Order No. 1 to Contract FCD 80-1 with Benham, Blair & Associates, Inc. for the preparation of an Environmental Impact Statement for the Salt/Gila River Clearing Project.

ACTION TAKEN:  APPROVED  DISAPPROVED  CONTINUED DATE: 3/16/81

4. LEGAL REVIEW:

Approved as to form: (X)  
Not necessary: ( )

*[Signature]*  
CLERK OF THE BOARD  
*[Signature]*  
FLOOD CONTROL DISTRICT GENERAL COUNSEL

5. FINANCIAL REVIEW:

Department of Finance (X)  
Office of Management & Budget ( )  
Not necessary ( )

\_\_\_\_\_  
FINANCIAL OFFICER

6. PERSONNEL REVIEW:

Personnel ( )  
Not necessary (X)

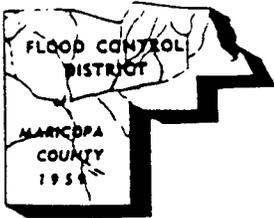
\_\_\_\_\_  
PERSONNEL DIRECTOR

7. ACTION RECOMMENDED BY:

W. D. Mathews  
Chief Engineer and General Manager  
NAME & TITLE

Signed - W. D. MATHEWS  
SIGNATURE FEB 24 1981

\_\_\_\_\_  
APPROVING OFFICIAL



FLOOD CONTROL DISTRICT of Maricopa County

Interoffice Memorandum

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| CMT.<br>NO. | SUBJECT: CONSULTANT SELECTION FOR CONTRACT FCD 85-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> FILE FCD 85-14<br><input type="checkbox"/> DESTROY |
|             | <p>TO: FILE</p> <p>FROM: R. Perreault</p> <p>DATE: 25 March 1985</p> <ol style="list-style-type: none"><li>1. It is necessary to amend the EIS for the Salt/Gila River Clearing Project to allow the District to receive permission to construct pilot channels within the clearing. Initially, when I learned of the amendment requirement from the U.S. Fish and Wildlife Service (USFWS), I thought that the amendment could be written and published by the FCD staff.</li><li>2. In later discussions with the USFWS, I learned that the amendment document to be produced was considerably more than an administrative addition to the EIS. The decision was then made that we should hire a consultant to develop and write the amendment. Since Benham-Blair &amp; Associates, who wrote the EIS, no longer have an office in town, we needed to hire another qualified consulting firm.</li><li>3. It was estimated that the amendment could be published for less than \$25,000. The District's consultant selection committee reviewed the District's consultant qualifications files and selected three firms. It was decided that, based on qualifications, Boyle Engineering Corporation would be contacted and would be requested to submit a proposal.</li><li>4. Boyle's proposal was received on March 4, 1985, and was reviewed by the staff. The USFWS was also contacted concerning the tasks that should be included in the scope of work. The committee met with Mr. Ken Lewis from Boyle Engineering on March 13, 1985. The scope of work was slightly modified and the lump sum contract was negotiated for \$23,128. The revised scope of work reflecting the negotiated fee was submitted on March 14, 1985.</li><li>5. The contract documents have been prepared and the contract is being processed for the Board of Directors' agenda for April 15, 1985.</li></ol> <p><br/>Richard G. Perreault<br/>Project Engineer</p> <p>RGP/jnk</p> | <p>Info: NPK<br/>EOK<br/>SLS<br/>DES</p> <p>File: FCD 85-14</p>                        |

Fee Estimate for EIS Amendment  
for Low Flow Drain and Spoil Areas

| Task Description                                     | Senior<br>Engineer<br>@<br>\$65/hr<br>(hrs) | Associate<br>Engineer<br>@<br>\$45/hr<br>(hrs) | Assistant<br>Engineer<br>@<br>\$35/hr<br>(hrs) | Draftsman<br>Technician<br>@<br>\$33/hr<br>(hrs) | Clerical<br>@<br>\$22/hr<br>(hrs) | Total<br>(\$) |
|------------------------------------------------------|---------------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------------|---------------|
| 1. Review existing data                              | 8                                           |                                                |                                                |                                                  |                                   | \$52          |
| 2. Establish size of low flow drain                  | 15                                          |                                                | 15                                             |                                                  |                                   | \$1           |
| 3. Establish environmental effects of low flow drain | 32                                          | 32                                             |                                                |                                                  |                                   | \$3,52        |
| 4. Establish first pass spoil areas                  | 32                                          |                                                | 48                                             | 20                                               |                                   | \$4,42        |
| 5. Review and modify spoil areas                     | 16                                          | 32                                             | 36                                             | 20                                               |                                   | \$1,120       |
| 6. Establish environmental effects of spoil areas    | 32                                          |                                                | 8                                              |                                                  |                                   | \$1,120       |
| 7. Prepare preliminary draft report                  | 32                                          |                                                | 20                                             | 20                                               | 20                                | \$3,960       |
| 8. Prepare final draft report                        | 16                                          |                                                | 16                                             | 16                                               |                                   | \$2,112       |
| 9. Prepare final report (contingency)*               |                                             |                                                |                                                |                                                  |                                   | \$40          |
| 10. Computer time @ \$15/hour                        |                                             |                                                |                                                |                                                  |                                   | \$40          |
| <b>TOTALS</b>                                        | 183                                         | 64                                             | 143                                            | 76                                               | 20                                | \$27,112      |

\* A contingency item to be carried out on a time and materials basis after authorization to proceed

SOLUTION FOR A TRAPEZOIDAL CHANNEL

IS LOW FLOW CHANNEL SECTION 6/14/85

---

|                |             |               |               |
|----------------|-------------|---------------|---------------|
| DISCHARGE      | 1000.00 CFS | BASE WIDTH    | 85.00 FEET    |
| VELOCITY       | 3.64 FPS    | SIDE SLOPE    | 2.00 TO 1     |
| NORMAL DEPTH   | 3.02 FEET   | AREA          | 274.59 SQ.FT. |
| BOTTOM SLOPE   | 0.00120     | TOP WIDTH     | 97.07 FEET    |
| MANNING'S N    | 0.0280      |               |               |
| CRITICAL DEPTH | 1.61 FEET   | VELOCITY HEAD | 0.21 FEET     |
| ROUDE NUMBER   | 0.38        | P + M         | 32335 POUNDS  |
| CRITICAL SLOPE | 0.00998     |               |               |

ADOPT FOR DESIGN



**Boyle Engineering Corporation**

531 East Bethany Home Road  
Phoenix, Arizona 85012

consulting engineers

602 / 263-9685

Maricopa County Flood Control  
District  
3335 W. Durango Street  
Phoenix, AZ 85009

#2234

**INVOICE**

January 8, 1986  
PH-M04-103-01

Attention: Mr. Dick Perreault  
Contract FCD 85-14

Engineering Services for preparation of an amended EIS for Salt and Gila Rivers Pilot Channel.

|                            |   |                            |
|----------------------------|---|----------------------------|
| Project Complete 100%      | = | \$23,128.00                |
| Less Previous Invoices     | = | <u>21,784.17</u>           |
| Total Due This Invoice     | = | 1,343.83 ✓                 |
| Plus 10% retention         | = | <u>2,178.42</u> ✓          |
| Total Amount Due & Payable |   | <u><u>\$3,522.25</u></u> ✓ |

OK  
RGP, 1/17/86

Kenneth V. Lewis

KL:sb

FLOOD CONTROL DISTRICT  
RECEIVED

JAN 11 1986

|         |         |
|---------|---------|
| CH ENG  | HYDRO   |
| ASST    | LMgt    |
| ADMN    | SUSP    |
| C & O   | FILE    |
| ENGR    | DESTROY |
| FINANCE | 2/17/86 |
| REMARKS |         |

PLEASE REMIT TO:

Flood Control District of  
Maricopa County  
ATTN: Catesby W. Moore  
3335 West Durango Street  
Phoenix, AZ 85009



41674 CHRISTY STREET  
FREMONT, CA 94538-3114  
(415) 659-0404 • FAX (415) 651-4677

Gila River low flow  
channel  
Jackrabbit Trail  
Bridge and Sarival Ave.

Southern California Regional Office 17062 Murphy Avenue, Irvine, CA 92714-5914 (714) 756-8866 Fax: (714) 756-5317  
Arizona Regional Office 1520 W. Mineral Road, Suite A-1, Tempe, AZ 85283 (602) 345-6640 Fax: (602) 345-8149

|                  |               |                |                   |            |
|------------------|---------------|----------------|-------------------|------------|
| BILL DATE        | COST THROUGH  | INVOICE NUMBER | P.O. CONTRACT NO. | JOB        |
| October 31, 1990 | October, 1990 | 90-6315        | A12808            | 5-50041-51 |

INVOICE DESCRIPTION: Phase I Environmental Site Assessment

| ITEM                        | DESCRIPTION          | PRICE                         |
|-----------------------------|----------------------|-------------------------------|
| 1                           | Total labor          | \$ 5,480.20                   |
| 2                           | Total Direct Charges | 401.97                        |
| Itemized statement attached |                      |                               |
|                             |                      | PAY THIS AMOUNT ► \$ 5,882.17 |

A-11

ET JOB #  
5-50041-51

Labor Charges

| Personnel       | Rate<br>Hours | Hours<br>Charged | Rate<br>Hrs. | Travel<br>Hours | Cost       |
|-----------------|---------------|------------------|--------------|-----------------|------------|
| Program Manager | \$77.00       | 4.00             |              |                 | \$308.00   |
| Supervisor      | \$44.00       | 11.50            | \$22.00      | 4.00            | \$594.00   |
| Geologist       | \$49.50       | 14.50            | \$24.75      | 4.00            | \$816.75   |
| Chemist         | \$49.50       | 54.00            | \$24.75      | 7.00            | \$2,846.25 |
| Technician      | \$24.20       | 12.00            | \$12.10      | 8.00            | \$387.20   |
| Administrative  | \$44.00       | 12.00            |              |                 | \$528.00   |

TOTAL LABOR \$5,480.20

| Direct Charges<br>Description | Rate<br>Unit | Units | Base Cost | Multiplier | Total Direct<br>Charges |
|-------------------------------|--------------|-------|-----------|------------|-------------------------|
| Profile Fee                   |              |       | \$250.00  | 15.00%     | \$287.50                |
| Map                           |              |       | \$11.54   | 15.00%     | \$13.27                 |
| Vehicle #1/Mileage            | \$1.98       | 40.00 |           |            | \$79.20                 |
| Vehicle #2/Mileage            | \$0.55       | 40.00 |           |            | \$22.00                 |

TOTAL DIRECT CHARGES \$401.97

TOTAL AMOUNT \$5,882.17

FLOOD CONTROL DIST OF MARICOPA COUNTY  
 CONTRACT FCD 90-70  
 2801 WEST DURANGO STREET  
 PHOENIX, AZ 85009

INVOICE NO. 22820696  
 Job Number FCD025  
 Client No. 3833  
 Invoice Date 11-27-92  
 Page 1 of 1

Name Middle Gila River  
 Location Goodyear, AZ  
 Authorized By Mr. Clin Sutton  
 P.O.

Comments This invoice is for services performed from 09-30-92 through 11-13-92.

| QTY | QUANTITY | WORK DESCRIPTION | UNIT | AMOUNT |
|-----|----------|------------------|------|--------|
|-----|----------|------------------|------|--------|

Environmental Services:

|       |                                     |        |         |
|-------|-------------------------------------|--------|---------|
| 64.5  | Site Assessor, per hour             | 65.00  | 4192.50 |
| 28.5  | Field Technician, per hour          | 30.00  | 855.00  |
| 502.0 | Mileage, per mile                   | .40    | 200.80  |
| 13.0  | Clerical/Drafting Support, per hour | 35.00  | 455.00  |
| 1.0   | Photodocumentation                  | 89.66  | 89.66   |
| 1.0   | Aerial photos                       | 297.05 | 297.05  |
| 1.0   | Color copies                        | 14.00  | 14.00   |
| 4.0   | Magnetometer rental, per day        | 42.00  | 168.00  |
| 1.0   | Vehicle gas                         | 46.80  | 46.80   |

RECEIVED  
 DEC 4 1992

|                        |        |
|------------------------|--------|
| FLOOD CONTROL DISTRICT |        |
| RECEIVED               |        |
| DEC 4 1992             |        |
| CHIEF                  | P & PM |
| DEP                    | INSTR  |
| ADMIN                  | MAINT  |
| FINANCE                | FILE   |
| IC&O                   |        |
| ENGR                   |        |
| REMARKS                |        |

ACTION : 247  
 VOICED BY : Dave Regonini/prn *dlB*

INVOICE TOTAL 6318.81

NET 10 DAYS  
 UNTS NOT PAID WITHIN TERMS WILL BE SUBJECT TO  
 MUM SERVICE CHARGE PERMISSIBLE



**FINAL REPORT  
FOR THE  
SALT-GILA RIVER  
WATERCOURSE  
MASTER PLAN  
SCOPING PROJECT  
(TASK 8.0)**

**Prepared for  
Flood Control District of  
Maricopa County  
2801 West Durango  
Phoenix, Arizona 85009  
January 31, 1994**

**Woodward-Clyde**

**Woodward-Clyde Consultants  
One Gateway  
426 North 44th Street, Suite 300  
Phoenix, Arizona 85008  
(924X128A)**

| Task Description                                                                                                                                                                                  | Responsibility                                                                                     | Estimated Schedule (months duration) | Estimated Cost (\$000) | Potential Funding Sources                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|------------------------|--------------------------------------------------------------------|
| Task II-C-4: Determine NEPA compliance process and permitting requirements.                                                                                                                       | Consultant / Staff / Master Plan Participants / Regulatory Agencies                                | 7/95 - 1/96<br>(7 mos)               | 12                     | Master Plan Participants / USACOE                                  |
| Task II-C-5: Identify cumulative impacts and benefits of each alternative within Master Plan Area.                                                                                                | Consultant / Staff / Master Plan Participants / Regulatory Agencies / Citizens of Master Plan Area | 1/96 - 7/96<br>(7 mos)               | 24                     | Master Plan Participants / Federal, state, local grants            |
| Task II-C-6: Complete appropriate NEPA documentation (e.g., Programmatic EIS) including baseline environmental studies, NEPA compliance process, and associated reviews (e.g., NHPA Section 106). | Consultant / Master Plan Participants / Regulatory Agencies / Staff                                | 1/96 - 6/97<br>(18 mos)              | \$ 1,306               | USACOE or EPA Grant / Master Plan Participants                     |
| Task II-C-7: Obtain Clean Water Act Section 404 General Permit for Master Plan Area.                                                                                                              | Consultant / Master Plan Participants / U.S. Army Corps of Engineers                               | 1/97 - 6/97<br>(6 mos)               | 156                    | Master Plan Participants                                           |
| Task II-C-8: Execute an MOU with all appropriate regulatory agencies having oversight responsibilities for Master Plan Area.                                                                      | Master Plan Participants / Regulatory Agencies                                                     | 1/97 - 6/97<br>(6 mos)               | 6                      | Master Plan Participants                                           |
| Task II-C-9: Revise the detailed Master Plan Concept (Task II-C-3) to conform with approved conditions and limitations of regulatory agencies.                                                    | Consultant / Staff / Master Plan Participants / Citizens                                           | 6/97 - 9/97<br>(4 mos)               | 13                     | Master Plan Participants                                           |
| Task II-C-10: Obtain approval of revised Master Plan and final funding commitments for Phase III and IV from Participants.                                                                        | Staff / Elected Officials of Master Plan Area                                                      | 9/97 - 12/97<br>(4 mos)              | 13                     | Master Plan Participants                                           |
| Task II-C-11: Select specialized Consultants to prepare plan elements.                                                                                                                            | Staff / Master Plan Participants                                                                   | 9/97 - 12/97<br>(4 mos)              | 25                     | Master Plan Participants                                           |
| <b>PHASE III: MASTER PLAN DEVELOPMENT</b>                                                                                                                                                         |                                                                                                    |                                      |                        |                                                                    |
| Phase III-A: Data Development and Application                                                                                                                                                     | --                                                                                                 | 9/97 - 3/98                          | \$ 131                 | --                                                                 |
| Task III-A-1: Review Master Plan Area Data Base and Information Repository (created in Task II-C-1) and identify data gaps or additional information needs.                                       | Consultant / Staff                                                                                 | 9/97 - 12/97<br>(4 mos)              | 19                     | Master Plan Participants / Federal, state, local grants            |
| Task III-A-2: Conduct studies to fill remaining data gaps.                                                                                                                                        | Consultant / Regulatory Agencies                                                                   | 1/98 - 6/98<br>(6 mos)               | 94                     | Master Plan Participants / Federal, state, local grants / agencies |



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE



Ecological Services  
2934 W. Fairmount Avenue  
Phoenix, Arizona 85017

FLOOD CONTROL DISTRICT  
**RECEIVED**

March 5, 1981

MAR 10 '81

Gary Hunt, Project Manager  
Benham, Blair and Associates, Inc.  
P. O. Box 20400  
Oklahoma City, Oklahoma 73156

|   |       |       |      |
|---|-------|-------|------|
| 6 | ENG   | INDEX |      |
| 5 | ASST  | ✓     | 1000 |
|   | ADMIN |       | 1000 |
| 3 | C     |       | 1000 |
|   | EXPL  |       | 1000 |
|   |       |       |      |
|   |       |       |      |

Dear Mr. Hunt:

The following mitigation plan is provided for inclusion into the DEIS you are preparing for the Salt-Gila River Clearing Project, Maricopa County, Arizona. It has been developed in cooperation with the Arizona Game and Fish Department, Bureau of Land Management, Maricopa Audubon Society, Flood Control District of Maricopa County, Arlington Canal Company, Buckeye Irrigation Company, Citizens for Water Control Development, Arizona Wildlife Federation and our Service and is based on six general concepts.

1. Alignment of the proposed channel to take advantage of existing channel and avoid prime dove nesting habitat.
2. Planting of trees along outside edge of the cleared channel.
3. Planting of small grains, grass, etc., in cleared areas where soil conditions are favorable. This could possibly be done in conjunction with and during the annual clearing and maintenance operation. These plantings, if successful, may inhibit growth of salt cedar and would provide a source of food for wildlife.
4. Development of wildlife habitat on lands managed by the Arizona Game and Fish Department located outside the proposed cleared areas.
5. Excavation of potholes or ponding areas in high groundwater areas along the cleared channel to create open water habitat. This could easily be accomplished during the clearing operation with bulldozers or draglines.
6. Strip clearing in more heavily vegetated areas.

If these or other mitigation concepts could not be implemented, lands owned and managed by the Arizona Game and Fish Department could possibly be acquired or leased by the Flood Control District in a manner consistent with appropriate Federal Aid Regulations where applicable. Funds derived through this process could then be used to develop or acquire similar habitat, preferably very near to or in the project area.

ENCLOSURE A.

Using these concepts, we have drafted the following mitigation plan that, if implemented, would adequately compensate for wildlife habitat lost as a result of the clearing project.

Proposed Mitigation Plan

1. Selection of the 1000-foot channel proposed by the U. S. Fish and Wildlife Service as the proposed action.
2. Develop habitat at existing Arizona Game and Fish Department management areas.

Base and Meridian Tract

- . Plant two, 5-acre thickets of trees.
- . Plant approximately 2 to 5 acres of food crops if soil conditions are favorable.

Amator Tract

- . Plant two, 5-acre thickets of trees.
- . Plant approximately 2 to 5 acres of food crops if soil conditions are favorable.

Robbins Butte

- . Improve existing mesquite bosque on management area by planting approximately 200 additional mesquite trees and providing an adequate water supply.

Arlington Wildlife Area

- . Plant five, 5-acre thickets of trees.
- . Plant 40 acres of food crops.
- . Restore ponding area that silted in by recent flooding.

P.L. 1015 lands from 123rd Avenue west for 2 miles

- . Plant two, 5-acre thickets of trees and 1 mile of willows and cottonwoods.
- . Reroute clearing to south side of channel where flood channel now exists as proposed by the U.S. Fish and Wildlife Service.

P.L. 1015 lands from Agua Fria River downstream past Casey Abbot Park

- . Plant two, 5-acre thickets of trees and 1 mile of willows and cottonwoods.
- . Reroute clearing as proposed by the U. S. Fish and Wildlife Service.

From Dean Road to Watson Road (2 miles)

- . Reroute clearing to the south as proposed by the U. S. Fish and Wildlife Service.

P.L. 1015 lands from Watson Road to Miller Road

- . Limit clearing of vegetation to strips approximately 100 feet wide.

P.L. lands from Miller Road to Powers Butte

- . Reroute clearing to the south as proposed by the U.S. Fish and Wildlife Service.
- . Provide five approximately 2-acre ponding areas, two located immediately north of Robbins Butte Management Area.
- . Plant six to eight, 5-acre thickets of trees and 4 miles of willows and cottonwoods.
- . Plant approximately 40 to 30 acres of food crops in cleared areas if soil conditions are favorable.
- . Limit clearing of vegetation to strips approximately 100 feet wide.

P.L. 1015 lands from Powers Butte to Gillespie Dam

- . Plant five, 5-acre thickets of trees and 2 miles of willows and cottonwoods.
- . Plant approximately 20 acres of food crops if soil conditions are favorable.
- . Provide one ponding area approximately 2 acres in size.

In carrying out the preceding mitigation measures, we recommend that the following tree species be planted at the rate of 50 to 75 trees per acre, in 5-acre thickets at least 200 feet wide.

Fremont Cottonwood (Populus fremonti)  
Texas mulberry (Morieria microphylla)  
Mesquite (Velvet) (Prosopis velutina)  
Blue Paloverde (Cercidium floridum)  
Athel Tamarisk (Tamarix aphylla)  
Sycamore (Platanus wrightii)

Willows, Chilopsis linearis, should be planted in strips 10 to 15 feet wide at the rate of about 400 to 500 trees per mile.

All trees should be started from 4- to 5-foot high cuttings or rooted trees. Before planting, an 8-inch auger should be used to break up the soil layers down to the water table if possible, or at least 5 feet in depth.

Food crops should include grains such as sorghum, barley, and wheat and the following grass species:

Blue panic grass (Panicum antidotale)  
Alkali sacaton (Sporobolus airoides)  
Lahmann lovegrass (Eragrostis lehmanniana)

Grass should be seeded to obtain a distribution of approximately 60 seeds per square

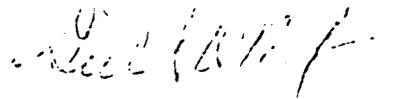
foot (about 6 to 10 pounds per acre).

Ponding areas could be dug during the clearing operation with bulldozers or draglines. The ponds would be more valuable and attractive if they could be placed where a flow through is possible; this would keep the waters fresh. However, some ponds should be excavated in high groundwater areas to create open water. Ponds should be at least 4 feet in depth, cover about 1 to 2 acres, and have gently sloping banks.

We are still trying to develop cost estimates for these mitigation proposals and will provide you with such information as soon as we can.

If you have any questions, please call Ron McKinstry at 241-2493.

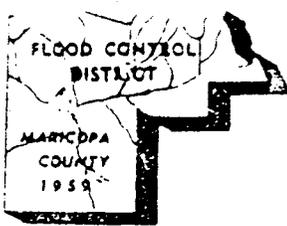
Sincerely,



Gilbert D. Metz  
Field Supervisor

cc:

Arizona Game and Fish Department, Phoenix, AZ.  
Flood Control District, Phoenix, AZ.  
Bureau of Land Management, Phoenix District Office, Phoenix, AZ.  
Ed Taley, Arizona Wildlife Federation, Phoenix, AZ.  
Bob Witzeman, Maricopa Audubon Society, Phoenix, AZ.  
Chet McNabb, Arlington, AZ  
Chuck Kupcik, Buckeye Irrigation Company, Buckeye, AZ  
Arizona Wildlife Society, Phoenix, AZ  
Arlington Canal Company, Arlington, AZ.  
Adren Reichert, Holly Acres Flood Control Assn.  
Area Manager, Fish and Wildlife Service, Phoenix  
Regional Director, USFWS, Albuquerque, NM (ENV)  
Regional Director, USFWS, Albuquerque, NM (RE)



FLOOD CONTROL DISTRICT of Maricopa County

Interoffice Memorandum

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CMT<br>NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SUBJECT Proposed Realignment for 1000 foot Clearing in Salt/Gila River. | <input checked="" type="checkbox"/> FILE LG 1.2.2<br><input type="checkbox"/> DESTROY |
| TO N. P. Karan FROM R. G. Perreault DATE April 3, 1981<br>S. L. Smith                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                         |                                                                                       |
| <p>Re: Mitigation Plan developed by FWS</p> <ol style="list-style-type: none"> <li>1. The FWS has developed a plan to mitigate loss of habitat due to the construction of a 1000 foot clearing from 91st Avenue to the Gillespie Dam. Primarily their plan consists of:           <ol style="list-style-type: none"> <li>A. Re-routing the alignment to the south to avoid prime habitat in specific areas.</li> <li>B. Plant trees linearly along the clearing</li> <li>C. Plant tree thickets along the clearing</li> <li>D. Plant grain and grasses to provide food for wildlife</li> <li>E. Develop small ponding areas</li> <li>F. Strip clear (100 feet wide) heavily vegetated areas.</li> </ol> </li> <li>2. The mitigation plan is enclosure A. The required quantities for mitigation are enclosure B. Costs are presently being developed by FWS and are not currently available.</li> <li>3. The purpose of the project is to help alleviate flooding experienced along the rivers and provide interim partial flood control until permanent higher level protection can be provided. Most damages occur along the north bank of the rivers. Low flow channels meander in the river bed and migrate from flood to flood. It is anticipated that clearing vegetation will reduce the resistance to flow; reduce the water surface elevation and reduce backwater property damages. It is also anticipated that erosion and scour will occur along the cleared alignment.</li> <li>4. Problem: The 1000 foot alignment proposed by FCD is the alignment developed by the COE in 1957. The topography and low flow thalweg have been altered due to the floods occurring during the last 24 years. This alignment does not take into account bridges constructed or planned since 1957. Location and density of vegetation has changed significantly since 1957.</li> <li>5. Assumptions:           <ol style="list-style-type: none"> <li>A. In order for the FCD to receive permission to construct the clearing, some or all of the FWS's mitigation measures must be agreed to and provided.</li> </ol> </li> </ol> |                                                                         |                                                                                       |



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE



Ecological Services  
2934 W. Fairmount Avenue  
Phoenix, Arizona 85017

U.S. CONTROL DISTRICT  
**RECEIVED**

APR 22 '81

April 20, 1981

Gary Hunt, Project Manager  
Benham, Blair and Associates, Inc.  
P.O. Box 20400  
Oklahoma City, Oklahoma 73156

|        |         |
|--------|---------|
| CH ENG | HYDRD   |
| ASST   | LMPT    |
| ADMIN  | SUSP    |
| FILE   | DESTROY |

261224

Dear Mr. Hunt:

We have reviewed the Preliminary Draft Environmental Impact Statement, "Clearing of Phreatophytic Vegetation from the Salt and Gila River, Ninety-First Avenue to Gillespie Dam, Maricopa County, Arizona", and in general find it to be a well written document. We do have the following specific comments that we believe should be incorporated in the draft EIS.

Section 1.4.2.1. Bureau of Land Management, page 8.

Only the P.L. 1015 lands are administered by the FWS.

Section 3.11.1.1.1. Fred J. Weiler Greenbelt, page 64.

Enforcement authority of the AGFD on all areas of the Fred J. Weiler Greenbelt Resource Conservation Area, except the P.L. 1015 lands, is confined to State game laws.

Section 4.2.1.1. Clearing Phase, page 81.

The 453 acres between Ninety-first Avenue and One hundred twenty-third Avenue have already been cleared.

Section 4.2.3.1. Clearing Phase, page 87.

The 207 acres between Ninety-first Avenue and One hundred twenty-third Avenue have already been cleared.

Section 4.11.1.2.2. Project Benefits, page 116.

It is stated that "when annual benefits are compared to annual costs the resultant difference would be the net benefit" - this "net benefit" is listed as \$357,164. Shouldn't this instead be described as a "net cost", as the annual costs exceed the annual benefits by \$357,164?

Section 4.13.3. Wildlife, pages 123-126.

The following costs for implementing the described wildlife mitigation is provided for your consideration and incorporation into this section as appropriate.

Cost of planting trees.

12,000 trees @ \$4.00 each = \$48,000.

Planting food crops.

110 acres @ \$45.00 per acre = \$4,950.

Excavation of ponding areas.

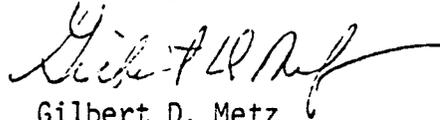
14 acres (51,630 cubic yards) @ \$1.10 per cubic yard = \$56,795.

Total estimated cost of wildlife mitigation.

\$109,745

If you have any questions, please call Ron McKinstry at 241-2493.

Sincerely,



Gilbert D. Metz  
Field Supervisor

cc:

Area Manager, USFWS, Phoenix, AZ  
Regional Director, USFWS (ENV), Albuquerque, NM  
Flood Control District of Maricopa County, Phoenix, AZ  
Director, Arizona Game and Fish Department, Phoenix, AZ

A SUMMARIZATION OF  
REMAINING MITIGATION RESPONSIBILITIES

on

SALT / GILA CLEARING, GILA RIVER LOW FLOW, and  
LOWER AGUA FRIA RIVER, with COMMENT on RWCD

MCFCD, USFWS, AZ G&F

November 25, 1996

2:00 p.m.

AGENDA

- I. REVIEW OF ACCOMPLISHED MITIGATION MEASURES ON RWCD &  
SALT / GILA CLEARING
- II. REVIEW OF PLANNED MITIGATION MEASURES FOR AGUA FRIA RIVER
- III. REVIEW OF PLANNED SALT / GILA LOW-FLOW MITIGATION MEASURES
- IV. DEVELOPMENT OF AGREED PROGRAM FOR COMPLETION OF ALL  
OUTSTANDING MITIGATION REQUIREMENTS
- V. OTHER
- VI. ADJOURNMENT

MINUTES

SUMMARIZATION OF  
REMAINING MITIGATION RESPONSIBILITIES  
ON  
SALT / GILA CLEARING, GILA RIVER LOW FLOW, and  
LOWER AGUA FRIA RIVER, with COMMENT on RWCO

FCCMC, USAWS, and AZ G&F

Tuesday, November 25, 1986

2:00 p.m.

A meeting between representatives of the Flood Control District, U.S. Fish and Wildlife Service, and the Arizona Game and Fish Department was held on Tuesday, November 25, 1986 to review mitigation efforts accomplished to date, review remaining mitigation requirements, and to arrive at mutual agreement regarding the satisfaction of these remaining requirements.

Those in attendance were Eob Payette, Dick Ferreault, and Jay Paxson from the Flood Control District, Don Metz from the U. S. Fish and Wildlife Service, and John Carr from the Arizona Game and Fish Department.

1) Eob Payette reviewed the background of various Flood Control Projects and their related mitigation requirements. With regard to the Salt / Gila Rivers clearing project, he detailed the requirements and accomplishments referring to the charts developed for this purpose in 1982 and modified in February 1983.

A brief review of the "Amator" and "Ease and Meridian" properties and the August 18, 1980 agreement between FCD and the AZ G&F was conducted. John Carr and Don Metz agreed that any plantings in the area would be unnecessary and agreed to release the District from any additional requirements in the area.

Eob Payette also took the opportunity to discuss the unfortunate failure of the mesquite plantings within the RWCO mitigation area adjacent to the Arlington Canal. He pointed out that the FCD had fulfilled all of their requirements during the establishment period, yet the majority of the plants failed to survive. Such heavy mortality, Eob pointed out, was a function of the extremely high salinity conditions found on-site in the soil and in the water drawn from the adjacent Arlington Canal.

2) Jay Paxson briefly reviewed the results of his survey for possible stub planting sites in the Agua Fria River. The results of this survey showed no potential for on-site mitigation. Jay and Dick Perreault detailed an alternative site where these plantings might be made, downstream from the S. R. 85 bridge along the north fork of the Gila River. A third alternative was suggested which included development of an irrigation system and plantings in conjunction with the the Sun Circle Trail near Avondale. The consensus was to make the plantings along the north fork of the Gila River.

3) Dick Perreault and Jay Paxson reviewed the proposed plantings for the Gila Low Flow (Pilot Channel) pointing out two areas where these plantings could be made, namely the same general area downstream from S. R. 85 bridge as proposed for satisfying the Lower Agua Fria requirements as well as in the Arlington valley adjacent to the Gila River, along the "sugar dike" aligned with 331st Avenue.

John Carr expressed his Department's concern that the Low Flow through the pilot channel might adversely affect the fishery along this reach of the river. He recognized that the fishery was not a sport-oriented fishery, but that it was important from the respect that it represented a food base, supporting many other forms of wildlife above it in the food chain. Dick Perreault explained that existing flows would continue to follow the same paths as they had previously. He explained that the grade of the new channel would be somewhat above that of the existing channels, and would carry water only in the event of higher than normal flows in the River.

#### 4) AGREED ACTION

##### SALT / GILA CLEARING and RWCD

It was agreed that all mitigation requirements for the Salt / Gila Clearing and RWCD Diversion Channel have been satisfied.

##### LOWER AGUA FRIA RIVER

In satisfaction of required mitigation for the Lower Agua Fria River it was agreed that one acre of mixed riparian tree species (Fremont cottonwood and Goodding willow), composed of 75 trees, would be planted downstream from S. R. 85 Bridge along the north fork of the Gila River. That these plantings would be performed in the sandbar on the south side of the the north fork of the river. Mechanical preparation of the site would be accomplished by selectively removing overburden down to the static water level. Plants would be placed in a staggered pattern approximately 24 feet on centers. In the event that sufficient area is not available at this site, the remainder of the plantings would be made along the "sugar dike" following the alignment of 331st Avenue in the Arlington valley. All plantings would be under the direction and supervision of the District Revegetation Ecologist.

It was further agreed that three escape ramps would be constructed and maintained within the project area at Stations 32+00; 155+00; and 159+00.

**SALT / GILA LOW FLOW (PILOT CHANNEL)**

It was agreed that five acres of mixed riparian tree species (Fremont cottonwood and Goodding willow) composed of 375 trees, would be planted downstream from S. R. 85 bridge in the same area as those being planted to satisfy requirements for the Lower Agua Fria. These plantings would be made following the same methods as those specified above.

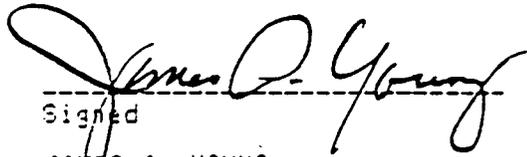
No date was set for future meetings.

Meeting adjourned.

ACKNOWLEDGEMENT OF AGREED ACTION:

**MAR 25 1987**

\_\_\_\_\_Date



\_\_\_\_\_  
Signed

JAMES A. YOUNG

\_\_\_\_\_  
Printed

\_\_\_\_\_  
Acting Regional Director

\_\_\_\_\_  
Title

\_\_\_\_\_  
U.S. Fish and Wildlife Service

\_\_\_\_\_  
Agency

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SALT / GILA LOW-FLOW (PILOT CHANNEL)

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No date was set for future meetings.

Meeting adjourned.

ACKNOWLEDGEMENT OF AGREED ACTION:

Deane S. Shreve  
Signed

Deane L. Shreve  
Printed

Feb. 12, 1987 Date

Acting Director  
Title

Arizona Game and Fish Department  
Agency



# FLOOD CONTROL DISTRICT

of

Maricopa County

1135 West Greenway Road • Phoenix, Arizona 85023  
Telephone: (602) 258-7171

FEB 06 1987

Mr. Duane L. Shroufe  
Acting Director  
Arizona Game & Fish Department  
2222 West Greenway Road  
Phoenix, Arizona 85023

RE: Mitigation of Gila River Clearing

Dear Mr. Shroufe:

This letter is in response to your letter dated January 20, 1987 and the letter from Mr. Gilbert D. Metz, Acting Field Supervisor of the US Fish and Wildlife Service, which brought certain unauthorized road clearings on lands adjacent to the 1000 foot clearing maintained by the Flood Control District and our meeting with Mr. Ron McKinstry, ~~Mr. [redacted]~~ the other representative of your agency on February 5, 1987. In the discussion of the road clearings, we showed where we were using old cat trails from earlier equipment usage in the area. We do acknowledge that our reuse of these trails left them wider than they were previously and that the cat parking area near the "old Mumme" property was new clearing.

In order to correct the problems thus created, we agreed that:

1. Flood Control District will build three 5-6 foot high berms closing the northeast trails to public access.
2. The Gila River's east side would be seeded on an annual basis between Gillespie Dam and Powers Butte to serve as wildlife crops and cover, and that following three year's seeding there would be a joint evaluation to determine whether continued efforts would be beneficial; that the seed mixture would consist of 40% barley, 40% canarygrass, and 20% bermudagrass by weight;
3. That all previous mitigation commitments have been met by the recent stub planting efforts of 600 trees downstream from the SR 85 Bridge;

Mr. Duane L. Shroufe  
Arizona Game & Fish Department  
Page Two

4. That the Flood Control District will maintain and use only two access roads for purposes of 1000 foot clearing maintenance in this area, and that the Flood Control District can continue to have access around the southerly meander outside the 1000 foot strip to the isolated clearing area; these roads are termed the Mummy Well Road (north), and the Petroglyph Wash Road (south).

We request that you return a signed copy of this agreement at your earliest opportunity along with the signed copy of our previous minutes of agreement sent to you on December 16, 1986.

Sincerely,

*Robert C. Payette, P.E.*

Robert C. Payette, P.E.  
Chief, Construction and Operations Division

Enclosure

ACKNOWLEDGEMENT OF AGREEMENT:

*Duane S. Shroufe*  
Signature

*Duane L. Shroufe*  
Printed

*Feb 12, 1987*  
Date

*Acting Director*  
Title

*Arizona Game and Fish Department*  
Agency



United States Department of the Interior

FISH AND WILDLIFE SERVICE  
POST OFFICE BOX 1306  
ALBUQUERQUE, N.M. 87103

LA-Arizona  
Gila River Flood  
Control (M-5)

MAR 25 1987

In Reply Refer To:  
Region 2: RE

Robert C. Payette, P.E.  
Chief, Construction and Operations Division  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, AZ 85009

|                                 |         |
|---------------------------------|---------|
| FLOOD CONTROL DISTRICT RECEIVED |         |
| MAR 30 1987                     |         |
| CH ENG                          | P S R N |
| DEF                             | HYDRO   |
| ADMIN                           | EMGT    |
| FINANCE                         | FILE    |
| ENGR                            |         |
| REMARKS                         |         |

Dear Mr. Payette:

The Fish and Wildlife Service appreciates this opportunity to work with the Flood Control District. Pursuant to your request by letter dated February 6, 1987, we have signed this agreement (2/6/87) and the prior minutes of agreement (12/16/86). I understand the Arizona Game and Fish Department has already signed an identical letter and copy of the minutes.

If we can be of further assistance, please contact Ron McKinstry in our Phoenix Ecological Services Office (Telephone 602/261-4720).

Sincerely yours,

Actual

Regional Director

Enclosures

cc: (w/cpy of incoming)  
Ecological Services, Phoenix, AZ  
FWE

# FLOOD CONTROL DISTRICT

of  
Maricopa County

|               |
|---------------|
| FILED         |
| INDEXED       |
| SERIALIZED    |
| FILED         |
| APR 17 1987   |
| FBI - PHOENIX |

FEB 06 1987

Mr. Gilbert D. Metz  
Acting Field Supervisor  
US Fish and Wildlife Service  
3616 West Thomas Road, Suite 6  
Phoenix, Arizona 85019

RE: Mitigation of Gila River Clearing

Dear Mr. Metz;

This letter is in response to your letter dated January 26, 1987 and the letter from Dwayne L. Shroufe, Acting Director of the Arizona Game and Fish Department which brought certain unauthorized road clearings on lands adjacent to the 1000 foot clearing maintained by the Flood Control District and our meeting with Mr. Ron McKinstry, Mr. J. N. Carr and the other representative of the State Game and Fish Department on February 5, 1987. In the discussion of the road clearings, we showed where we were using old cat trails from earlier equipment usage in the area. We do acknowledge that our reuse of these trails left them wider than they were previously and that the cat parking area near the "old Mumme" property was new clearing.

In order to correct the problems thus created, we agreed that:

1. Flood Control District will build three 5-6 foot high berms closing the northeast trails to public access.
2. The Gila River's east side would be seeded on an annual basis between Gillespie Dam and Powers Butte to serve as wildlife crops and cover, and that following three year's seeding there would be a joint evaluation to determine whether continued efforts would be beneficial; that the seed mixture would consist of 40% barley, 40% canarygrass, and 20% bermudagrass by weight;
3. That all previous mitigation commitments have been met by the recent stub planting efforts of 600 trees downstream from the SR 85 Bridge;



Mr. Gilbert D. Metz  
US Fish and Wildlife Service  
Page Two

4. That the Flood Control District will maintain and use only two access roads for purposes of 1000 foot clearing maintenance in this area, and that the Flood Control District can continue to have access around the southerly meander outside the 1000 foot strip to the isolated clearing area; these roads are termed the Mummy Well Road (north), and the Petroglyph Wash Road (south).

We request that you return a signed copy of this agreement at your earliest opportunity along with the signed copy of our previous minutes of agreement sent to you on December 16, 1986.

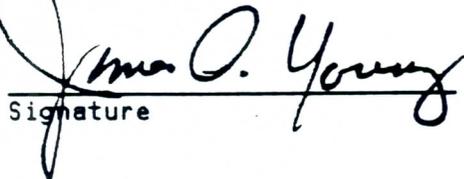
Sincerely,



Robert C. Payette, P.E.  
Chief, Construction and Operations Division

Enclosure

ACKNOWLEDGEMENT OF AGREEMENT:



Signature

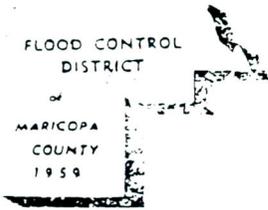
JAMES A. YOUNG  
Printed

MAR 25 1987

Date

Acting Regional Director  
Title

U.S. Fish and Wildlife Service  
Agency



# FLOOD CONTROL DISTRICT

of

Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009

Telephone (602) 262-1501

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

BOARD OF DIRECTORS  
Bobby J. ...  
James D. ...  
Carole ...  
Tom ...  
Ed ...

1-10-90

Mr. Russell A. Haughey  
Wildlife Manger  
Arizona Game and Fish Department  
7200 East University Drive  
Mesa, Arizona 85207

Dear Mr. Haughey:

I have reviewed our rather extensive files regarding the District's mitigation work for the Gila/Salt River Clearing and have located the enclosed informat

The information consists of a letter of transmittal from John Carr, Arizona Gam and Fish containing a signed letter of agreement dated February 6, 1987 and a signed copy of the minutes from a November 25, 1986 meeting. I have highlig items within these documents relating to the District's fulfillment of all mitigation obligations for the Gila/Salt River Clearing including the "Amator" and the "Base and Meridian" properties.

As we discussed, the seeding of annuals between Gillespie Dam and Powers Butte was, by agreement with your agency, postponed until the property can be fenced to exclude cattle.

The District's mitigation efforts for the Gila/Salt River Clearing date back te years and numerous meetings and agreements have taken place. John Carr of the Game and Fish Phoenix Office and Bill Warner of the Game and Fish Yuma Region Office are quite knowledgeable regarding the District's efforts and should be able to provide you with additional background material.

If I can be of further assistance, or if you would like to view any of our mitigation sites, please contact me at 262-1501.

Sincerely,

Catesby W. Moore  
Environmental Programs Manager

Enclosure

CWM/sac

Coord: RCP *[Signature]*  
RCP 1/10/90

Info: CWM *[Signature]*

May 1991

Mitigation

INTRODUCTION

The Flood Control District constantly undertakes projects that involve the loss of riparian habitats. State and Federal laws mandate that such losses be mitigated. It has been the policy of the District to mitigate lost wetlands by establishing new, or restoring existing riparian habitats. This paper discusses the District's mitigation efforts, agreements and status of three projects; 1) RWCD, 2) Salt/Gila Clearing, and 3) Salt/Gila River low flow(Pilot Channel) channelization.

A search of the District's files reveals a complex tale of agreements and disagreements between the District and the State and Federal agencies charged with protecting wetland areas. These agreements were recorded in memo's, inter-agency correspondences and minutes from meetings. The following format will be used to present this information. First, the mitigation requirements for each project will be detailed. This will be followed by a summary of correspondences regarding the project and lastly, completed mitigation efforts will be presented.

Roosevelt Water Conservation District Channelization

Mitigation Requirements:

Construction of the RWCD diversion channel resulted in the loss of approximately 1250 habitat units. To mitigate this loss two(2) parcels of land were acquired. The parcels, owned by the BLM, are located between Rooks Road and Turner Road south and west of Buckeye Az. This corresponds to Sections 13 and 14, T1s, R4. The easterly parcel consisted of approximately 410 acres while the west was comprised of 146 acres.

These parcels satisfied 942 habitat units and the smaller was planted to provide the remaining units. The plantings consisted of ten(10) acres of cottonwood and willows. In addition, 28 acres was set aside for testing various species and planting techniques.

In May of 1983 the plantings were initiated on the smaller parcel. Forty(40) acres were prepared and planted. Subsequent inspection in January 1984 revealed the planting efforts had failed due to poor site conditions.

In a meeting on Nov. 25, 1986 Robert Payette(FCD) discussed the failed mitigation effort with representatives from the USF&WS and AZG&F. Mr. Payette pointed out that the high mortality rate could be attributed to poor soil conditions at the site. Specifically, he noted the high salinity of both the soil and irrigation water. Mr. Payette also informed attendees that the District had fulfilled all of their mitigation requirements during the established time frame even though the majority of the plants failed to survive. This was recorded in the "Minutes To The Meeting of 11/25/86". These Minutes were sent to the attendees and they all signed off on the agreements, thereby relieving the District from any further mitigation obligations for the RWCD.

SALT/GILA CLEARING

Mitigation Requirements:

The Final Environmental Impact Statement dated Nov. 1981 recommended the following mitigation measures,

Base Meridian Tract-

Plant two(2), 5-acre thickets of trees.  
Plant from 2 to 5 acres of food crops if soil conditions permit.

Amator Tract-

Plant two(2), 5-acre thickets of trees.  
Plant 2 to 5 acres of food crops if soil conditions permit.

Robbins Butte

Improve the existing Mesquite bosque by planting approximately 200 additional mesquite trees and providing an adequate water supply.

Arlington Wildlife Area

Plant five, 5-acre thickets of trees.  
Plant 40-acres of food crops.  
Restore ponded area that was recently silted in by flooding.

PL0 1015 (123rd Ave. west for two miles)

Plant two, 5-acre thickets of trees and one mile of willows and cottonwoods.  
Reroute clearing to south side of channel where flood channel now exists as proposed by the USF&WS.

Dean Road to Watson Road

Reroute clearing to the south as proposed by USF&WS.

Watson Road to Miller Road

Limit clearing of vegetation to strips 100 feet wide.

Miller Road to Power's Butte

Reroute clearing to the south as proposed by the USF&WS.  
Provide five 2-acre ponding areas, 2 located immediately north of Robbins Butte Management Area.  
Plant 6 to 8, 5-acre thickets of trees and 4 miles of Willows and Cottonwoods.  
Plant 40 to 80 acres of food crops if soil conditions permit.  
Limit clearing of vegetation to strips approximately 100 feet wide.

Powers Butte to Gillespie Dam

Plant five, 5-acre thickets of trees and 2 miles of Willows and

Cottonwoods.

Plant approximately 20 acres of food crops if soil conditions permit.  
Provide one ponding area approximately 2 acres in size.

These recommendations acted as a basis for a 4 point plan adopted and implemented in 1983 to satisfy mitigation obligations for the clearing activities. The four point plan consisted of:

- 1.) Plant 5.5 acres of Cottonwoods and Willow trees. This would result in approximately 1750 trees.
- 2.) Plant 10 acres of food crops (grains) on the north alignment.
- 3.) Plant 200 Mesquite trees at the east end of the food crop area.
- 4.) Restoration of Arlington ponds. Two at 2-acres and one 10 acre AZ.Game and Fish pond.

Correspondence regarding mitigation efforts began around November 22, 1982, with a letter to Robert K. Lane (AZ. State Land Department) from Dan E. Sagramoso. The purpose of the document was to amend Special Land Use Permit No. 23-84023 so as to allow the planting of beneficial habitat to mitigate lost habitat due to clearing a 1000 ft. strip of the Salt/Gila rivers.

The next documented action was revealed in an Inter-office memo dated September 3, 1985, written by JKP to RCP. This memo considered site visitations by Bill Warner (Az. G&F) and Ron McKinstry (USF&WS). The sites visited include:

Arlington Ponds  
Slough area on the Gila River East of the pond  
Mummee's Crossing area at the Arlington Bend  
Intake Area for the Arlington Canal Co.  
and  
The area West of State Route 85 Bridge

The site visitation resulted in the following agreements:

Arlington Ponds

- 1.) A ratio of 3 cottonwood to 2 willow trees were to be planted around both ponds. This would result in a total of 250 - 350 trees planted.
- 2.) Actual locations of the plantings was to be determined by Flood Control District personnel on-site.

Slough Area

- 1.) Deemed not the most desirable site.
- 2.) This site could, however, be used to study the dominance of cottonwood plantings over existing Tamarix stands.

Mummee's Crossing

- 1.) This was determined to be the most preferred site for the majority of the remaining plantings even though the water table is deep in this area.

Intake Area

1.) Planting at this site is looked upon as secondary in importance.

Area West of S.R. 85 Bridge

1.) This was deemed the "BEST" site, as long as alluvial material is removed.

Miscellaneous Agreements

- 1.) Plantings should be scheduled for late December to early February, with mid-January being the optimal time.
- 2.) Selection of planting stock is to be supervised by JKP of the Flood Control District.

The Flood Control District drafted an Amended Environmental Impact Study (AEIS) and sent copies to various agencies for their review. The main topic of the AEIS was the construction of a Pilot Channel to handle higher than normal flows, and to afford flood protection to adjacent landowners. Az.G&F had one chief concern, and this was detailed in a letter dated October 17, 1985 from Bud Bristow(AzG&F) to Gilbert D. Metz(USF&WS).

AzG&F's chief concern was the failure to complete, in a timely fashion, the wildlife compensation measures required under the original 1981 Clearing proposal. AzG&F feels completion of all mitigating measures associated with the original action is essential before the Pilot Channel construction is initiated.

About a year later a meeting was held (11/25/86) to discuss the remaining mitigation responsibilities on the Salt/Gila clearing, Gila River low flow channel(Pilot Channel), and the lower Agua Fria River with some attention given to the RWCD(EMF). The meeting included the following attendee's:

- \* Jay K. Paxson (FCD)
- \* Dick Perreault (FCD)
- \* G.D. Metz (USF&WS)
- \* John Carr (AzG&F)
- \* Robert Payette (FCD)

In a document titled "Minutes - Summarization of Remaining Mitigation Responsibilities on Salt/Gila Clearing, Gila River Low Flow and Lower Agua Fria River With Comments on RWCD", several agreements were made. The following is a listing of comments and agreements that resulted from this meeting:

1.) The AzG&F lands known as "Amator" and "Base and Meridian" would be exempt from plantings. Don Metz and John Carr agreed that any plantings in this area would be unnecessary, and agreed to release the Flood Control District from any additional requirements in the area.

2.) Robert Payette discussed the mesquite plantings at the Arlington Canal site and stated - The FCD has fulfilled their requirements during the established time period and the excessive mortality rate was due to the high salinity content of the soils.

3.) Jay Paxson reviewed the possibility of stub plantings at sites in the Agua Fria River. His conclusion was that there was no potential for on-site mitigation. Both Jay and Dick Perreault proposed an alternative site located downstream from the S.R. 85 Bridge. This site was agreed upon by general consensus of the attendees.

4.) To mitigate the effects of the Pilot Channel, Paxson and Perreault proposed plantings be located at the S.R. 85 Bridge location and along the "Sugar Dike" aligned with 331 st. Ave..

5.) The most important aspect to be agreed upon was that all mitigation requirements for the Salt/Gila clearing and the RWCD(EMF) diversion channel have been satisfied.

The next portion of this document was concerned with what mitigation measures should be implemented to satisfy requirements from the Lower Agua Fria River construction and the Salt/Gila Low flow (Pilot Channel). The agreed upon actions are as follows:

Lower Agua Fria River

- 1.) One (1) acre of mixed riparian tree species (Freemont cottonwood and Goodding willow), composed of 75 trees; would be planted downstream of the S.R. 85 Bridge along the North fork of the Gila River.
- 2.) Plantings are to be performed on the sand bar located on the South side of the North fork.
- 3.) If insufficient room is available, the remaining trees are to be planted along the "Sugar Dike" following the alignment of 331 st. Ave..
- 4.) Three (3) wildlife escape ramps are to be constructed within the project area at sta. 32+00, 155+00 and 159+00.

Salt/Gila Low Flow (Pilot Channel)

- 1.) Five (5) acres of mixed riparian trees (same species as above), composed of 375 trees would be planted downstream from the S.R. 85 Bridge.

The minutes from this meeting were sent to all attendees for their review and signatures. The following letters and memos addressed this issue.

An interoffice memo written by JKP to RCP and dated January 13, 1987 summarized conversations with John Carr (AzG&F) and Don Metz (USF&WS). Both gentlemen had "problems" with clearing efforts along the Arlington Canal, (South side of canal), under the guise of road maintenance. JKP assured them that the FCD had nothing to do with it, and it must have been the Arlington Canal Co..

JKP also spoke with Ron McKinstry regarding the above situation. He too expressed some concern, and wanted to follow-up on the "Canal Clearing" issue.

JKP advised all three representatives that the agreement was already fulfilled in excess of agreed upon numbers.

JKP also determined that the Arlington Canal Co. "road maintenance" went through the mesquite plantings.

The AzG&F department made their comments concerning the 11/25/86 in the form of a letter dated January 20, 1987 from Duane L. Shroufe to D.E. Sagramoso.

The Department concerns are as follows:

- 1.) There was an error in the interpretation of what was agreed to insofar as mitigation requirements for the Salt/Gila Channel Clearing. It was the Departments understanding that revegetation would not be required at the "Amator" and "Base and Meridian" properties. This 5 acre planting (375 trees) is to be relocated to the S.R. 85 Bridge location, and this was left out of the agreement.
- 2.) The one (1) acre planting for the Agua Fria River work with escape ramps, and the 5 acre planting for the Pilot Channel is as we agreed.
- 3.) Mr. Shroufe also points out a "serious problem" with the access road construction on Mummee Farm. This was not authorized, and he asked for an explanation and possible compensatory measures.

The USF&WS responded to a letter from RCP (12/16/86) on January 26, 1987. This response was in the form of a letter from G.D. Metz and concerned the mitigation responsibilities discussed at the 11/25/86 meeting. In particular, the unauthorized road clearing adjacent to the 1000 ft. clearing on the Gila River, upstream of Gillespie Dam.

Mr. Metz informed RCP that one (1) road was constructed on P.L.O. 1015 lands. Also, the USF&WS believes that the problem (access road construction) must be resolved before the agreement on the last page of the minutes of the mitigation meeting, held 11/25/86, can be signed.

In response to Mr. Shroufe's and Mr. Metz's letters, RCP wrote a document dated February 6, 1987 that detailed agreements made to correct the problems at a meeting (2/5/87) between FCD officials, Ron McKinstry (USF&WS) and John Carr (AzG&F).

At this meeting the use of old cat trails from earlier equipment usage in the area was discussed, and the FCD acknowledged:

- \* The reuse of those trails has left them wider  
and
- \* The cat parking area near the "Old Mummee" property was new clearing.

Compensation for this activity was agreed to take the form of the following measures:

- 1.) The FCD will build three (3) 5 - 6 ft. berms closing the N.E. trails to public access.
- 2.) The Gila River's East side would be seeded on an annual basis between Gillespie Dam and Powers Butte for wildlife crops and cover. At the

end of three (3) years of planting a joint evaluation is to take place to access whether continued seeding would be beneficial. The seed mix would consist of 40% Barley, 40% Canary grass and 20% Bermuda by weight.

- 3.) All previous mitigation commitments have been met by the stub planting efforts of 600 trees downstream of the S.R. 85 Bridge location.
- 4.) The FCD will maintain and use only two (2) access roads for the maintenance of the 1000 ft. clearing in the area; and that the FCD can enjoy access around the southerly meander outside of the 1000 ft. strip to the isolated clearing area. The road names are, Mummy Well Rd. (North) and Petroglyph Wash Rd. (South).

The USF&WS finally signed the 11/26/86 agreement on 2/6/87. This was confirmed by a letter dated March 25, 1987 from James Young to Robert Payette. The AZG&F Department also signed the document as confirmed by a letter dated 2/13/87 to Robert Payette from John N. Carr.

The tale jumps about a year and picks up on July 14, 1988. On this date a letter was written by Robert Payette to Duane L. Shroufe (AZG&F) regarding a problem with cattle grazing on grass planted on the east side of the Gila River between Gillespie Dam and Powers Butte.

Specifically, RCP requested a joint effort to exclude livestock from the FCD's 1000 ft. clearing between Gillespie Dam and Powers Butte. He stipulated that the program be implemented each year between Nov. 30 and May 31 for the duration of the 3-5 year seeding agreement. Also, RCP requested that the FCD be released from their seeding obligation if this is not done, and that a solution be adopted by August 15, 1988.

The AZG&F Department responded via a letter dated July 21, 1988 from John N. Carr to RCP. The Department expressed their concerns and discussed them with the BLM. Mr. Carr was not sure he could resolve the problem by the Aug. 15, 1988 deadline.

On September 7, 1988 Robert K. Weaver (AZG&F) wrote a letter to RCP concerning a conversation he had with Catesby Moore. The conversation was about the seed order for the 1989 mitigation planting along the east side of the Gila River between Gillespie Dam and Powers Butte within the FCD 1000 ft. clearing. He stated, that the consensus of the Department was that it was like "throwing money down a rat hole" to proceed with another planting for 1989. The Department then requested the next mitigation planting be deferred for at least one (1) year to provide time to work out the livestock grazing problem / conflict with the BLM.

In a memo written by Catesby Moore to RCP (8/30/88, received 9/7/88), Ron Engel-Wilson (Wildlife Manager- Mummee Farm Wildlife Area), concurred with the document "An Evaluation of Aerial Seeding Gila River Mitigation 1988". This document proposed that unrestricted livestock grazing was negating the FCD planting efforts. Ron then agreed to the following,

- 1.) Seeding will be deferred for at least one (1) year or until livestock is excluded from the area.
- 2.) To supply a letter reiterating the AZG&F position that without livestock protection, aerial seeding by the FCD would not benefit

wildlife and should be deferred for one (1) year.

- 3.) To keep the FCD informed of future fencing plans and solutions from the BLM.

As an aside, Charles M. Holtz (Army Corps. of Engineers) wrote a letter on August 20, 1989 to Dick Perreault in which he informed the FCD that an extension for the completion of Permit No. 86-071-TS was approved. The completion date was changed from May 8, 1989 to May 8, 1992.

Low Flow Channel (Pilot Channel)

In late 1985 , the FCD proposed construction of the Gila River Pilot (Low Flow) channel. To implement construction of the channel, the document "Agreement For Right of Way Use and Maintenance; Gila River Pilot Channel Through Az G&F Land" (91st Ave. to Gillespie Dam) was created. The following are comments made by Gene Sturla of AzG&F in a letter to Richard G. Perreault, dated 11/7/90 concerning the review of the document.

Mr. Sturla states that the above named document differs significantly from the original agreement to construct and maintain the 1000 ft. clearing. As such, the AzG&F Department is unable to complete the review without the following information,

- 1.) Hydrological, hydraulics or other studies done relating possible impacts the Pilot Channel (as constructed) may have on existing adjacent riparian vegetation.
- 2.) Illustration of the project from 91st Ave. to Gillespie Dam.
  - a.) Locations of necessary roads, culverts, pipes and service utilities described in the agreements.
  - b.) Location of 1000 ft. clearing (originally proposed).
  - c.) Location of 1000 ft. clearing (as built).
  - d.) Location of proposed Pilot Channel.
  - e.) Location of completed portions of the Pilot Channel.
- 3.) Copy of current Army Corp. of Engineers Section 404 Permit authorizing the Pilot Channel as proposed.

In addition, Mr. Sturla points out that PLO 1015 lands are controlled / managed by the AzG&F commission, and as such those parcels should be governed by a separate agreement between the Commission and the FCD as approved by the USF&WS.

A memo dated 12/20/90 from BJJ to FILE, points out that the Amended EIS (1985) included a continuous low flow channel and that AzG&F reviewed and signed off on it. In addition the M-5 which expires in 2007 will cover the

Low Flow channel and AzG&F has a copy of the document. The memo contained several other topics and conflicts, these are presented below:

- 1.) AzG&F personnel are upset about grazing of grasses planted by the FCD in accordance with the clearing agreement. The FCD concluded that if the AzG&F wants a fence on the lands FCD wants to acquire, then they may do it.
- 2.) No water is reaching Robbins Butte. Since the FCD agreed to ensure a water supply was at Robbins Butte, the Soil Conservation Service instructed C&O to go out to the area and fix the split.
- 3.) AzG&F wants a copy of the 404 permit. (FCD will supply it)
- 4.) The FCD wants to know the AZG&F policy for charging other Governmental agencies for land in Arizona.
- 5.) FCD wants a perpetual easement from AzG&F and will pay 20% of the fee for perpetual flowage easement.
- 6.) The contact for clearing is Paul D. Pierro

To resolve these conflicts a meeting was held. The outcome was summarized in an inter-office memo from BJJ on 1/9/91. Those in attendance were:

|                     |                             |
|---------------------|-----------------------------|
| Don Rerick (FCD)    | Ron McKinstry (USFWS)       |
| Robert Payete (FCD) | James Burton (AZGF)         |
| Rod Lucas (AZGF)    | John Carr (Bio. Conslt.)    |
| Dave Walker (AZGF)  | Betty Dickens (FCD)         |
| Dick McNamara (FCD) | Jim Schwartzmum (LND Chief) |
| Gene Sturla (AZGF)  | Dick Perreault (FCD)        |
| Beth Jensen (FCD)   | Ron Engel-Wilson (AZGF)     |
| John Palmieri (FCD) |                             |

The most important item to come out of this meeting was the point that the District has meet all requirements of the 1981 EIS and EIS amended in 1985 (refer to M-5 Permit). Mr. Sturla stated however, that the M-5 permit did not provide for a low flow channel and is not a legal document to authorize such a channel. The District does not agree with this stand. Ron McKinstry affirmed that the Environmental Assessment addresses the depth of the low flow channel and the Final Amended Statement did not. In the end, all parties agreed that the depth of the low flow was not in violation of the Amended EIS.

A riparian vegetation monitoring mechanism was also discussed. Jim Burton suggested a simple photoplot device would suffice for long term monitoring of riparian vegetation. Everyone in attendance concurred and a meeting was set for 1/28/90 to discuss the details.

Comments concerning the above memo were provided in a letter to Beth Jensen(FCD) from Ronald McKinstry(USFWS) dated 2/13/91. In regards to the low flow channel, "Impact of project was mitigated". The letter then addresses the riparian vegetation monitoring. Mr. McKinstry states "I also suggest that well points or observation wells be used to monitor the ground water in conjunction with the photo plots".

The meeting held 1/28/91 brought forth comments and questions by the AZG&F Department and concerned the the Low Flow (Pilot) Channel.

The first was a question, should the Pilot channel carry low flows or only high flows? This question was founded on a reference from the 1987 Final Environmental Assessment which states..."The pilot channel would be constructed so existing flows would remain in present channels. The pilot channel would carry water only during periods of high flow releases or storm flows".

The next comment was an agreement. It was agreed that in the Power's Butte / Mumees Farm area, the pilot channel should not plug the meander , but be constructed to carry only high flows. The AZG&F Department was also concerned about the effects of the channel on Northern and Southern vegetative areas located adjacent to the Hassayampa confluence. It was agreed that Don Rerick will meet with Dave Walker to discuss the location of the Pilot Channel through this area. In addition, the FCD plans to complete a Section 7 (endangered species study) for this area, and based on the outcome will decide whether to remove the existing vegetative plug.

Another agreement to come out of the meeting was between Don Rerick (FCD) and AZG&F. It was agreed that the Pilot Channel location at the Power's Butte and Hassayampa confluence area will avoid the meander located at Power's Butte.

The meeting ended with a discussion of the required action. In summary, Rerick and Walker will meet to discuss the location of the Pilot Channel at the Hassayampa confluence. Betty Dickens will identify Township and Range on river aerial photos. Dave Walker will address AZG&F concerns regarding the function of the Pilot Channel in writing, and decide the purpose of the monitoring program (riparian vegetation monitoring) by 2/28/91. Lastly, AZG&F will locate PLO-1015 lands on aerial photos.

The meeting of 1/28/91 was attended by, Joe Tram(FCD), Don Rerick(FCD), Bob Payette(FCD), Betty Dickens(FCD), Jim Fiedler(AZG&F) and Dave Walker(AZG&F). The following information was from notes taken at the meeting by an unknown author. Restrictions in the contract: Yuma Clapper Rail- Ron McKinstry requested a time-line for the construction through the Clapper Rail habitat(April-June).

This completes the correspondences regarding the Salt/Gila mitigation efforts. Now the mitigation accomplishments will be presented.

Status of Salt/Gila Mitigation Efforts

Clearing:

- |                                                             |                |
|-------------------------------------------------------------|----------------|
| 1.) Restoration of Arlington Ponds.<br>a. roughly 190 poles | Complete 12/85 |
| 2.) 3/4 miles east of ponds.<br>a. 330 pole plantings       | Complete 12/85 |
| 3.) "Sugar Dike" (331st Ave.)<br>a. 1250 pole plantings     | Complete 12/85 |

4.) 10 acres of food crops Complete

5.) 200 mesquite trees at east end Complete  
of food crop area

Low Flow Channel:

1.) 375 trees at SR 85 Bridge location Complete 12/86

Lower Agua Fria River:

1.) 75 trees at SR 85 Bridge location Complete 12/86

2.) Three wildlife escape ramps

a. sta. 32+00

b. sta. 155+00

c. sta. 150+00

Cat Trail Dilemma:

1.) Three 5-6 foot berms closing access Unknown

2.) Annual aerial seeding Unknown

a.) Deferred after first year until  
cattle grazing problem is resolved

Status of RWCD Mitigation

1.) Total of 3664 trees transplanted Complete

2.) Total of 800 shrubs transplanted Complete

3.) Of the 3664 trees, 2740 were gallon  
size Willow and Cottonwood

Summary

The information obtained from the document search implies that the FCD has met all mitigation requirements and obligations for the RWCD diversion channel, Salt/Gila clearing and the lower Agua Fria river. I found no concrete proof that the Salt/Gila low flow channel issues have been resolved. As is the case with all the projects discussed in this paper, I "think" I've been thorough in my literature search. This is by no means a given, and when discussing the findings the reader is encouraged to keep this in mind.

| Table 13<br>Mitigation Costs for On-site Area 3<br>Channel Bottom |                                             |                                 |
|-------------------------------------------------------------------|---------------------------------------------|---------------------------------|
| Item                                                              | Quantity                                    | Projected Costs                 |
| Seeding Costs per acre                                            |                                             |                                 |
| Materials                                                         |                                             |                                 |
| Seedmix                                                           | 20 PLS/acre, 1 acre                         | \$1200 <del>-1,000/acre</del> * |
| Equipment/Labor                                                   |                                             |                                 |
| Tractor                                                           | Broadcast seed/cover seed                   | 80/acre                         |
| Labor                                                             |                                             | 20/acre                         |
| Total per acre                                                    |                                             | \$1300 <del>\$-1,100</del>      |
| Transplanting Costs per inlet                                     |                                             |                                 |
| Materials                                                         |                                             |                                 |
| Transplants                                                       |                                             |                                 |
| Pole plantings                                                    | 200/inlet, harvested from District property |                                 |
| Protective netting                                                | 30 X 500                                    | 6,750                           |
| Equipment/Labor                                                   |                                             |                                 |
| Backhoe with auger                                                | auger holes                                 | 1,200                           |
| Water truck                                                       | prewater holes                              | 60                              |
| Dumptruck                                                         | transport poles                             | 300                             |
| Labor                                                             | harvest/plant poles/install netting         | 130                             |
| Total per inlet                                                   |                                             | \$ 8,440                        |

\* Seedmix to include additional plant species to raise unit cost to \$1200 per acre.

Project: New River Landscaping and Revegetation  
 Contract: FCD 93-13  
 Bid Date: 24-Jun-93

| Engineer's Estimate | BIDDER NAME | BIDDER NAME | BIDDER NAME |
|---------------------|-------------|-------------|-------------|
|---------------------|-------------|-------------|-------------|

| Pay Item | Description                                            | Unit | Bid Qty | ACCENT IRRIGATION |             | J. BANICKI CONST. |              | Unit Price                  | Bid Total | Unit Price | Bid Total |
|----------|--------------------------------------------------------|------|---------|-------------------|-------------|-------------------|--------------|-----------------------------|-----------|------------|-----------|
|          |                                                        |      |         | Unit Price        | Bid Total   | Unit Price        | Bid Total    |                             |           |            |           |
| 107      | NPDES-SWPPP                                            | L.S. | 1       | \$10,000.00       | \$10,000.00 | \$15,000.00       | \$15,000.00  | REJECTED:<br>NO SURETY BOND |           |            |           |
| 424      | Fine Grading                                           | L.S. | 1       | \$20,000.00       | \$20,000.00 | \$8,300.00        | \$8,300.00   |                             |           |            |           |
| 430-1    | Plant Material (Trees)                                 | EA.  | 450     | \$20.00           | \$9,000.00  | \$14.00           | \$6,300.00   |                             |           |            |           |
| 430-2    | Plant Material (Shrubs)                                | EA.  | 135     | \$15.00           | \$2,025.00  | \$15.50           | \$2,092.50   |                             |           |            |           |
| 430-3    | Scarification/Broadcast Seeding & Mulch                | AC.  | 20      | \$2,500.00        | \$50,000.00 | \$1,050.00        | \$21,000.00  |                             |           |            |           |
| 440      | Irrigation System                                      | L.S. | 1       | \$70,000.00       | \$70,000.00 | \$220,000.00      | \$220,000.00 |                             |           |            |           |
| 220-1    | Riprap with Filter Fabric                              | S.Y. | 2085    | \$6.00            | \$12,510.00 | \$6.60            | \$13,761.00  |                             |           |            |           |
| 220-2    | Grouted Riprap                                         | S.Y. | 1131    | \$18.00           | \$20,358.00 | \$12.00           | \$13,572.00  |                             |           |            |           |
| 430-4    | Scarification/Broadcast Seeding & Mulch                | AC.  | 104     | \$800.00          | \$83,200.00 | \$965.00          | \$100,360.00 |                             |           |            |           |
| 430-5    | Cattails                                               | EA.  | 2234    | \$15.00           | \$33,510.00 | \$9.00            | \$20,106.00  |                             |           |            |           |
| 430-6    | Vegetative Slope Stabilization                         | AC.  | 10      | \$1,200.00        | \$12,000.00 | \$965.00          | \$9,650.00   |                             |           |            |           |
| 430-7    | Pole Plantings/Bate Root (271 Willows, 300 Cottonwood) | EA.  | 571     | \$50.00           | \$28,550.00 | \$14.00           | \$7,994.00   |                             |           |            |           |
| 441      | Truck Watering Plant Materials                         | L.S. | 1       | \$35,000.00       | \$35,000.00 | \$35,000.00       | \$35,000.00  |                             |           |            |           |

|                                                     |              |              |                |                |
|-----------------------------------------------------|--------------|--------------|----------------|----------------|
|                                                     | \$386,153.00 | \$473,135.50 | \$0.00         | \$0.00         |
| <b>Bid Total</b>                                    |              |              |                |                |
| <b>Difference, Dollars from Engineer's Estimate</b> |              | \$86,982.50  | (\$386,153.00) | (\$386,153.00) |
| <b>Difference, Dollars from Low Bid</b>             |              | \$251,677.50 | (\$221,458.00) | (\$221,458.00) |

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Project: New River Landscaping and Revegetation  
 Contract: FCD 93-13  
 Bid Date: 24-Jun-93

| Engineer's Estimate | BIDDER NAME | BIDDER NAME | BIDDER NAME |
|---------------------|-------------|-------------|-------------|
|---------------------|-------------|-------------|-------------|

| Pay Item | Description                                            | Unit | Bid Qty | WAT-IRR INC. |             | ANDERSON REC. |             | VALLEY RAIN |             |             |             |
|----------|--------------------------------------------------------|------|---------|--------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|
|          |                                                        |      |         | Unit Price   | Bid Total   | Unit Price    | Bid Total   | Unit Price  | Bid Total   |             |             |
| 107      | NPDES-SWPPP                                            | L.S. | 1       | \$10,000.00  | \$10,000.00 | \$1,360.00    | \$1,360.00  | \$6,500.00  | \$6,500.00  | \$10,000.00 | \$10,000.00 |
| 424      | Fine Grading                                           | L.S. | 1       | \$20,000.00  | \$20,000.00 | \$16,090.00   | \$16,090.00 | \$20,445.50 | \$20,445.50 | \$39,200.00 | \$39,200.00 |
| 430-1    | Plant Material (Trees)                                 | EA.  | 450     | \$20.00      | \$9,000.00  | \$23.00       | \$10,350.00 | \$18.00     | \$8,100.00  | \$30.00     | \$13,500.00 |
| 430-2    | Plant Material (Shrubs)                                | EA.  | 135     | \$15.00      | \$2,025.00  | \$26.00       | \$3,510.00  | \$16.00     | \$2,165.00  | \$20.00     | \$2,700.00  |
| 430-3    | Scarification/Broadcast Seeding & Mulch                | AC.  | 20      | \$2,500.00   | \$50,000.00 | \$1,320.00    | \$26,400.00 | \$1,400.00  | \$28,000.00 | \$1,100.00  | \$22,000.00 |
| 440      | Irrigation System                                      | L.S. | 1       | \$70,000.00  | \$70,000.00 | \$41,810.00   | \$41,810.00 | \$18,500.00 | \$18,500.00 | \$44,125.00 | \$44,125.00 |
| 220-1    | Riprap with Filter Fabric                              | S.Y. | 2085    | \$6.00       | \$12,510.00 | \$8.00        | \$16,680.00 | \$21.00     | \$43,785.00 | \$7.00      | \$14,595.00 |
| 220-2    | Grouted Riprap                                         | S.Y. | 1131    | \$18.00      | \$20,358.00 | \$12.00       | \$13,572.00 | \$38.00     | \$42,978.00 | \$22.00     | \$24,882.00 |
| 430-4    | Scarification/Broadcast Seeding & Mulch                | AC.  | 104     | \$800.00     | \$83,200.00 | \$483.00      | \$50,232.00 | \$571.00    | \$59,384.00 | \$760.00    | \$79,040.00 |
| 430-5    | Cattails                                               | EA.  | 2234    | \$15.00      | \$33,510.00 | \$6.00        | \$13,404.00 | \$3.75      | \$8,377.50  | \$3.50      | \$7,819.00  |
| 430-6    | Vegetative Slope Stabilization                         | AC.  | 10      | \$1,200.00   | \$12,000.00 | \$1,214.00    | \$12,140.00 | \$1,200.00  | \$12,000.00 | \$1,270.00  | \$12,700.00 |
| 430-7    | Pole Plantings/Bate Root (271 Willows, 300 Cottonwood) | EA.  | 571     | \$50.00      | \$28,550.00 | \$10.00       | \$5,710.00  | \$12.00     | \$6,852.00  | \$10.00     | \$5,710.00  |
| 441      | Truck Watering Plant Materials                         | L.S. | 1       | \$35,000.00  | \$35,000.00 | \$10,200.00   | \$10,200.00 | \$6,000.00  | \$6,000.00  | \$9,500.00  | \$9,500.00  |

|                                                     |                     |                       |                       |                       |
|-----------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------------|
| <b>Bid Total</b>                                    | <b>\$386,153.00</b> | <b>\$221,458.00</b>   | <b>\$263,087.00</b>   | <b>\$285,771.00</b>   |
| <b>Difference, Dollars from Engineer's Estimate</b> |                     | <b>(\$164,695.00)</b> | <b>(\$123,066.00)</b> | <b>(\$100,382.00)</b> |
| <b>Difference, Dollars from Low Bid</b>             |                     |                       | <b>\$41,629.00</b>    | <b>\$64,313.00</b>    |

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5/12/94

## MATERIAL COST FOR

DSR-

## SALT/GILA CLEARING &amp; CHANNELIZ

93-6002  
A105

| DATE                    | WO#     | LOC# | MAT CODE AND DESCR       | UNITS   | USAGE        | COST               | TOTAL              |
|-------------------------|---------|------|--------------------------|---------|--------------|--------------------|--------------------|
| 8/ 6/93                 | 93-6002 | A105 | ROAD ACCESS ROADS & CRE  | MILE    | 2.50         | \$ 0.00            | \$ 0.00            |
| <b>SUB-TOTAL USAGE=</b> |         |      |                          |         | <b>2.50</b>  | <b>SUB-TOTAL =</b> | <b>\$ 0.00</b>     |
| 12/13/93                | 93-6002 | A105 | TIRES TRASH/TIRES        | TON     | 33.22        | \$ 16.00           | \$ 531.52          |
| 12/14/93                | 93-6002 | A105 | TIRES TRASH/TIRES        | TON     | 31.39        | \$ 16.00           | \$ 502.24          |
| <b>SUB-TOTAL USAGE=</b> |         |      |                          |         | <b>64.61</b> | <b>SUB-TOTAL =</b> | <b>\$ 1,033.76</b> |
| 10/29/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 11.00        | \$ 15.00           | \$ 165.00          |
| 10/30/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 15.00        | \$ 15.00           | \$ 225.00          |
| 12/ 3/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 12.00        | \$ 15.00           | \$ 180.00          |
| 12/ 4/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 10.00        | \$ 15.00           | \$ 150.00          |
| 12/10/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 27.00        | \$ 15.00           | \$ 405.00          |
| 12/11/93                | 93-6002 | A105 | TRAS TRASH AND DEBRIS    | TRUCK   | 6.00         | \$ 15.00           | \$ 90.00           |
| <b>SUB-TOTAL USAGE=</b> |         |      |                          |         | <b>81.00</b> | <b>SUB-TOTAL =</b> | <b>\$ 1,215.00</b> |
| 8/ 6/93                 | 93-6002 | A105 | W05 WATER - SALT RIVER P | 1,000 G | 96.00        | \$ 0.00            | \$ 0.00            |
| <b>SUB-TOTAL USAGE=</b> |         |      |                          |         | <b>96.00</b> | <b>SUB-TOTAL =</b> | <b>\$ 0.00</b>     |
| <b>TOTAL</b>            |         |      |                          |         |              |                    | <b>\$ 2,248.76</b> |

5/12/94

93-6002  
A105

**LABOR COST FOR**  
**DSR-**  
**SALT/GILA CLEARING & CHANNELIZ**  
SALT/GILA CLEARING & CHANNELIZ

| DATE     | Work Order | Activity | LAST NAME | FIRST NAME | HOURS                         | WAGE          | TOTAL       |
|----------|------------|----------|-----------|------------|-------------------------------|---------------|-------------|
| 12/10/93 | 93-6002    | A105     | BAKER     | CHARLES    | 10.00                         | \$ 9.63       | \$ 96.30    |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>10.00</b>  | \$ 96.30    |
| 8/ 6/93  | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 8/ 7/93  | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 8/20/93  | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 8/21/93  | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 10/29/93 | 93-6002    | A105     | BANDA     | JOSE       | 3.00                          | \$ 19.44      | \$ 58.32    |
| 12/ 3/93 | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 12/ 4/93 | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
| 12/10/93 | 93-6002    | A105     | BANDA     | JOSE       | 10.00                         | \$ 19.44      | \$ 194.40   |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>73.00</b>  | \$ 1,411.20 |
| 7/30/93  | 93-6002    | A105     | BRYANT    | IVAN       | 10.00                         | \$ 16.43      | \$ 164.35   |
| 7/31/93  | 93-6002    | A105     | BRYANT    | IVAN       | 10.00                         | \$ 16.43      | \$ 164.35   |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>20.00</b>  | \$ 328.70   |
| 8/ 5/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 7.00                          | \$ 16.15      | \$ 113.05   |
| 8/ 9/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 7.00                          | \$ 16.15      | \$ 113.05   |
| 8/10/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 5.00                          | \$ 16.15      | \$ 80.75    |
| 8/11/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 10.00                         | \$ 16.15      | \$ 161.50   |
| 8/16/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 10.00                         | \$ 16.15      | \$ 161.50   |
| 8/18/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 10.00                         | \$ 16.15      | \$ 161.50   |
| 8/19/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 9.00                          | \$ 16.15      | \$ 145.35   |
| 8/23/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 10.00                         | \$ 16.15      | \$ 161.50   |
| 8/25/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 3.00                          | \$ 16.15      | \$ 48.45    |
| 8/30/93  | 93-6002    | A105     | CARROLL   | THOMAS     | 10.00                         | \$ 16.15      | \$ 161.50   |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>81.00</b>  | \$ 1,308.00 |
| 7/27/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 7/28/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 7/29/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 9.00                          | \$ 14.28      | \$ 128.52   |
| 7/30/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 7/31/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/ 3/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/ 4/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/ 5/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/ 9/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/10/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/11/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/12/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/13/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/14/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/17/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/18/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.50                         | \$ 14.28      | \$ 149.94   |
| 8/23/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/24/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/25/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 8/26/93  | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
| 10/29/93 | 93-6002    | A105     | DEHERRERA | ANTONIO    | 10.00                         | \$ 14.28      | \$ 142.80   |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>209.50</b> | \$ 2,991.00 |
| 8/ 6/93  | 93-6002    | A105     | DELAMARE  | RICHARD    | 6.00                          | \$ 17.90      | \$ 107.40   |
| 3/ 7/93  | 93-6002    | A105     | DELAMARE  | RICHARD    | 10.00                         | \$ 17.90      | \$ 179.00   |
|          |            |          |           |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>16.00</b>  | \$ 286.40   |
| 7/26/93  | 93-6002    | A105     | GALLUP    | ROBERT     | 5.50                          | \$ 12.79      | \$ 70.35    |

5/12/94

93-6002  
A105

**LABOR COST FOR**  
DSR-  
**SALT/GILA CLEARING & CHANNELIZ**  
SALT/GILA CLEARING & CHANNELIZ

| DATE                          | Work Order | Activity | LAST NAME | FIRST NAME | HOURS         | WAGE     | TOTAL              |
|-------------------------------|------------|----------|-----------|------------|---------------|----------|--------------------|
| 7/30/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 7/31/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/ 2/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/ 6/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/ 7/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/10/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 2.50          | \$ 12.79 | \$ 31.98           |
| 8/13/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 11.50         | \$ 12.79 | \$ 147.09          |
| 8/14/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/20/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 8/21/93                       | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 10/29/93                      | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 10/30/93                      | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 12/ 3/93                      | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 12/ 4/93                      | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| 12/10/93                      | 93-6002    | A105     | GALLUP    | ROBERT     | 10.00         | \$ 12.79 | \$ 127.90          |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>149.50</b> |          | <b>\$ 1,912.11</b> |
| 12/ 3/93                      | 93-6002    | A105     | HAYNES    | JERRY      | 10.00         | \$ 8.81  | \$ 88.10           |
| 12/ 4/93                      | 93-6002    | A105     | HAYNES    | JERRY      | 10.00         | \$ 8.81  | \$ 88.10           |
| 12/10/93                      | 93-6002    | A105     | HAYNES    | JERRY      | 10.00         | \$ 8.81  | \$ 88.10           |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>30.00</b>  |          | <b>\$ 264.30</b>   |
| 8/ 6/93                       | 93-6002    | A105     | HUFF      | WILLIAM    | 10.00         | \$ 15.15 | \$ 151.50          |
| 10/29/93                      | 93-6002    | A105     | HUFF      | WILLIAM    | 10.00         | \$ 15.15 | \$ 151.50          |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>20.00</b>  |          | <b>\$ 303.00</b>   |
| 8/ 6/93                       | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 8/ 7/93                       | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 8/13/93                       | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 8/20/93                       | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 8/21/93                       | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 11/17/93                      | 93-6002    | A105     | KENYON    | WILLIAM    | 7.00          | \$ 20.40 | \$ 142.80          |
| 12/ 3/93                      | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 12/ 4/93                      | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| 12/10/93                      | 93-6002    | A105     | KENYON    | WILLIAM    | 10.00         | \$ 20.40 | \$ 204.00          |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>87.00</b>  |          | <b>\$ 1,774.80</b> |
| 7/30/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 7/31/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 8/ 6/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 8/ 7/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 8/13/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 11.50         | \$ 17.57 | \$ 202.06          |
| 8/14/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 8/20/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 8/21/93                       | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 10/29/93                      | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 10/30/93                      | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 12/10/93                      | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| 12/11/93                      | 93-6002    | A105     | MICHAEL   | DANIEL     | 10.00         | \$ 17.57 | \$ 175.70          |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>121.50</b> |          | <b>\$ 2,134.76</b> |
| 10/29/93                      | 93-6002    | A105     | MOLINA    | JOSE       | 10.00         | \$ 12.34 | \$ 123.40          |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |           |            | <b>10.00</b>  |          | <b>\$ 123.40</b>   |
| 10/30/93                      | 93-6002    | A105     | NAUD, III | ROBERT     | 10.00         | \$ 12.76 | \$ 127.60          |
| 12/ 3/93                      | 93-6002    | A105     | NAUD, III | ROBERT     | 10.00         | \$ 12.76 | \$ 127.60          |
| 12/ 4/93                      | 93-6002    | A105     | NAUD, III | ROBERT     | 10.00         | \$ 12.76 | \$ 127.60          |

5/12/94

93-6002  
A105

**LABOR COST FOR**  
**DSR-**  
**SALT/GILA CLEARING & CHANNELIZ**  
SALT/GILA CLEARING & CHANNELIZ

| DATE     | Work Order | Activity | LAST NAME  | FIRST NAME | HOURS                         | WAGE          | TOTAL       |
|----------|------------|----------|------------|------------|-------------------------------|---------------|-------------|
| 12/10/93 | 93-6002    | A105     | NAUD, III  | ROBERT     | 10.00                         | \$ 12.76      | \$ 127.60   |
| 12/11/93 | 93-6002    | A105     | NAUD, III  | ROBERT     | 10.00                         | \$ 12.76      | \$ 127.60   |
|          |            |          |            |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>50.00</b>  | \$ 638.00   |
| 10/30/93 | 93-6002    | A105     | NELL       | JACK       | 10.00                         | \$ 12.97      | \$ 129.70   |
|          |            |          |            |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>10.00</b>  | \$ 129.70   |
| 7/30/93  | 93-6002    | A105     | PETTIJOHN  | DAVID      | 10.00                         | \$ 16.23      | \$ 162.30   |
| 7/31/93  | 93-6002    | A105     | PETTIJOHN  | DAVID      | 10.00                         | \$ 16.23      | \$ 162.30   |
| 8/13/93  | 93-6002    | A105     | PETTIJOHN  | DAVID      | 10.00                         | \$ 16.23      | \$ 162.30   |
| 12/10/93 | 93-6002    | A105     | PETTIJOHN  | DAVID      | 10.00                         | \$ 16.23      | \$ 162.30   |
| 12/11/93 | 93-6002    | A105     | PETTIJOHN  | DAVID      | 5.00                          | \$ 16.23      | \$ 81.15    |
|          |            |          |            |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>45.00</b>  | \$ 730.00   |
| 7/27/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 7/28/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 13.00                         | \$ 16.96      | \$ 220.48   |
| 7/29/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 6.00                          | \$ 16.96      | \$ 101.76   |
| 7/30/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 7/31/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/ 2/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/ 3/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/ 4/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/ 5/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 7.00                          | \$ 16.96      | \$ 118.72   |
| 8/ 9/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 6.00                          | \$ 16.96      | \$ 101.76   |
| 8/10/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 9.00                          | \$ 16.96      | \$ 152.64   |
| 8/11/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 9.00                          | \$ 16.96      | \$ 152.64   |
| 8/13/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 11.50                         | \$ 16.96      | \$ 195.04   |
| 8/14/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/17/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/18/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/19/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/20/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/21/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/23/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/24/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 6.00                          | \$ 16.96      | \$ 101.76   |
| 8/26/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/30/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 8/31/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 9/ 1/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 9/ 2/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 9/ 7/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 11.00                         | \$ 16.96      | \$ 186.56   |
| 9/ 8/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 11.00                         | \$ 16.96      | \$ 186.56   |
| 9/ 9/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 9/13/93  | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 12/ 3/93 | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 12/ 4/93 | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
| 12/10/93 | 93-6002    | A105     | RICHARDS   | LEOBORN    | 10.00                         | \$ 16.96      | \$ 169.60   |
|          |            |          |            |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>319.50</b> | \$ 5,418.70 |
| 10/30/93 | 93-6002    | A105     | SUTTON     | JAMES      | 10.00                         | \$ 16.71      | \$ 167.10   |
| 12/10/93 | 93-6002    | A105     | SUTTON     | JAMES      | 10.00                         | \$ 16.71      | \$ 167.10   |
| 12/11/93 | 93-6002    | A105     | SUTTON     | JAMES      | 10.00                         | \$ 16.71      | \$ 167.10   |
|          |            |          |            |            | <b>INDIVIDUAL SUB TOTAL =</b> | <b>30.00</b>  | \$ 501.40   |
| 8/ 6/93  | 93-6002    | A105     | SWINDERMAN | MARK       | 7.00                          | \$ 10.96      | \$ 76.72    |
| 8/ 7/93  | 93-6002    | A105     | SWINDERMAN | MARK       | 10.00                         | \$ 10.96      | \$ 109.60   |

5/12/94

93-6002  
A105

**LABOR COST FOR**  
**DSR-**  
**SALT/GILA CLEARING & CHANNELIZ**  
SALT/GILA CLEARING & CHANNELIZ

| DATE                          | Work Order | Activity | LAST NAME  | FIRST NAME | HOURS         | WAGE     | TOTAL               |
|-------------------------------|------------|----------|------------|------------|---------------|----------|---------------------|
| 8/20/93                       | 93-6002    | A105     | SWINDERMAN | MARK       | 10.00         | \$ 10.96 | \$ 109.60           |
| 8/21/93                       | 93-6002    | A105     | SWINDERMAN | MARK       | 10.00         | \$ 10.96 | \$ 109.60           |
| 10/29/93                      | 93-6002    | A105     | SWINDERMAN | MARK       | 10.00         | \$ 10.96 | \$ 109.60           |
| 10/30/93                      | 93-6002    | A105     | SWINDERMAN | MARK       | 10.00         | \$ 10.96 | \$ 109.60           |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |            |            | <b>57.00</b>  |          | <b>\$ 624.72</b>    |
| 8/14/93                       | 93-6002    | A105     | WELCH      | MICHAEL    | 10.00         | \$ 18.39 | \$ 183.90           |
| 10/30/93                      | 93-6002    | A105     | WELCH      | MICHAEL    | 10.00         | \$ 18.39 | \$ 183.90           |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |            |            | <b>20.00</b>  |          | <b>\$ 367.80</b>    |
| 7/30/93                       | 93-6002    | A105     | WILLIAMS   | MARK       | 0.00          | \$ 21.91 | \$ 0.00             |
| 8/31/93                       | 93-6002    | A105     | WILLIAMS   | MARK       | 0.00          | \$ 21.91 | \$ 0.00             |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |            |            | <b>0.00</b>   |          | <b>\$ 0.00</b>      |
| 7/27/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 7/28/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 7/29/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 8.50          | \$ 14.49 | \$ 123.17           |
| 7/30/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 8.00          | \$ 14.49 | \$ 115.92           |
| 7/31/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 2/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 3/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 4/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 5/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 7/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/ 9/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/10/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 9.00          | \$ 14.49 | \$ 130.41           |
| 8/11/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 9.00          | \$ 14.49 | \$ 130.41           |
| 8/12/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/13/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 11.50         | \$ 14.49 | \$ 166.64           |
| 8/14/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/16/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 9.50          | \$ 14.49 | \$ 137.66           |
| 8/17/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/18/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/19/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/20/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/21/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/23/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 8.50          | \$ 14.49 | \$ 123.17           |
| 8/24/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/25/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/26/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 8/31/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 9/ 1/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 9/ 2/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 8.50          | \$ 14.49 | \$ 123.17           |
| 9/ 7/93                       | 93-6002    | A105     | WINKLER    | MIKE       | 10.50         | \$ 14.49 | \$ 152.15           |
| 10/29/93                      | 93-6002    | A105     | WINKLER    | MIKE       | 0.00          | \$ 14.49 | \$ 0.00             |
| 11/ 1/93                      | 93-6002    | A105     | WINKLER    | MIKE       | 1.50          | \$ 14.49 | \$ 21.74            |
| 12/ 3/93                      | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 12/ 4/93                      | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| 12/10/93                      | 93-6002    | A105     | WINKLER    | MIKE       | 10.00         | \$ 14.49 | \$ 144.90           |
| <b>INDIVIDUAL SUB TOTAL =</b> |            |          |            |            | <b>324.50</b> |          | <b>\$ 4,702.01</b>  |
| <b>TOTAL LABOR COST =</b>     |            |          |            |            |               |          | <b>\$ 26,055.47</b> |

6/16/94

## EQUIPMENT COST FOR

93-6002

## SALT/GILA CLEARING &amp; CHANNELIZ

A105

SALT/GILA CLEARING &amp; CHANNELIZ

| DATE     | EQUIPMENT # | EQUIPMENT DESCRIPTION              | UNIT | USAGE         | COST    | SUB-TOTAL         |
|----------|-------------|------------------------------------|------|---------------|---------|-------------------|
| 8/26/93  | 00336       | 1991 TRAIL-EZE TANDEM AXLE TRAILER | DAY  | 1.00          | \$43.00 | \$43.00           |
|          |             | <b>SUB TOTAL =</b>                 |      | <b>1.00</b>   |         | <b>\$43.00</b>    |
| 10/29/93 | 00400       | 91 580K CASE BACKHOE 70H.P. 1YD.   | HOUR | 7.00          | \$11.00 | \$77.00           |
| 10/30/93 | 00400       | 91 580K CASE BACKHOE 70H.P. 1YD.   | HOUR | 7.00          | \$11.00 | \$77.00           |
| 12/3/93  | 00400       | 91 580K CASE BACKHOE 70H.P. 1YD.   | HOUR | 6.00          | \$11.00 | \$66.00           |
| 12/4/93  | 00400       | 91 580K CASE BACKHOE 70H.P. 1YD.   | HOUR | 5.00          | \$11.00 | \$55.00           |
| 12/10/93 | 00400       | 91 580K CASE BACKHOE 70H.P. 1YD.   | HOUR | 5.00          | \$11.00 | \$55.00           |
|          |             | <b>SUB TOTAL =</b>                 |      | <b>30.00</b>  |         | <b>\$330.00</b>   |
| 7/30/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 7/31/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 8.00          | \$16.00 | \$128.00          |
| 8/2/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/3/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/5/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 4.00          | \$16.00 | \$64.00           |
| 8/6/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/7/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 8.00          | \$16.00 | \$128.00          |
| 8/9/93   | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/10/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/12/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/13/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/14/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 8.00          | \$16.00 | \$128.00          |
| 8/16/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 4.00          | \$16.00 | \$64.00           |
| 8/17/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/18/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 8.00          | \$16.00 | \$128.00          |
| 8/19/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/20/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/21/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/23/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/24/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 7.00          | \$16.00 | \$112.00          |
| 8/25/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
| 8/26/93  | 00474       | 780D CASE4X4 HOE 112HP 13/4YD      | HOUR | 6.00          | \$16.00 | \$96.00           |
|          |             | <b>SUB TOTAL =</b>                 |      | <b>143.00</b> |         | <b>\$2,288.00</b> |
| 7/27/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 5.00          | \$20.14 | \$100.70          |
| 7/28/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 13.00         | \$20.14 | \$261.82          |
| 7/29/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 3.00          | \$20.14 | \$60.42           |
| 7/30/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 10.00         | \$20.14 | \$201.40          |
| 7/31/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 8.00          | \$20.14 | \$161.12          |
| 8/2/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 8.00          | \$20.14 | \$161.12          |
| 8/3/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 8.00          | \$20.14 | \$161.12          |
| 8/4/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 8.00          | \$20.14 | \$161.12          |
| 8/5/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 5.00          | \$20.14 | \$100.70          |
| 8/7/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 6.00          | \$20.14 | \$120.84          |
| 8/9/93   | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 4.00          | \$20.14 | \$80.56           |
| 8/10/93  | 00479       | 1987 D-7 DOZER 230HP               | HOUR | 8.00          | \$20.14 | \$161.12          |

|                    |       |                      |      |               |         |                   |
|--------------------|-------|----------------------|------|---------------|---------|-------------------|
| 8/11/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 6.00          | \$20.14 | \$120.84          |
| 8/13/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 8.00          | \$20.14 | \$161.12          |
| 8/14/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| 8/17/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 2.00          | \$20.14 | \$40.28           |
| 8/18/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| 8/19/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 4.00          | \$20.14 | \$80.56           |
| 8/20/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| 8/21/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 6.00          | \$20.14 | \$120.84          |
| 8/23/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| 8/24/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 4.00          | \$20.14 | \$80.56           |
| 8/25/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 10.00         | \$20.14 | \$201.40          |
| 8/30/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| 8/31/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 8.00          | \$20.14 | \$161.12          |
| 9/1/93             | 00479 | 1987 D-7 DOZER 230HP | HOUR | 8.00          | \$20.14 | \$161.12          |
| 9/2/93             | 00479 | 1987 D-7 DOZER 230HP | HOUR | 8.00          | \$20.14 | \$161.12          |
| 9/7/93             | 00479 | 1987 D-7 DOZER 230HP | HOUR | 10.00         | \$20.14 | \$201.40          |
| 9/8/93             | 00479 | 1987 D-7 DOZER 230HP | HOUR | 9.00          | \$20.14 | \$181.26          |
| 9/9/93             | 00479 | 1987 D-7 DOZER 230HP | HOUR | 9.00          | \$20.14 | \$181.26          |
| 9/13/93            | 00479 | 1987 D-7 DOZER 230HP | HOUR | 7.00          | \$20.14 | \$140.98          |
| <b>SUB TOTAL =</b> |       |                      |      | <b>220.00</b> |         | <b>\$4,430.80</b> |

|                    |       |                      |      |               |         |                   |
|--------------------|-------|----------------------|------|---------------|---------|-------------------|
| 7/27/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 7/28/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 7/29/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 6.00          | \$23.97 | \$143.82          |
| 7/30/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 7/31/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 4.00          | \$23.97 | \$95.88           |
| 8/4/93             | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 8/5/93             | 00484 | 1986 D-7 DOZER 230HP | HOUR | 4.00          | \$23.97 | \$95.88           |
| 8/6/93             | 00484 | 1986 D-7 DOZER 230HP | HOUR | 8.00          | \$23.97 | \$191.76          |
| 8/7/93             | 00484 | 1986 D-7 DOZER 230HP | HOUR | 8.00          | \$23.97 | \$191.76          |
| 8/9/93             | 00484 | 1986 D-7 DOZER 230HP | HOUR | 5.00          | \$23.97 | \$119.85          |
| 8/10/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 2.00          | \$23.97 | \$47.94           |
| 8/11/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 6.00          | \$23.97 | \$143.82          |
| 8/13/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 8/14/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| 8/20/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 8.00          | \$23.97 | \$191.76          |
| 8/21/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 8.00          | \$23.97 | \$191.76          |
| 8/23/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 4.00          | \$23.97 | \$95.88           |
| 8/26/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 8.00          | \$23.97 | \$191.76          |
| 8/30/93            | 00484 | 1986 D-7 DOZER 230HP | HOUR | 7.00          | \$23.97 | \$167.79          |
| <b>SUB TOTAL =</b> |       |                      |      | <b>120.00</b> |         | <b>\$2,876.40</b> |

|                    |       |                               |      |              |         |                 |
|--------------------|-------|-------------------------------|------|--------------|---------|-----------------|
| 7/27/93            | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 5.00         | \$16.00 | \$80.00         |
| 8/6/93             | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 6.00         | \$16.00 | \$96.00         |
| 8/20/93            | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 5.00         | \$16.00 | \$80.00         |
| 8/21/93            | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 5.00         | \$16.00 | \$80.00         |
| 12/3/93            | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 6.00         | \$16.00 | \$96.00         |
| 12/4/93            | 00505 | 1993 CAT446 4X4HOE 95HP. 2YD. | HOUR | 7.00         | \$16.00 | \$112.00        |
| <b>SUB TOTAL =</b> |       |                               |      | <b>34.00</b> |         | <b>\$544.00</b> |

|         |       |                              |      |      |         |          |
|---------|-------|------------------------------|------|------|---------|----------|
| 7/28/93 | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00 | \$16.00 | \$128.00 |
| 7/29/93 | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00 | \$16.00 | \$96.00  |
| 7/30/93 | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00 | \$16.00 | \$96.00  |
| 7/31/93 | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00 | \$16.00 | \$112.00 |
| 8/2/93  | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00 | \$16.00 | \$128.00 |

|                     |       |                              |      |               |          |                   |
|---------------------|-------|------------------------------|------|---------------|----------|-------------------|
| 8/3/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 9.00          | \$16.00  | \$144.00          |
| 8/4/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/5/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00          | \$16.00  | \$96.00           |
| 8/9/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00          | \$16.00  | \$112.00          |
| 8/10/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00          | \$16.00  | \$96.00           |
| 8/12/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/13/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/14/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00          | \$16.00  | \$112.00          |
| 8/17/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/18/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/19/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00          | \$16.00  | \$96.00           |
| 8/23/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 4.00          | \$16.00  | \$64.00           |
| 8/24/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 8/25/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00          | \$16.00  | \$112.00          |
| 8/26/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 6.00          | \$16.00  | \$96.00           |
| 8/31/93             | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 9/1/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00          | \$16.00  | \$112.00          |
| 9/2/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 7.00          | \$16.00  | \$112.00          |
| 9/7/93              | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 8.00          | \$16.00  | \$128.00          |
| 12/10/93            | 00506 | 1993 CAT46 4X4HOE 95HP. 2YD. | HOUR | 10.00         | \$16.00  | \$160.00          |
| SUB TOTAL =         |       |                              |      | <b>181.00</b> |          | <b>\$2,896.00</b> |
| 8/7/93              | 32275 | 92CHEVY3/4TON4X4TANKER 175HP | MILE | 27.00         | \$0.31   | \$8.37            |
| SUB TOTAL =         |       |                              |      | <b>27.00</b>  |          | <b>\$8.37</b>     |
| 8/6/93              | 32603 | 86CHEVY3/4TON4X4TANKER 175HP | MILE | 28.00         | \$0.31   | \$8.68            |
| 8/7/93              | 32603 | 86CHEVY3/4TON4X4TANKER 175HP | MILE | 23.00         | \$0.31   | \$7.13            |
| 8/20/93             | 32603 | 86CHEVY3/4TON4X4TANKER 175HP | MILE | 23.00         | \$0.31   | \$7.13            |
| 8/21/93             | 32603 | 86CHEVY3/4TON4X4TANKER 175HP | MILE | 22.00         | \$0.31   | \$6.82            |
| SUB TOTAL =         |       |                              |      | <b>96.00</b>  |          | <b>\$29.76</b>    |
| 12/3/93             | 32605 | 86CHEVY3/4TON4X4BLAZER 175HP | MILE | 74.00         | \$0.31   | \$22.94           |
| 12/4/93             | 32605 | 86CHEVY3/4TON4X4BLAZER 175HP | MILE | 77.00         | \$0.31   | \$23.87           |
| SUB TOTAL =         |       |                              |      | <b>151.00</b> |          | <b>\$46.81</b>    |
| 7/27/93             | 32742 | 87CHEVY3/4TON4X4TANKER 150HP | MILE | 31.00         | \$0.31   | \$9.61            |
| 7/29/93             | 32742 | 87CHEVY3/4TON4X4TANKER 150HP | MILE | 29.00         | \$0.31   | \$8.99            |
| 8/7/93              | 32742 | 87CHEVY3/4TON4X4TANKER 150HP | MILE | 35.00         | \$0.31   | \$10.85           |
| 9/7/93              | 32742 | 87CHEVY3/4TON4X4TANKER 150HP | MILE | 26.00         | \$0.31   | \$8.06            |
| SUB TOTAL =         |       |                              |      | <b>121.00</b> |          | <b>\$37.51</b>    |
| 8/6/93              | 32743 | 87CHEVY3/4TON4X4TANKER 175HP | MILE | 24.00         | \$0.31   | \$7.44            |
| 8/9/93              | 32743 | 87CHEVY3/4TON4X4TANKER 175HP | MILE | 31.00         | \$0.31   | \$9.61            |
| 8/10/93             | 32743 | 87CHEVY3/4TON4X4TANKER 175HP | MILE | 26.00         | \$0.31   | \$8.06            |
| 8/11/93             | 32743 | 87CHEVY3/4TON4X4TANKER 175HP | MILE | 24.00         | \$0.31   | \$7.44            |
| 11/17/93            | 32743 | 87CHEVY3/4TON4X4TANKER 175HP | MILE | 38.00         | \$0.31   | \$11.78           |
| SUB TOTAL =         |       |                              |      | <b>143.00</b> |          | <b>\$44.33</b>    |
| 12/10/93            | 41108 | 1991 FORD 10 YD DUMP         | MILE | 257.00        | \$0.60   | \$154.20          |
| SUB TOTAL =         |       |                              |      | <b>257.00</b> |          | <b>\$154.20</b>   |
| 7/30/93             | 41109 | 5 YARD DUMP/HIGHWAY          | DAY  | 1.00          | \$110.00 | \$110.00          |
| 7/31/93             | 41109 | 5 YARD DUMP/HIGHWAY          | DAY  | 1.00          | \$110.00 | \$110.00          |
| HIGHWAY SUB TOTAL = |       |                              |      | <b>2.00</b>   |          | <b>\$220.00</b>   |

|          |       |                                     |      |                |          |                 |
|----------|-------|-------------------------------------|------|----------------|----------|-----------------|
| 12/10/93 | 41110 | 1991 FORD 10 YD DUMP                | MILE | 203.00         | \$0.60   | \$121.80        |
|          |       | <b>SUB TOTAL =</b>                  |      | <b>203.00</b>  |          | <b>\$121.80</b> |
| 8/13/93  | 41850 | 5 YARD DUMP TRUCK                   | DAY  | 1.00           | \$110.00 | \$110.00        |
| 8/14/93  | 41850 | -- 5 YARD DUMP TRUCK                | DAY  | 1.00           | \$110.00 | \$110.00        |
|          |       | <b>HIGHWAY SUB TOTAL =</b>          |      | <b>2.00</b>    |          | <b>\$220.00</b> |
| 10/29/93 | 42113 | 1991 GM ASPEN DUMP TRUCK            | MILE | 211.00         | \$0.52   | \$109.72        |
| 10/30/93 | 42113 | 1991 GM ASPEN DUMP TRUCK *          | hour | 10.00          | \$11.00  | \$110.00        |
| 12/3/93  | 42113 | 1991 GM ASPEN DUMP TRUCK *          | hour | 10.00          | \$11.00  | \$110.00        |
| 12/4/93  | 42113 | 1991 GM ASPEN DUMP TRUCK *          | hour | 10.00          | \$11.00  | \$110.00        |
| 12/10/93 | 42113 | 1991 GM ASPEN DUMP TRUCK            | hour | 10.00          | \$11.00  | \$110.00        |
| 12/11/93 | 42113 | 1991 GM ASPEN DUMP TRUCK            | MILE | 83.00          | \$0.52   | \$43.16         |
|          |       | <b>SUB TOTAL =</b>                  |      | <b>1443.00</b> |          | <b>\$592.88</b> |
| 10/30/93 | 42114 | 1991 GM ASPEN DUMP TRUCK *          | hour | 10.00          | \$11.00  | \$110.00        |
| 12/10/93 | 42114 | 1991 GM ASPEN DUMP TRUCK *          | hour | 10.00          | \$11.00  | \$110.00        |
|          |       | <b>SUB TOTAL =</b>                  |      | <b>476.00</b>  |          | <b>\$220.00</b> |
| 7/27/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 135.00         | \$0.31   | \$41.85         |
| 7/28/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 29.00          | \$0.31   | \$8.99          |
| 7/29/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 132.00         | \$0.31   | \$40.92         |
| 7/30/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 25.00          | \$0.31   | \$7.75          |
| 7/31/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 26.00          | \$0.31   | \$8.06          |
| 8/2/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 26.00          | \$0.31   | \$8.06          |
| 8/3/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 25.00          | \$0.31   | \$7.75          |
| 8/4/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 28.00          | \$0.31   | \$8.68          |
| 8/12/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 39.00          | \$0.31   | \$12.09         |
| 8/13/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 42.00          | \$0.31   | \$13.02         |
| 8/14/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 25.00          | \$0.31   | \$7.75          |
| 8/16/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 51.00          | \$0.31   | \$15.81         |
| 8/17/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 72.00          | \$0.31   | \$22.32         |
| 8/18/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 26.00          | \$0.31   | \$8.06          |
| 8/19/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 27.00          | \$0.31   | \$8.37          |
| 8/20/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 26.00          | \$0.31   | \$8.06          |
| 8/21/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 30.00          | \$0.31   | \$9.30          |
| 8/23/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 22.00          | \$0.31   | \$6.82          |
| 8/24/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 23.00          | \$0.31   | \$7.13          |
| 8/25/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 26.00          | \$0.31   | \$8.06          |
| 8/26/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 52.00          | \$0.31   | \$16.12         |
| 8/30/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 40.00          | \$0.31   | \$12.40         |
| 8/31/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 32.00          | \$0.31   | \$9.92          |
| 9/1/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 31.00          | \$0.31   | \$9.61          |
| 9/2/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 30.00          | \$0.31   | \$9.30          |
| 9/7/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 32.00          | \$0.31   | \$9.92          |
| 9/8/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 35.00          | \$0.31   | \$10.85         |
| 9/9/93   | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 30.00          | \$0.31   | \$9.30          |
| 9/13/93  | 42910 | 1989 CHEVY 1 TON 4X4 TANKER         | MILE | 44.00          | \$0.31   | \$13.64         |
|          |       | <b>SUB TOTAL =</b>                  |      | <b>1161.00</b> |          | <b>\$359.91</b> |
| 10/29/93 | 47102 | 1991 PETERBILT 5YD SELD-LOADER DUMP | MILE | 160.00         | \$0.58   | \$92.80         |

|          |       |                                      |      |                    |                |  |                 |
|----------|-------|--------------------------------------|------|--------------------|----------------|--|-----------------|
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>160.00</b>  |  | <b>\$92.80</b>  |
| 12/10/93 | 47103 | 1991 PETERBILT 10YD SELF-LOADER DUMP | MILE | 264.00             | \$0.60         |  | \$158.40        |
| 12/11/93 | 47103 | 1991 PETERBILT 10YD SELF-LOADER DUMP | MILE | 84.00              | \$0.60         |  | \$50.40         |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>348.00</b>  |  | <b>\$208.80</b> |
| 7/26/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 112.00             | \$0.58         |  | \$64.96         |
| 7/30/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 24.00              | \$0.58         |  | \$13.92         |
| 7/31/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 43.00              | \$0.58         |  | \$24.94         |
| 8/2/93   | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 30.00              | \$0.58         |  | \$17.40         |
| 8/10/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 13.00              | \$0.58         |  | \$7.54          |
| 8/13/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 47.00              | \$0.58         |  | \$27.26         |
| 8/14/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 33.00              | \$0.58         |  | \$19.14         |
| 8/26/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 40.00              | \$0.58         |  | \$23.20         |
| 10/30/93 | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 248.00             | \$0.58         |  | \$143.84        |
| 12/3/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 259.00             | \$0.58         |  | \$150.22        |
| 12/4/93  | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 261.00             | \$0.58         |  | \$151.38        |
| 12/10/93 | 48108 | 1991 IHC 10YD DUMP 200HP             | MILE | 245.00             | \$0.58         |  | \$142.10        |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>1355.00</b> |  | <b>\$785.90</b> |
| 8/24/93  | 48796 | 87 IHC 3500 GAL WATER 175HP          | MILE | 31.00              | \$1.31         |  | \$40.61         |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>31.00</b>   |  | <b>\$40.61</b>  |
| 10/30/93 | 49007 | 1990 MACK 2 1/2 TON TRASH DUMP TRUCK | MILE | 177.00             | \$0.52         |  | \$92.04         |
| 12/3/93  | 49007 | 1990 MACK 2 1/2 TON TRASH DUMP TRUCK | HOUR | 10.00              | \$11.00        |  | \$110.00        |
| 12/4/93  | 49007 | 1990 MACK 2 1/2 TON TRASH DUMP TRUCK | HOUR | 10.00              | \$11.00        |  | \$110.00        |
| 12/10/93 | 49007 | 1990 MACK 2 1/2 TON TRASH DUMP TRUCK | HOUR | 10.00              | \$11.00        |  | \$110.00        |
| 12/11/93 | 49007 | 1990 MACK 2 1/2 TON TRASH DUMP TRUCK | MILE | 84.00              | \$0.52         |  | \$43.68         |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>1066.00</b> |  | <b>\$465.72</b> |
| 10/30/93 | 49702 | 87 MACK 10YD DUMP 200HP              | MILE | 327.00             | \$0.58         |  | \$189.66        |
| 12/3/93  | 49702 | 87 MACK 10YD DUMP 200HP              | MILE | 252.00             | \$0.58         |  | \$146.16        |
| 12/4/93  | 49702 | 87 MACK 10YD DUMP 200HP              | MILE | 194.00             | \$0.58         |  | \$112.52        |
| 12/10/93 | 49702 | 87 MACK 10YD DUMP 200HP              | MILE | 269.00             | \$0.58         |  | \$156.02        |
| 12/11/93 | 49702 | 87 MACK 10YD DUMP 200HP              | MILE | 82.00              | \$0.58         |  | \$47.56         |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>1124.00</b> |  | <b>\$651.92</b> |
| 7/30/93  | 72133 | 91 CHEVYS-10 4X4 TANKER 100HP        | MILE | 25.00              | \$0.25         |  | \$6.25          |
| 7/31/93  | 72133 | 91 CHEVYS-10 4X4 TANKER 100HP        | MILE | 25.00              | \$0.25         |  | \$6.25          |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>50.00</b>   |  | <b>\$12.50</b>  |
| 10/30/93 | 72202 | 1992 CHEVY S-10 4X4 P/U-TANKER       | MILE | 62.00              | \$0.25         |  | \$15.50         |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>62.00</b>   |  | <b>\$15.50</b>  |
| 7/27/93  | 72240 | 1992 CHEVY S-10 4X4 TANKER           | MILE | 96.00              | \$0.25         |  | \$24.00         |
| 7/28/93  | 72240 | 1992 CHEVY S-10 4X4 TANKER           | MILE | 15.00              | \$0.25         |  | \$3.75          |
| 7/29/93  | 72240 | 1992 CHEVY S-10 4X4 TANKER           | MILE | 21.00              | \$0.25         |  | \$5.25          |
| 7/30/93  | 72240 | 1992 CHEVY S-10 4X4 TANKER           | MILE | 25.00              | \$0.25         |  | \$6.25          |
| 7/31/93  | 72240 | 1992 CHEVY S-10 4X4 TANKER           | MILE | 18.00              | \$0.25         |  | \$4.50          |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>175.00</b>  |  | <b>\$43.75</b>  |
| 8/13/93  | 72242 | 92 CHEVYS-10 4X4 TANKER 100HP        | MILE | 31.00              | \$0.25         |  | \$7.75          |
|          |       |                                      |      | <b>SUB TOTAL =</b> | <b>31.00</b>   |  | <b>\$7.75</b>   |
| 7/30/93  | 72323 | 1993 CHEVY S-10 4X4 TANKER           | MILE | 79.00              | \$0.25         |  | \$19.75         |

|          |       |                              |      |               |          |                   |
|----------|-------|------------------------------|------|---------------|----------|-------------------|
| 9/2/93   | 72323 | 1993 CHEVY S-10 4X4 TANKER   | MILE | 26.00         | \$0.25   | \$6.50            |
| 10/29/93 | 72323 | 1993 CHEVY S-10 4X4 TANKER   | MILE | 58.00         | \$0.25   | \$14.50           |
| 12/9/93  | 72323 | 1993 CHEVY S-10 4X4 TANKER   | MILE | 123.00        | \$0.25   | \$30.75           |
| 12/10/93 | 72323 | 1993 CHEVY S-10 4X4 TANKER   | MILE | 60.00         | \$0.25   | \$15.00           |
|          |       | <b>SUB TOTAL =</b>           |      | <b>346.00</b> |          | <b>\$86.50</b>    |
| 8/5/93   | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 12.00         | \$0.25   | \$3.00            |
| 8/9/93   | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 16.00         | \$0.25   | \$4.00            |
| 8/10/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 18.00         | \$0.25   | \$4.50            |
| 8/11/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 67.00         | \$0.25   | \$16.75           |
| 8/16/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 77.00         | \$0.25   | \$19.25           |
| 8/18/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 88.00         | \$0.25   | \$22.00           |
| 8/19/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 89.00         | \$0.25   | \$22.25           |
| 8/23/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 75.00         | \$0.25   | \$18.75           |
| 8/25/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 45.00         | \$0.25   | \$11.25           |
| 8/30/93  | 72702 | 1987 CHEVY S-10 4X4 TANKER   | MILE | 40.00         | \$0.25   | \$10.00           |
|          |       | <b>SUB TOTAL =</b>           |      | <b>527.00</b> |          | <b>\$131.75</b>   |
| 8/14/93  | 72931 | 89 CHEVYS-10 4X4TANKER 100HP | MILE | 27.00         | \$0.25   | \$6.75            |
|          |       | <b>SUB TOTAL =</b>           |      | <b>27.00</b>  |          | <b>\$6.75</b>     |
| 8/6/93   | R2029 | BLADE, 140G                  | DAY  | 1.00          | \$297.00 | \$297.00          |
| 8/7/93   | R2029 | BLADE, 140G                  | DAY  | 8.00          | \$297.00 | \$2,376.00        |
| 8/20/93  | R2029 | BLADE, 140G                  | DAY  | 1.00          | \$297.00 | \$297.00          |
| 8/21/93  | R2029 | BLADE, 140G                  | DAY  | 1.00          | \$297.00 | \$297.00          |
|          |       | <b>ACTION SUB TOTAL =</b>    |      | <b>11.00</b>  |          | <b>\$3,267.00</b> |
| 8/6/93   | R2208 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
| 8/20/93  | R2208 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
| 8/21/93  | R2208 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
|          |       | <b>HERTZ SUB TOTAL =</b>     |      | <b>3.00</b>   |          | <b>\$810.00</b>   |
| 8/7/93   | R2211 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
| 8/13/93  | R2211 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
| 8/20/93  | R2211 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
| 8/21/93  | R2211 | 4,000 GALLON WATER TRUCK     | DAY  | 1.00          | \$270.00 | \$270.00          |
|          |       | <b>HERTZ SUB TOTAL =</b>     |      | <b>4.00</b>   |          | <b>\$1,080.00</b> |
| 8/7/93   | R3001 | 60# ELECTRIC HAMMER          | DAY  | 1.00          | \$23.00  | \$23.00           |
|          |       | <b>VALLEY SUB TOTAL =</b>    |      | <b>1.00</b>   |          | <b>\$23.00</b>    |
| 8/6/93   | R3004 | 5 YARD DUMP TRUCK-4366       | DAY  | 1.00          | \$110.00 | \$110.00          |
|          |       | <b>VALLEY SUB TOTAL =</b>    |      | <b>1.00</b>   |          | <b>\$110.00</b>   |

|                                 |                    |
|---------------------------------|--------------------|
| <b>RENTAL EQUIPMENT TOTAL =</b> | <b>\$5,290.00</b>  |
| <b>FCD EQUIPMENT TOTAL =</b>    | <b>\$18,014.02</b> |
| <b>TOTAL EQUIPMENT COST =</b>   | <b>\$23,304.02</b> |

\* DENOTES USE OF LESSER CHARGE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 BOARD OF DIRECTORS  
 AGENDA INFORMATION FORM  
 REQUEST SCHEDULING FOR AGENDA OF:

December 3, 1979

AGEN page \_\_\_\_\_ item \_\_\_\_\_

Formal

Consent

This BLOCK for Board use ONLY

1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION (If necessary attach one page summary) On November 5, 1979, the Board approved the issuance of Invitation to Bid 79-5 for the Salt-Gila River Clearing, Segment 2. On November 21, 1979, sealed bids were opened. The low bidder is Edward S. Kelton Contracting Company, Inc., at an estimated total contract price of \$178,500 (based on \$700 per acre for approximately 255 acres) which is below the Engineer's Estimate of \$192,180.75. One other bid in the amount of \$289,425 was received. The sum of \$200,000 has been budgeted for this (See continuation sheet)  
 ( ) Letter of intent or information previously submitted to the Board regarding this action is attached.

2. LANGUAGE TO BE USED IN THE AGENDA:

It is recommended by the Chief Engineer and General Manager that the Board approve and the Chairman sign a contract with Edward S. Kelton Contracting Company, Inc. for the Salt-Gila River Clearing, Segment 2, Contract Number FCD 79-5. The total bid price for this unit price contract is \$178,500.

3. COST OF PROPOSAL:

|                                                       | TOTAL   | DISTRICT BUDGET                   |                  | INT/GOVT. FUNDS |        |
|-------------------------------------------------------|---------|-----------------------------------|------------------|-----------------|--------|
|                                                       |         | AMOUNT                            | SOURCE           | AMOUNT          | AMOUNT |
| A. Cost for balance of current fiscal year            | 178,500 | 89,250 (Arizona Water Commission) | Revenue Sharing  | 89,250          |        |
| B. Cost for next fiscal year                          | -0-     | -0-                               |                  |                 | -0-    |
|                                                       |         | Current Fiscal Year               | Next Fiscal Year |                 |        |
| C. Additional cost incurred by supporting departments |         | -0-                               | -0-              |                 |        |
| D. Additional employees required                      |         | -0-                               | -0-              |                 |        |

4. AFTER BOARD ACTION, RETURN TO:

Return four (4) copies to the Flood Control District and retain one (1) copy for the Clerk's file.

5. ACTION RECOMMENDED BY: (Elected Official, Department Director, Board or Commission)

For Herbert P. Donald  
Chief Engineer and General Manager  
 Name and Title

DePugliese  
 Signature 11/23/79

6. LEGAL REVIEW:

Approved as to form: ( )  
 Not necessary X

\_\_\_\_\_  
 General Counsel

7. FINANCIAL REVIEW:

Controller ( )  
 Intergovernmental Relations (X)  
 Office of Management & Budget ( )  
 Not Necessary ( )

\_\_\_\_\_  
 Financial Officer

-----  
 Complete upper portion and deliver to appropriate APPROVING OFFICIAL  
 -----

REVISED AGENDA LANGUAGE OR COMMENTS:

\_\_\_\_\_  
 Approving Official



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. 2, FINAL Month May Year 1980  
 Name of Project Salt-Gila River Clearing Contract No. FCD 79-5  
 Date Started December 3, 1979 Segment 2 Contractor Edward S. Kelton Contracting Co., Inc.  
 % Completed 63% Address 2141 E. Beardsley Rd. P.O. Box 9819  
 Date Completed Terminated May 2, 1980 Phoenix, Arizona 85068

| ITEM NO | ITEM                                                                                                                                                                                                                                                               | UNIT | QUANTITY IN PLACE | UNIT PRICE | AMOUNT BILLED |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|------------|---------------|
| 1       | Clearing, Grubbing and Grading                                                                                                                                                                                                                                     | Acre |                   | 700.00     |               |
|         | 120.7 acres @ 100% = 84,490.00                                                                                                                                                                                                                                     |      |                   |            |               |
|         | 67.6 acres @ 60% = 28,392.00                                                                                                                                                                                                                                       |      |                   |            |               |
|         | <u>\$112,882.00</u>                                                                                                                                                                                                                                                |      |                   |            | 112,882.00    |
|         | Allowance for Mobilization and Demobilization                                                                                                                                                                                                                      |      |                   |            |               |
|         | 5% x 178,500 =                                                                                                                                                                                                                                                     |      |                   |            | 8,925.00      |
|         | <u>RELEASE OF CLAIMS</u>                                                                                                                                                                                                                                           |      |                   |            |               |
|         | The Edward S. Kelton Contracting Co., Inc. does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 79-5 dated December 3, 1979, except as herein stated. |      |                   |            |               |
|         | Signature _____                                                                                                                                                                                                                                                    |      | Date _____        |            |               |
|         | Title _____                                                                                                                                                                                                                                                        |      |                   |            |               |

|                                 |                            |            |
|---------------------------------|----------------------------|------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR | 121,807.00 |
|                                 | Less 10% retained          | -0-        |
|                                 | Net Amount Due Contractor  | 121,807.00 |
|                                 | Deduct Previous Payments   | 101,593.80 |
|                                 | Other Deductions           | -0-        |
|                                 | Total Deductions           | 101,593.80 |
| Amount to be paid this Estimate | 20,213.20                  |            |

Prepared by S. L. Smith, Jr. Date 5/2/80 SUBMITTED by E. S. Kelton Date \_\_\_\_\_  
 Approved by \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by \_\_\_\_\_ Date \_\_\_\_\_

# Merchants



Mutual BONDING CO.

ARIZONA OFFICE  
P. O. BOX 33097  
300 W. OSBORN RD., SU. 200  
PHOENIX, AZ. 85067  
(602) 264-7788

2100 GRAND AVENUE • DES MOINES, IOWA 50312

June 2, 1980

**F.C.O. 79-5**

Maricopa County  
Flood Control District  
3335 W. Durango  
Phoenix, Arizona 85034

Re: Bond No. AZ 68944  
Principal: EDWARD S. KELTON  
CONTRACTING CO.,  
Amount \$178,500.00

Dear Sirs:

Our bond, above, captioned, was issued November 26, 1979 cover

Clearing & Grubbing at Gillespie Dam

FCD 79-5-2

Will you be good enough to supply information requested below, in order that our Home Office records may be kept up to date?  
Merchants Mutual Bonding Company hereby releases the architect or engineer supplying the information contained on this form from any and all liability whatsoever which might in any way result from the accuracy or inaccuracy of the information requested and supplied by this form.

Yours very truly,

MERCHANTS MUTUAL BONDING COMPANY

M. M. Thompson, Vice President

VT

1. What percentage of work completed? Terminated May 2, 1980 @ 63%  
If completed, state when N/A
2. If unfinished, state probable date of completion N/A
3. Amount paid contractor up to date? \$ 121,807.00
4. Amount of retained percentage by owner? None
5. If the original contract has been increased because of changes made therein, please state amount of increase N/A
6. Has work progressed satisfactorily to date? Yes
7. Are there any claims made in your office for unpaid labor or material? No
8. Additional comments, if any Contract was terminated because of changed conditions caused by flood of February 1980.

Dated at Flood Control District of  
Maricopa County

Signature W. W. Matthews

June 9 1980

Address 3335 W. Durango  
Phoenix, AZ 85034

Coord: STS  
DEC

File: Contract 79-5

1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:

On June 2, 1980, the Board of Directors approved the issuance of Invitation for Bid for Contract FCD 80-7 Salt-Gila River Clearing, Segment 1 to provide for a 1,000 foot wide clearing between 91st Avenue and 123rd Avenue (El Mirage Road) with the option of an additive item for clearing between 123rd Avenue and Bullard Road. Bids were opened on June 18, 1980. Bids were received ranging from \$ 179,225 to \$ 411,630. The engineer's estimate is \$ 363,270. The low bidder was L. PELAND CONTRACTORS in the amount of \$ 179,225, not including the additive item.

2. COST OF PROPOSAL:

| Funding Source:       | Budgeted<br>Rev. Sharing | AZ Water<br>Commission |          | TOTAL          |
|-----------------------|--------------------------|------------------------|----------|----------------|
| Funding Amount:       | <u>179,225</u>           | <u>-0-</u>             |          | <u>179,225</u> |
| Other Cost:           | Indirect                 | <u>-0-</u>             | Next F/Y | <u>-0-</u>     |
| Additional Employees: | Current F/Y              | <u>-0-</u>             | Next F/Y | <u>-0-</u>     |

3. RECOMMENDED MOTION:

It is moved that the Board of Directors award Contract FCD 80-7, Salt-Gila Clearing, Segment 1 to L. PELAND CONTRACTORS in the amount of \$ 179,225.

ACTION TAKEN:  APPROVED  DISAPPROVED  CONTINUED DATE: \_\_\_\_\_

\_\_\_\_\_  
CLERK OF THE BOARD

4. LEGAL REVIEW:

Approved as to form: ( )  
Not necessary: (X)

\_\_\_\_\_  
FLOOD CONTROL DISTRICT GENERAL COUNSEL

5. FINANCIAL REVIEW:

Controller ( )  
Intergovernmental Relations (X)  
Office of Management & Budget ( )  
Not necessary ( )

Ernest J. Jabke  
FINANCIAL OFFICER

6. PERSONNEL REVIEW:

Personnel ( )  
Not necessary (X)

\_\_\_\_\_  
PERSONNEL DIRECTOR

7. ACTION RECOMMENDED BY:

SA/ W. D. Mathews  
Chief Engineer & General Manager  
NAME & TITLE

W. D. Mathews  
SIGNATURE (6-3-80)

\_\_\_\_\_  
APPROVING OFFICIAL

INVITATION FOR BIDS  
(Construction Contract)

Salt-Gila River Clearing  
Segment 1

Ref. Invitation FCD 80-7  
Date: June 2, 1980  
Issued by: Flood Control District  
of Maricopa County

Vicinity: 91st Avenue west of Phoenix  
Maricopa County, Arizona

SEALED BIDS, IN SINGLE COPY FOR THE WORK DESCRIBED HEREIN WILL BE RECEIVED UNTIL 2 P.M., LOCAL TIME AT THE PLACE OF THE BID OPENING, June 18, 1980, IN THE OFFICE OF THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA 85009, AND AT THAT TIME PUBLICLY OPENED.

PROSPECTIVE BIDDERS MAY ASSEMBLE AT THE FLOOD CONTROL DISTRICT OFFICES ON June 11, 1980, AT 9:00 A.M. FOR A PRE-BID CONFERENCE TO BE FOLLOWED BY A GROUP SHOWING OF THE WORK SITE. IF YOU ARE UNABLE TO ATTEND THE GROUP SHOWING, ARRANGEMENTS TO INSPECT THE SITE MAY BE MADE WITH THE FLOOD CONTROL DISTRICT PROJECT ENGINEER, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA, 85009. (PHONE: 262-1501).

BID SECURITY IN AN AMOUNT OF NOT LESS THAN FIVE PERCENT (5%) OF THE TOTAL BID PRICE MUST BE SUBMITTED WITH EACH BID. THE BID SECURITY MAY BE IN THE FORM OF A BID BOND, CASHIERS CHECK, POSTAL MONEY ORDER, OR CASH. THE BID SECURITY WILL BE MADE PAYABLE TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY AS A GUARANTEE THAT IF THE WORK IS AWARDED TO THE BIDDER, HE WILL WITHIN TEN (10) DAYS FROM THE DATE OF SUCH AWARD, ENTER INTO PROPER CONTRACT AND BOND CONDITIONS FOR THE FAITHFUL PERFORMANCE OF THE WORK. OTHERWISE, SAID AMOUNT WILL BE FORFEITED TO THE FLOOD CONTROL DISTRICT. BID SECURITY WILL BE RETURNED AS PRESCRIBED BY MAG 103.

THE SUCCESSFUL BIDDER SHALL BE REQUIRED TO FURNISH PERFORMANCE AND PAYMENT BONDS IN PENAL SUMS NOT LESS THAN ONE HUNDRED PERCENT (100%) RESPECTIVELY, OF THE ORIGINAL AMOUNT OF THE CONTRACT.

DESCRIPTION OF WORK: THE PROPOSED WORK CONSISTS OF CLEARING AN AREA 1,000 FEET WIDE IN THE NATURAL STREAMBED OF THE SALT AND GILA RIVERS TO PROVIDE FOR THE UNRESTRICTED PASSAGE OF FLOODWATERS, AND OTHER MISCELLANEOUS ITEMS OF WORK REQUIRED IN CONJUNCTION WITH THE CLEARING EFFORT. THE APPROXIMATE AREA TO BE CLEARED COMPRISES 485 ACRES.

THE WORK SHALL COMMENCE WITHIN SEVEN (7) CALENDAR DAYS AND BE COMPLETED WITHIN ONE HUNDRED TWENTY (120) CALENDAR DAYS AFTER RECEIPT OF THE NOTICE TO PROCEED.

NOTICE: THE BID SCHEDULE, SPECIAL PROVISIONS, INSTRUCTIONS TO BIDDERS, UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EDITION OF 1979 (MAG) AND DRAWINGS LISTED UNDER THE CONTENTS, WILL BE INCORPORATED IN AND BECOME A PART OF THE RESULTANT CONTRACT.

RHEA WOODALL, CLERK  
BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION FOR BIDS, FCD 80-7  
INSTRUCTIONS TO BIDDERS

1. Explanation to Bidders. Any explanations desired by the bidder, questions, or items for clarification regarding the meaning or interpretation of the invitation for bids, drawings, specifications, etc., may be addressed to the Chief Engineer and General Manager, preferably in writing, prior to the pre-bid conference. Any answers, interpretations, or clarifications affecting the cost will be addressed to all bidders in an addendum to the invitation. The receipt of an addendum by the bidder must be acknowledged in the space provided on the bid form or by letter or telegram received before the time set for the bid opening. Oral explanations or instructions given before the award of the contract will not be binding.
2. Conditions Affecting the Work. It is in the best interest of the bidders to attend the pre-bid conference and site showing. Bidders should visit the site and take such other steps as may be reasonably necessary to ascertain the nature and the location of the work, the general and local conditions which can affect the work and the cost thereof. Failure to do so will not relieve bidders from responsibility for estimating properly the difficulty or cost of successfully performing the work. (See MAG 102.4)
3. Bidder's Qualifications. The bidder shall be appropriately licensed as a Contractor in the State of Arizona for performing the type of work described. Before a bid is considered for award, a bidder may be requested by the Chief Engineer and General Manager of the Flood Control District to submit a statement regarding his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the work.
4. Bid Guarantee. Where a bid guarantee is required by the invitation for bids, failure to furnish a bid guarantee in the proper form and amount by the time set for opening of bids, may be cause for rejection of the bid.

If the successful bidder, upon acceptance of his bid by the Flood Control District with the period specified herein for acceptance (sixty days if no period is specified) fails to execute such further contractual documents, if any, and give such bond (s) as may be required by the terms of the bid as accepted within the time specified (ten days if no period is specified) after receipt of the forms by him, his contract may be terminated for default. In such event he shall be liable for any cost of procuring the work which exceeds the amount of his bid, and the bid guarantee shall be available toward offsetting such difference.

5. Preparation of Bids. Bids shall be submitted on the forms furnished, or copies thereof, and must be manually signed. If erasures or other changes appear on the forms, each erasure or change must be initialed by the person signing the bid. Unless specifically authorized in the invitation for bids, telegraphic bids will not be considered.

No bid will be considered unless all items in the bid schedule are priced. In case of an error in the extension of price, the unit price shall govern. The quantities listed on the bid schedule on which unit prices are requested are estimates only.

Unless called for, alternate bids will not be considered.

Modifications of bids already submitted will be considered if received at the office designated in the invitation for bids by the time set for opening bids.

6. Submission of Bids. Bids must be sealed, addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 3335 West Durango, Phoenix, Arizona 85009, and marked to identify the bid to the referenced Contract FCD Number. Failure to appropriately identify the bid may result in a premature opening of, or a failure to open, such bid. The name of the bidder shall be on the outside of the envelope. (See MAG 102.9).
7. Withdrawal of Bids or Modifications. Bids may be withdrawn by written request received from the bidder prior to the time set for the opening of bids.
8. Public Opening of Bids. Bids will be publicly opened at the time and place set for the opening in the invitation for bids. Their content will be made public for the information of bidders and others interested, who may be present either in person or by representative.
9. Award of Contract. Award and execution of a contract shall be in accordance with MAG Section 103.
10. Specifications. Specifications referred to herein shall include all revisions and amendments in effect on the date of issuance of the invitation for bids. These instructions, Special Instructions to Bidders, and the herein contained Construction Special Provisions supplement the Uniform Standard Specifications herein referred to by "MAG" section number or paragraph number; however, in case of conflict, these instructions and Special Provisions supersede the Uniform Standard Specifications (MAG).

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 INVITATION FOR BIDS, FCD 80-7  
 SPECIAL INSTRUCTIONS TO BIDDERS

Location of the Work. The proposed work is located in the natural streambed of the Salt and Gila Rivers west of Phoenix between 91st Avenue and 123rd Avenue (El Mirage Road) with an additive bid item for work between 123rd Avenue and 147th Avenue (Bullard Road). The proposed work is in the following identified sections of the Gila and Salt River Base and Meridian,

- T1N R1E Sections 31, 32, 33
- T1N R1W Sections 33, 34, 35, 36

Project Bid Range. The cost of work under this contract is anticipated to range from \$250,000 to \$375,000.

Contract Plans, Special Provisions and Contract Documents: Plans, Special Provisions, and forms for proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona, upon payment of \$5.00 by check payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded.

APPROXIMATE QUANTITIES FOR PRINCIPAL ITEMS

| <u>QUANTITY</u> | <u>UNIT</u> | <u>DESCRIPTION</u>                   |
|-----------------|-------------|--------------------------------------|
| 485             | Acre        | Clearing, grubbing and rough grading |
| 6,050           | L.F.        | 50' Channel excavation and grading   |
| 200             | L.F.        | 5' Ditch excavation and grading      |

APPROXIMATE QUANTITY FOR ADDITIVE ITEM

|     |      |                                      |
|-----|------|--------------------------------------|
| 364 | Acre | Clearing, grubbing and rough grading |
|-----|------|--------------------------------------|

And such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions or in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction.

Prevailing Wage Scale: The provisions of the Davis-Bacon Act apply to this contract. All labor employed on this work shall be paid at rates not less than prevailing rates of wages as determined by the U. S. Department of Labor. A list of the prevailing wage rates is on file in the office of the

Flood Control District of Maricopa County, and included herein.

Additive Item: The bid price for the additive item of work will not be included in the total contract bid price for the purpose of determining the lower bidder for award of this contract.

The District reserves the right to award the contract including the additive item at the stated bid price for that item, or to modify the contract to include the additive item at the stated bid price at any time within sixty (60) days of the date of award, or to reject the bid price for the additive item and subsequently advertise for competitive bid as a separate contract.

Award of the additive item is contingent upon acquisition of land rights.

RHEA WOODALL, CLERK  
BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY

RECEIVED

AUG 12 '80

|                    |       |
|--------------------|-------|
| <i>[Signature]</i> | HYDRO |
| ASST               | LMRT  |
| <i>[Signature]</i> | SURV  |
| <i>[Signature]</i> | FILE  |
| ENGR               | DES   |
|                    | PKS   |

August 7, 1980

Ireland Contracting Company, Inc.  
1712 South Nineteenth Avenue  
Phoenix, Arizona 85009

Attn: Mr. David Kessen

Subject: Contract No. FCD 80-7, Salt-Gila River Clearing, Segment I,  
Notice to Proceed

Dear Mr. Kessen:

Contract No. FCD 80-7, Salt-Gila River Clearing, Segment I was awarded to your firm on June 23, 1980.

You are hereby notified to commence work on referenced Contract as soon as practicable and to complete all work within one-hundred-twenty (120) calendar days after receipt of this Notice.

Please acknowledge receipt of this Notice to Proceed with Work by entering the date and signing below, in duplicate, and return the copy to me.

Sincerely,

Signed: W. D. MATHES

William D. Mathews, P. E.

Notice to Proceed: Acknowledged

Date 8-11-80

*[Signature]*  
PRESIDENT



FLOOD CONTROL DISTRICT of Maricopa County

Sheet 1 of 1

Contract Change Order No. 1

Cont. FCD 80-7

Date September 30, 1980

Salt-Gila Crg. Seg 1

To: Ireland Contracting Co., Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on above-mentioned project.

Change requested by Chief, Construction & Operations Division  
Flood Control District

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment on force account work cover only such time as equipment is actually used and no allowance will be made for idle times.

° (1) Estimate of increases and/or decreases in contract items at contract prices.

°° (2) Estimate of extra work at agreed price and/or force account.

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                | Original              |                     | DIFF.<br>+ OR - | UNIT<br>PRICE | DIFFERENCE |   |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-----------------|---------------|------------|---|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ESTIMATED<br>QUANTITY | Changed<br>QUANTITY |                 |               | +          | - |
| *1   | Clearing, Grubbing and Rough Grading<br><br>Location of Work: The proposed additional 50+ acres of work is located in the natural streambed of the Gila River south of the community of Arlington, Sections 21 and 28, T2S, R5W. The additional clearing will be a 300 foot wide strip east and parallel to a newly excavated channel, beginning at a northline to be established in the field as agreed by the Flood Control District and the contractor. | 485                   | 535                 | +50             | 350.00        | 17,500     |   |
|      | CONTRACT AS BID total                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                     |                 |               | \$179,225  |   |
|      | This Change Order                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                     |                 |               | + 17,500   |   |
|      | New Contract total                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                 |               | \$196,725  |   |

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 30 days extension of time will be allowed.

Contractor Ireland Contracting Co., Inc.

By [Signature]

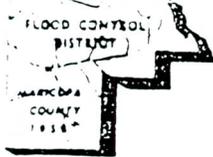
Date 9-30-80 TITLE Chief, Construction & Operations Division

Recommended by [Signature]

Approved by [Signature]

Date 9-30-80

Date 10-22-80 Chairman, Board of Directors



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. (5) Final  
 Name of Project Salt/Gila River Crg.Seg.1  
 Date Started August 11, 1980  
 % Completed 100  
 Date Completed January 23, 1981  
 Month January Year 1981  
 Contract No. FCD 80-7  
 Contractor Ireland Contracting Co., Inc.  
 Address 1712 South 19th Avenue  
 Phoenix, AZ 85009

| LINE NO | ITEM                                                                                                                                                                                                                                                   | UNIT | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|------------|----------------|
| 1       | Clearing, Grubbing and Rough Grading                                                                                                                                                                                                                   | Acre | 485               | \$350.00   | \$169,750.00   |
| 2       | Channel Excavation and Grading                                                                                                                                                                                                                         | L.F. | 5800              | 1.50       | 8,700.00       |
| 3       | Ditch Excavation                                                                                                                                                                                                                                       | L.F. | 200               | 2.00       | 400.00         |
|         | <u>Change Order #1</u>                                                                                                                                                                                                                                 |      |                   |            |                |
|         | Clearing, Gillespie Reservoir                                                                                                                                                                                                                          | Acre | 38.69             | 350.00     | 13,541.50      |
|         | <u>Release of Claims</u>                                                                                                                                                                                                                               |      |                   |            |                |
|         | The Ireland Contracting Co. Inc. does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 80-7, dated June 23, 1980, except as herein stated. |      |                   |            |                |
|         | Signature <i>David Ireland</i>                                                                                                                                                                                                                         |      | Date 1-16-81      |            |                |
|         | Title <i>President</i>                                                                                                                                                                                                                                 |      |                   |            |                |

|         |                                 |            |
|---------|---------------------------------|------------|
| REMARKS | TOTAL EARNED BY CONTRACTOR      | 192,391.50 |
|         | Less 10% retained               | ----       |
|         | Net Amount Due Contractor       | 192,391.50 |
|         | Deduct Previous Payments        | 161,972.10 |
|         | Other Deductions                | ----       |
|         | Total Deductions                | 161,972.10 |
|         | Amount to be paid this Estimate | 30,419.40  |

Prepared by *W. C. Anderson* Date 1-15-81 SUBMITTED by *David Kessen* 1-15-81  
 Approved by *Stan L. Smith Jr.* Date 1-15-81

PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 82-7, Salt/Gila River Clearing, Segment 3. Bid opening at 2:00 p.m., March 18, 1982.

Copies of the specifications are available for a nonrefundable \$5.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Award will be contingent upon receipt of required environmental and land rights clearances. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

---

Please publish for six consecutive days in the Arizona Republic starting Monday, February 23, 1982.

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

# FLOOD CONTROL DISTRICT

Member of the

FLOOD CONTROL DISTRICT  
RECEIVED

JUL 12 '82

|                      |                 |
|----------------------|-----------------|
| CH ENG               | HYDRO           |
| ASST                 | LMgt            |
| ADMIN                | SUSP            |
| <del>C &amp; O</del> | FILE FCD 82-7   |
| ENGR                 | DESTROY         |
| FINANCE              | <del>FILE</del> |
| REMARKS              |                 |

Mr. Raymond E. Bluff, President  
Mingus Constructors, Inc.  
P. O. Box 1999  
Cottonwood, Arizona 86326

Re: Contract FCD 82-7, Salt Gila River Clearing, Segment #3

Dear Mr. Bluff:

The Board of Directors of the Flood Control District of Maricopa County in open formal session on June 28, 1982 awarded subject contract to your firm. You are hereby given Notice to Proceed with the work under the terms of the contract. A copy of the signed document will be forwarded to you by separate letter.

Please acknowledge receipt of this Notice to Proceed by signature and date in the space provided, and return the duplicate copy to our office.

Sincerely,

D. E. Sagramoso

Enclosure

By

*Raymond E. Bluff*  
Mingus Constructors, Inc.

7/12  
Date

BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:

It is requested that the Board of Directors authorize advertising for bids for IFB FCD 82-7, Salt/Gila River Clearing, Segment 3. This project will clear vegetation from a 1,000 foot wide strip in the river from 123rd Avenue to 147th (Bullard) Avenue, a distance of three miles at a cost estimated to range from \$75,000 to \$150,000.

Environmental clearance and a Certificate of Compatibility from the U. S. Fish and Wildlife Service are expected on or about March 17, 1982. These clearances are necessary to proceed with the work. Bid opening is scheduled for March 18, 1982, at 2:00 p.m. at the Flood Control District offices.

The Flood Control District staff will handle the advertising directly with the Arizona Republic Newspaper. A copy of the notice to be placed in the newspaper is attached.

MOTION: IT IS MOVED THAT THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BOARD OF DIRECTORS authorize issuance of Invitation for Bid for FCD 82-7, Salt/Gila River Clearing, Segment 3.

FINANCIAL:  BUDGETED  CONTINGENCY  BUDGET AMENDMENT  TRANSFER  GRANT OR OTHER

0  
 TOTAL COST \_\_\_\_\_ FUND \_\_\_\_\_ FINANCIAL OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

PERSONNEL:

PERSONNEL DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

OFFICE OF MANAGEMENT ANALYSIS:

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

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

GENERAL COUNSEL \_\_\_\_\_ DATE \_\_\_\_\_

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROVED FOR AGENDA

ACTION RECOMMENDED BY \_\_\_\_\_ DATE \_\_\_\_\_

APPROVING OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

BOARD OF DIRECTORS

ACTION TAKEN  APPROVED  DISAPPROVED  CONTINUED TO \_\_\_\_\_

DATE \_\_\_\_\_ CLERK OF THE BOARD \_\_\_\_\_



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. (3) Final Month October Year 1982  
 Name of Project Salt/Gila Clearing, Seg #3 Contract No. FCD 82-7  
 Date Started June 28, 1982 Contractor Mingus Constructors, Inc.  
 % Completed 100 Address P. O. Box 1999  
 Date Completed October 31, 1982 Cottonwood, Az. 86236

| UNIT NO. | ITEM                                                                                                                                                                                                                                            | UNIT  | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------|------------|-----------------------|
| 1        | Clearing, grubbing & rough grading                                                                                                                                                                                                              | Acres | 348               | 310.00     | \$107,880.00          |
|          | Change Order No. 1                                                                                                                                                                                                                              |       |                   |            |                       |
|          | (a) Berm along Wasteway.                                                                                                                                                                                                                        |       |                   |            |                       |
|          | (b) Roadway Construction                                                                                                                                                                                                                        |       |                   |            |                       |
|          | (c) Clearing for fenceline                                                                                                                                                                                                                      |       |                   |            |                       |
|          | (d) Furnish and install C.M.P.                                                                                                                                                                                                                  |       |                   |            |                       |
|          | Total for C.O. #1                                                                                                                                                                                                                               | L.S.  |                   |            | \$ 17,800.00          |
|          | <u>Release of Claims</u>                                                                                                                                                                                                                        |       |                   |            |                       |
|          | Mingus Constructors, Inc. does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 82-7, dated June 28, 1982, except as herein stated. |       |                   |            |                       |
|          | Date                                                                                                                                                                                                                                            |       |                   |            |                       |
|          | Title                                                                                                                                                                                                                                           |       |                   |            |                       |

|                                 |                            |              |
|---------------------------------|----------------------------|--------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR | \$125,680.00 |
|                                 | Less 10% retained          | -            |
|                                 | Net Amount Due Contractor  | \$125,680.00 |
|                                 | Deduct Previous Payments   | \$87,382.80  |
|                                 | Other Deductions           | -            |
|                                 | Total Deductions           | \$87,382.80  |
| Amount to be paid this Estimate | \$ 38,297.20               |              |

Prepared by W. C. Anderson Date 11/1/82 SUBMITTED by Mingus Constructors, Inc. Date \_\_\_\_\_  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by Robert C. Payette Date \_\_\_\_\_



FLOOD CONTROL DISTRICT of Maricopa County

Sheet 1 of 1

Contract Change Order No. 1 to FCD 82-7

Date September 16, 1982

To: Mingus Constructors, Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications of above-mentioned project.

Change requested by Flood Control District

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price agreed price and force account. Unless otherwise stated, rates for rental of equipment on force account work cover only such time as equipment is actually used and no allowance will be made for idle times.

- °(1) Estimate of increases and/or decreases in contract items at contract prices.
- °°(2) Estimate of extra work at agreed price and/or force account.

| ITEM                                  | DESCRIPTION                                                             | ESTIMATED QUANTITY | AS BUILT QUANTITY | DIFF + OR - | UNIT PRICE | DIFFERENCE |              |
|---------------------------------------|-------------------------------------------------------------------------|--------------------|-------------------|-------------|------------|------------|--------------|
|                                       |                                                                         |                    |                   |             |            | +          | -            |
| 1                                     | Berm along wasteway reshape and rebuild as necessary.                   | 1000 ± LF          |                   |             |            |            |              |
| 2.                                    | Roadway Construction 22 ft. wide, 15-18 inch. depth of bank-run gravel. | 2500 ± LF          |                   |             |            |            |              |
| 3.                                    | Clear for fenceline.                                                    | 2100 ± LF          |                   |             |            |            |              |
| 4.                                    | Furnish and Install 30" C.M.P. - 12 ga., at 3 locations on rdwy.        | 78 L.F.            |                   |             |            |            |              |
| Total of Items 1, 2, 3 and 4, C.O. #1 |                                                                         |                    |                   |             |            | +          | \$17,800.00  |
| Original Contract Amount              |                                                                         |                    |                   |             |            |            | \$107,880.00 |
| Total Revised Contract Amount         |                                                                         |                    |                   |             |            |            | \$125,680.00 |

Note: Items 1 through 4 are not bid items of original contract FCD 82-7, but extra work as outlined in letter of September 7, 1982 to Mingus Constructors, Inc.

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 30 days extension of time will be allowed.

Contractor Mingus Constructors, Inc.

By [Signature] TITLE

Date

Date 9/2/82

Recommended by [Signature]

Approved by [Signature]

Date 9-17-82

Date OCT 4 1982

FORM 85-35

## PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 82-21 Salt-Gila Clearing, Segment #4, Gillespie Dam to Palo Verde Road (291st Ave.). Bid opening at 2:30 p.m., July 27, 1982 at the Flood Control District offices.

Copies of the plans and specifications are available for a non-refundable \$5.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

Publish: Sun City Daily News - July 12, 13, 14, 15, 16 and 17, 1982.

---

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 BOARD OF DIRECTORS  
 AGENDA INFORMATION FORM

DIVISION

PUBLIC WORKS  
 FCD-63

BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:

It is requested that the Board of Directors authorize advertising for bids for IFB FCD 82-21 Salt/Gila Clearing, Segment 4, and approve award of the contract to the low responsible bidder. This project will clear vegetation from a 1,000 foot wide strip in the river from Gillespie Dam to Palo Verde Road, a distance of 11 miles at a cost estimated to range from \$400,000 to \$550,000. Bid opening is scheduled for July 27, 1982, at 2:30 p.m. at the Flood Control District offices.

The Flood Control District staff will issue the advertisement.

*file  
 6/21/82*

MOTION: IT IS MOVED THAT THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BOARD OF DIRECTORS authorize issuance of Invitation for Bid for FCD 82-21, Salt/Gila River Clearing, Segment 4, and approve the award of the contract if the lowest responsible bid does not exceed the engineer's estimate by more than 10%.

FINANCIAL TYPE:  BUDGETED  CONTINGENCY  BUDGET AMENDMENT  TRANSFER  GRANT OR OTHER

TOTAL COST: \$465,000 FUND: 991 - FLOOD CONTROL  
 FINANCIAL OFFICER: *Joe Six* DATE: 6/21/82

PERSONNEL:  
 PERSONNEL DIRECTOR: *JPH* DATE: \_\_\_\_\_

OFFICE OF MANAGEMENT ANALYSIS  
 DIRECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

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

Legal review is included in the contract.  
 GENERAL COUNSEL: \_\_\_\_\_ DATE: \_\_\_\_\_

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 ACTION RECOMMENDED BY: *R. Brennan* DATE: 6-21-82

APPROVED FOR BOARD  
 APPROVING OFFICIAL: *R. Brennan* DATE: 6-22-82

BOARD OF DIRECTORS  
 ACTION TAKEN:  APPROVED  DISAPPROVED  CONTINUED TO \_\_\_\_\_  
 7-1-82 *Philip D. D.*

# FLOOD CONTROL DISTRICT

FLOOD CONTROL DISTRICT

PHOENIX

Phoenix, Arizona

BOARD OF DIRECTORS

FLOOD CONTROL DISTRICT

RECEIVED

SEP 09 '82

|         |   |      |
|---------|---|------|
| CH ENG  |   | HYDR |
| ASST    |   | LA   |
| ADMIN   |   | SUJ. |
| C & O/M |   | FILE |
| ENGR    |   | DE   |
| FINANCE | 2 | EN   |
| REMARKS |   |      |

Breinholt Contracting Co., Inc.  
8845 South Hardy  
Tempe, Arizona 85245

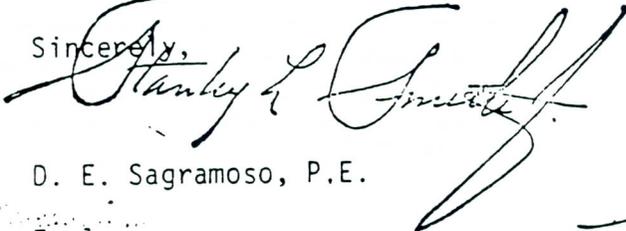
Re: Contract FCD 82-21, Salt-Gila River Clearing, Segment 4

Dear Mr. Breinholt:

The referenced contract has been awarded to your company. A signed copy is enclosed for your files.

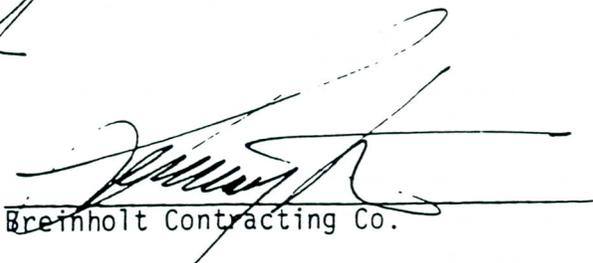
You are hereby given Notice to Proceed with the work under the terms of the contract. Please acknowledge receipt of this Notice to Proceed by signature and date in the space provided and return the duplicate copy to our office.

Sincerely,



D. E. Sagramoso, P.E.

Enclosure



Breinholt Contracting Co.

9-8-82

Date

Mr. Eddie F. Givens, Project Supervisor  
Breinholt Contracting Company, Inc.  
8845 South Hardy  
Tempe, Arizona 85284

RE: FCD 82-21, Salt/Gila Clearing; Segment 4

Dear Mr. Givens:

In response to your letter of April 4, 1983, in which you request that the referenced contract be terminated as authorized by the construction special provisions the Flood Control District, subject to the following hereby releases Breinholt Contracting Company, Inc. from any further obligations under said contract.

Payment has been made, less the 10 percent retention, on ninety-two percent of the work under the contract. This percentage is based on all work having been completed from the beginning of the job, north of Gillespie Dam to 323rd Avenue, and seventy-five percent of the work completed from 323rd Avenue to Palo Verde Road with 10 acres excluded. Agreement to this completion amount was made by Dave Kessen and Lee Mahan prior to the last request for partial payment, dated and signed on March 15, 1983.

Please submit your documented demobilization costs as soon as you are completed. The District will then make final payment to include demobilization costs and the 10 percent retained amount. A release of claims statement will be included on the final payment request for authorized signature.

Sincerely,

D. E. Sagramoso, P. E.

 RBY/DET

CO: INFO:

SLS RGP

RCP MJC

WCA

FLV



# BREINHOLT CONTRACTING CO., INC.

FLOOD CONTROL DISTRICT  
RECEIVED

APR 06 '83

April 4, 1983

Flood Control District  
Maricopa County  
3335 W. Durango  
Phoenix, AZ 85009

|         |     |
|---------|-----|
| CH ENG  | HY  |
| ASST    | LA  |
| AC/MIN  | SUP |
| C & G   | EST |
| EMGR    | DR  |
| FINANCE | ... |

RE: FCD 82-21  
Salt-Gila Ricer Clearing  
Segment 4

ATTN: EARL KERBY

Gentlemen;

On March 30, 1983 we submitted, in error, a letter requesting a time extension. I was out of town at the time and asked for a letter to be sent. However it was not to be for the time extension that we asked for. There was a lack of communication causing a mix up within our office. Please disregard that letter.

Our request and intent is to suspend operations as stated in our contract in sub section 108-7, paragraph four. In essence, it states if the work has been delayed more than thirty (30) days due to no fault of the contractor, the work can be suspended at the request of either party.

The actual cost of demobilization will be documented and submitted after the item is completed.

We would appreciate your prompt attention and response to this request.

Thank you,

*E. F. Givens P.M.W.*

Eddie F. Givens, Project Supervisor  
BREINHOLT CONTRACTING CO., INC.

EG/nw



8845 S. Hardy Tempe, Arizona 85284 893-3488 Mobile Phone 254-7574

### Section 108

If the contractor finds it impossible for reasons beyond his control to complete the work within the contract time as specified or as extended in accordance with the provisions of this subsection, he may, at any time prior to the expiration of the contract time as extended, make a written request to the Engineer for an extension of time setting forth therein the reasons which he believes will justify the granting of his request. If the Engineer determines that the contractor has proceeded with such diligence as would normally have ensured completion within the contract time, and that the reasons stated to justify a time extension are valid, he may extend the time for completion in such amount as conditions justify. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion.

If performance of all or any part of the work is suspended, delayed, or interrupted for any reason beyond the control of the contractor for a period of thirty (30) days, the contract may be terminated at the request of either party. In such case, payment shall be made for all work accomplished on the basis of the unit price plus an allowance for mobilization and demobilization. This allowance shall be the actual documented costs incurred by the contractor as determined by the District. This allowance shall not exceed \$5,000.

### SECTION 109 - MEASUREMENT AND PAYMENTS:

Payment shall be made as directed in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction. Costs for all work for which there is no specific pay item shall be included in the items for which a pay quantity exists. Monthly Progress Payments of ninety percent (90%) of the agreed to value of the work accomplished shall be made by the District is requested.

### SECTION 201 - CLEARING AND GRUBBING:

Scope: This work shall consist of clearing and grubbing, and grading type operations in designated areas for the removal of trees, snags, logs, stumps, shrubs, rubbish, and debris and shaping of the cleared area for drainage. All stumps, roots, and root clusters having a diameter of one inch or larger shall be grubbed out to a depth of at least two feet below the surface elevation of the finished clearing.

Method: The area will be cleared and grubbed to a depth of two feet by use of a deep chisel-like plow that cuts the plant stem and roots. A root rake or brush blade will be used in conjunction with the plow device to separate brush and debris from soil and noncombustible materials. Plowing and discing and the use of herbicides is not acceptable.

STATEMENT

KESSEN EQUIPMENT CO.  
 1201 E. Marshall  
 Phoenix, Az. 85014  
 (602) 277-9883

TO: Breinholt Contracting Co., Inc.  
 8845 S. Hardy  
 Tempe, Az. 85284

JOB: FCD 82-21 - Salt/Gila River Clearing

| DATE    | DESCRIPTION OF EQUIPMENT                                    | CHARGE<br>FOR LOAD<br>& UNLOAD | TRANSP.<br>CHARGE<br>PER MI. | HAUL<br>MILEAGE  | TOTAL  |
|---------|-------------------------------------------------------------|--------------------------------|------------------------------|------------------|--------|
| 3-20-83 | American Backhoe<br>Palo Verde to Phoenix                   | \$400.00                       | 2.75                         | 90               | \$647. |
| 4-4-83  | D9 Tractor & Dozer<br>Palo Verde to Phoenix                 | 400.00                         | 2.75                         | 90               | 647.   |
| 4-5-83  | D8 Tractor & Dozer<br>Palo Verde to Phoenix                 | 400.00                         | 2.75                         | 90               | 64.    |
| 4-6-83  | D9 Tractor & Dozer<br>Palo Verde to Phoenix                 | 400.00                         | 2.75                         | 90               | 64     |
| 4-8-83  | AC Tractor & Dozer<br>Palo Verde to Phoenix                 | 400.00                         | 2.75                         | 90               | 64     |
| 4-8-83  | Service Equipment<br>Palo Verde to Phoenix                  | 250.00                         | 1.75                         | 90               | 40     |
| 4-12-83 | 988 Loader, Brush Rig<br>& Knife - Palo Verde to<br>Phoenix | 250.00                         | 2.00                         | 90               | 43     |
|         |                                                             |                                |                              | TOTAL AMOUNT DUE | \$407  |

TERMS: Net 30 days.

THANK YOU.

Sig: David Kessen 5-3-83  
 Kessen Equipment Company



FLOOD CONTROL DISTRICT of Maricopa County

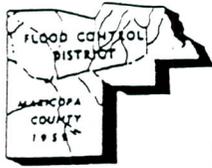
PROGRESS REPORT AND ESTIMATE

Estimate No. (6) Final Month May Year 1983  
 Name of Project Salt/Gila Clearing Contract No. FCD 82-21  
 Date Started August 24, 1982 Seg. 4 Contractor Breinholt Contracting Co., Inc.  
 % Completed 92 Address 8845 South Hardy  
 Date Completed Contract/Terminated April 4, '83 Tempe, Arizona

| UNIT NO | ITEM                                                                                                                                                                                                                                                            | UNIT                  | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|------------|-----------------------|
| 1       | Clearing, Grubbing and Rough Grading                                                                                                                                                                                                                            | (Same as Estimate #5) |                   |            | \$261,820.00          |
|         | Demobilization allowance due to termination of contract (see attached)                                                                                                                                                                                          |                       |                   |            | \$ 4,075.00           |
|         | <u>Release of Claims</u>                                                                                                                                                                                                                                        |                       |                   |            |                       |
|         | Breinholt Contracting Company, Inc., does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 82-21, dated September 1, 1982, except as herein stated. |                       |                   |            |                       |
|         | <u>E. Guerin</u> 5-3-83<br>Signature Date                                                                                                                                                                                                                       |                       |                   |            |                       |
|         | <u>Project M71</u><br>Title                                                                                                                                                                                                                                     |                       |                   |            |                       |

|         |                                 |               |
|---------|---------------------------------|---------------|
| REMARKS | TOTAL EARNED BY CONTRACTOR      | \$265,895.00  |
|         | Less 10% retained               | -             |
|         | Net Amount Due Contractor       | \$265,895.00  |
|         | Deduct Previous Payments        | \$ 235,638.00 |
|         | Other Deductions                | \$ 235,638.00 |
|         | Total Deductions                | \$ 235,638.00 |
|         | Amount to be paid this Estimate | \$ 30,257.00  |

Prepared by H.C. Anderson Date 5-3-83 SUBMITTED by E. Guerin Date 5-3-83  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by \_\_\_\_\_ Date \_\_\_\_\_



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. (5) Partial  
 Name of Project Salt/Gila River Clearing  
 Date Started August 24, 1982 Segment 4  
 % Completed 83% Incomplete  
 Date Completed

Month March Year 1983  
 Contract No. FCD 82-81  
 Contractor Breinholt Contracting Company, Inc.  
 Address 8845 South Hardy  
 Tempe, Arizona

| UNIT NO. | ITEM                                 | UNIT | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|----------|--------------------------------------|------|-------------------|------------|-----------------------|
| 1.       | Clearing, grubbing and rough grading | acre | 1007              | \$260.00   | \$261,820             |

|                                 |                             |            |
|---------------------------------|-----------------------------|------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR: | 261,820.00 |
|                                 | Less 10% retained           | 26,182.00  |
|                                 | Net Amount Due Contractor   | 235,638.00 |
|                                 | Deduct Previous Payments    | 175,968.00 |
|                                 | Other Deductions            |            |
|                                 | Total Deductions            | 175,968.00 |
| Amount to be paid this Estimate | 59,670.00                   |            |

Prepared by Francis Thimont Date 3-15-83 SUBMITTED by David Jensen Date 3-15-83  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by RC Layth Date 3-15-83

PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 82-25, Salt-Gila River Clearing, Segment 5, Palo Verde Rd. (291st Ave) to Airport Rd. (211th Ave.). Bid opening at 2:00 p.m., September 14, 1982 at the Flood Control District offices.

Copies of the plans and specifications are available for a non-refundable \$10.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona. The plan sheets may be purchased separately for a charge of \$2.50 per set, not refundable.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

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Publish: Sun City Daily News-Sun August 30 and 31, September 1, 2, 3 and 4, 1982.

---

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

STATUTORY PERFORMANCE BOND PURSUANT TO TITLE 34  
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That, B. L. Gustafson, Contractor  
(hereinafter called the Principal), as Principal, and

Fireman's Fund Insurance Company  
a corporation organized and existing under the laws of the State of California  
with its principal office in the City of San Francisco  
(hereinafter called the Surety), as Surety, are held and firmly bound unto the  
Flood Control District of Maricopa County, in the County of Maricopa, State of  
Arizona, in the amount of Two Hundred Sixty-Three Thousand, Nine Hundred Twenty-Five &  
dollars (\$263,925.00), for the payment whereof, the said Principal and  
Surety bind themselves, and their heirs, administrators, executors, successors and  
assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the  
Flood Control District of Maricopa County, dated the            day of             
September, 19 82, for FCD 82-25 - Salt-Gila River Clearing Segment #5

which contract is hereby referred to and made a part hereof as fully and to the same  
extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said  
Principal shall faithfully perform and fulfill all the undertakings, covenants,  
terms, conditions and agreements of said contract during the original term of  
said contract and any extension thereof, with or without notice to the Surety,  
and during the life of any guaranty required under the contract, and shall also  
perform and fulfill all the undertakings, covenants, terms, conditions, and  
agreements of any and all duly authorized modifications of said contract that  
may hereafter be made, notice of which modifications to the Surety being hereby  
waived; then the above obligation shall be void, otherwise to remain in full  
force and effect;

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of  
Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all  
liabilities on this bond shall be determined in accordance with the provisions  
of said Title, Chapter, and Article, to the extent as if it were copied at length  
herein.

The prevailing party in a suit on this bond shall be entitled to such  
reasonable attorney's fees as may be fixed by a judge of the court.

Witness our hands this 15th day of September, 19 82.

Cash, Sullivan & Cross, Inc.  
AGENCY OF RECORD

P. O. Box 44010, Phoenix, AZ  
AGENCY ADDRESS

CONTRACT NO. FCD 82-25  
PERFORMANCE BOND

B. L. Gustafson, Contractor  
PRINCIPAL SEAL

By: [Signature]

Fireman's Fund Insurance Company  
SURETY SEAL

By: [Signature]

James R. Day, Attorney-in-Fact  
POWER OF ATTORNEY SEAL

BIDDING SCHEDULE

Project: Salt-Gila Clearing  
Segment #5

Contract: FCD 82-25

| Item No. | Approximate Quantity | Unit | Description                          | Unit Cost (in writing) and /100 dollars               | Unit Cost | Extended Amount |
|----------|----------------------|------|--------------------------------------|-------------------------------------------------------|-----------|-----------------|
| 1        | 1242                 | Acre | Clearing, Grubbing and Rough Grading | <i>Two Hundred and Twelve Dollars and fifty cents</i> | 212.50    | 263,925.00      |

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

*None*

Total 263,925.00

A-88

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 INVITATION FOR BIDS, FCD 82-25  
 SPECIAL INSTRUCTIONS TO BIDDERS

Contract Plans, Special Provisions and Contract Documents: Plans, Special Provisions, and forms for proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona, upon payment of \$10.00 by check payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded. Additional sets of Plans, Sheets 1 through 5, are available at \$2.50 per set, not refundable. The specifications may be purchased separately for a charge of \$7.50 per set, not refundable.

APPROXIMATE QUANTITIES FOR PRINCIPAL ITEMS

| <u>QUANTITY</u> | <u>UNIT</u> | <u>DESCRIPTION</u>                   |
|-----------------|-------------|--------------------------------------|
| 1242            | Acre        | Clearing, grubbing and rough grading |

Project Bid Range. The cost of work under this contract is anticipated to range from \$350,000 to \$500,000.

And such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions or in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction.

Location of Work The proposed work is located in the natural streambed of the Gila River, near Buckeye, between Palo Verde Road (291st Ave.) and Airport Road (211th). The proposed work is in the following identified sections of the Gila and Salt Base and Meridian:

|         |                                             |
|---------|---------------------------------------------|
| T1S R4W | Sections 21, 22, 23, 14                     |
| T1S R3W | Sections 13, 24, 18, 17, 16, 15, 14, 11, 10 |
| T1S R2W | Sections 12, 7                              |

CHERIE PENNINGTON, CLERK  
 BOARD OF DIRECTORS  
 FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

INVITATION FOR BIDS  
 CONTRACT NO. FCD 82-25

**B. L. GUSTAFSON**  
CONTRACTOR  
1700 W. BROADWAY  
PHOENIX, ARIZONA 85041

FLOOD CONTROL DISTRICT  
RECEIVED

MAY 26 '83

May 27, 1983

FLOOD CONTROL DISTRICT  
OF MARICOPA COUNTY  
3335 W. Durango  
Phoenix, Az 85009

|         |        |
|---------|--------|
| CH ENG  | HYDRO  |
| ASST    | LM&I   |
| ADMIN   | S&SP   |
| C & D   | FILE   |
| ENGR    | DESIGN |
| FINANCE | E.C.   |
| REMARKS |        |

Re: Contract #FCD 82-25 Salt & Gila River Clearing  
Termination of Contract

Dear Sir:

In regards to the above named project Section 108.7 -  
Determination and Extension of Contract Time:, paragraph  
four, we are exercising our privilege to terminate the  
project due to the long interruption in work. Approximately  
3 1/2 months work stopage due to water in the river. The  
section refers to 30 days suspended, delayed or interrupted  
that the contract may be terminated by either party. It also  
states that all work accomplished will be paid for on a unit  
price and there is also an allowance for Mobilization and  
Demobilization.

Enclosed you will also find three separate statements. They  
are for work completed to our shut down date, Mobilization  
and Demobilization and for all retention previously held on  
payments.

Sincerely,

*Clarence Kilroy*  
Clarence Kilroy,  
General Manager

CK/jp

Enclosures

PHONE 268-0512  
268-3674

STATEMENT

EXCAVATION  
SITE GRADING  
HEAVY EQUIPMENT

B. L. GUSTAFSON  
CONTRACTOR

1700 W. BROADWAY  
PHOENIX, ARIZONA 85041

FLOOD CONTROL DISTRICT  
OF MARICOPA COUNTY  
3335 W. Durango  
Phoenix, Az 85009

DATE May 27, 1983

TOTAL

Re: Contract #FCD 82-25  
Salt & Gila River Clearing

To Bill You For Retention Withheld

9350.00

Total Retention Due

\$9,350.00

FLOOD CONTROL DISTRICT  
RECEIVED

MAY 26 '83

|         |         |
|---------|---------|
| CH ENG  | HYDRO   |
| ASST    | LMet    |
| ADMIN   | SUSP    |
| C & P   | FILE    |
| ENGR    | DESTROY |
| FINANCE | 260K    |
| REMARKS |         |

1% Finance Charge After Ten (10) Days



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. (4) Final Month May Year 1983  
 Name of Project Salt-Gila Clearing, Segment 5 Contract No. FCD 82-25  
 Date Started 10-27-82 Contractor B. L. Gustafson, Contractor  
 % Completed 36 Address 1700 W. Broadway  
 Date Completed Contract terminated May 26, 1983 Phoenix, AZ 85041

| UNIT NO. | ITEM                                                                                                                                                                                                                                                                                                                                                                            | UNIT                   | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|------------|-----------------------|
| 1.       | Clearing, Grubbing and Rough Grading                                                                                                                                                                                                                                                                                                                                            | SAME AS ESTIMATE NO. 3 |                   |            | \$93,500.00           |
|          | Demobilization allowance due to termination of contract (see attached.)                                                                                                                                                                                                                                                                                                         |                        |                   |            | \$ 4,403.41           |
|          | <p>Release of Claims</p> <p>B.L. Gustafson, Contractor, does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 82-25 dated Oct. 4, 1982, except as herein stated.</p> <p><u>J. Porterfield</u> 6-22-83<br/>Signature Date</p> <p><u>Office Manager</u><br/>Title</p> |                        |                   |            |                       |

|                                 |                             |             |
|---------------------------------|-----------------------------|-------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR: | \$97,903.41 |
|                                 | Less 10% retained           | ---         |
|                                 | Net Amount Due Contractor   | \$97,903.41 |
|                                 | Deduct Previous Payments    | \$84,150.00 |
|                                 | Other Deductions            | ---         |
|                                 | Total Deductions            | \$84,150.00 |
| Amount to be paid this Estimate | \$13,753.41                 | -           |

Prepared by F. Vincent Date 6/22/83 SUBMITTED by J. Porterfield Date 6-22-83  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by B. L. Gustafson, Contractor Date \_\_\_\_\_



PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 83-24, Salt-Gila Clearing, Segment 5A, 323rd Avenue to Airport Road. Bid opening at 2:00 p.m., July 12, 1983, at the Flood Control District offices.

Copies of the plans and specifications are available for a non-refundable \$5.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

Publish: Sun City Daily News - June 13, 14, 15, 16, 17 and 18, 1983.

---

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT NO. FCD 83-24 \_\_\_\_\_.

SALT-GILA RIVER CLEARING, SEGMENT 5A

TABLE CONTENTS:

1. Invitation for Bids
2. Bid Form
3. Construction Special Provisions
4. No Collusion Affidavit
5. Contract
6. Statutory Payment Bond
7. Statutory Performance Bond
8. Certificate of Insurance
9. Drawings: SALT-GILA RIVER CLEARING, SEGMENT #5A  
(323 AVE) TO AIRPORT RD (211th AVE)  
SHEETS 1 through 5



# FLOOD CONTROL DISTRICT

of

## Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

BOARD OF DIRECTORS

Hawley Atkinson, Chairman  
George L. Campbell  
Tom Freestone  
Fred Koory, Jr.  
Ed Pastor

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

FLOOD CONTROL DISTRICT  
RECEIVED

AUG 1 1983

AUG 16 1983

|         |         |
|---------|---------|
| CH ENGR | HYDRO   |
| ASST    | 1500    |
| ADMIN   | 1500    |
| C & O   | 1500    |
| ENGR    | DESTROY |
| FINANCE | 1500    |
| REMARKS | 1500    |

Mr. Ray Larson  
Sunset Metals  
1303 E. Donner Road  
Tempe, Arizona 85282

Re: Contract FCD 83-24; Salt-Gila River Clearing, Segment 5A

Dear Mr. Larson:

The referenced contract has been awarded to your company. A signed copy is enclosed for your files. The original copy of your Bid Bond is also returned herewith.

You are hereby given Notice to Proceed with the work under the terms of the contract. Please acknowledge receipt of this Notice to Proceed by signature and date in the space provided and return the duplicate copy to our office.

Sincerely,

*D. E. Sagramoso*  
D. E. Sagramoso, P.E.

Enclosure

By *Ray P. Larson*  
Sunset Metals

Date 8-16-83

BIDDING SCHEDULE

Project: Salt-Gila Clearing  
Segment #5A

Contract: FCD 83-24

| Item No. | Approximate Quantity | Unit | Description                                          | Unit Cost (in writing) and /100 dollars                      | Unit Cost | Extended Amount |
|----------|----------------------|------|------------------------------------------------------|--------------------------------------------------------------|-----------|-----------------|
| 1        | 1645                 | Acre | Clearing, grubbing, rough grading, and root cutting. | one hundred sixty six dollars <sup>00</sup> / <sub>100</sub> | 166.00    | 273,070         |

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

Total 273,070

A-97



3335 West Durango  
Telephone (602) 262-1501

1009

BOARD of DIRECTORS  
Fred Koory, Jr., Chairman  
Hawley Atkinson  
George L. Campbell  
Tom Freestone  
Ed Pastor

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

Mr. Ray Larson  
Sunset Metals  
1303 East Donner  
Tempe, Arizona 85282

RE: FCD 83-24; Salt/Gila River Clearing, Segment 5A

Dear Mr. Larson:

In response to your request for a time extension on the referenced project, we are in agreement as to the time lost and hereby grant an extension of 45 days.

The completion date, as calculated from August 16, 1983, is now February 27, 1984.

Sincerely,

D. E. Sagramoso, P. E.



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. 3 Month January Year 1984  
 Name of Project Salt/Gila Clearing, Seg. #5A Work Order No. FCD - 83-24  
 Date Started August 83 Contractor Sunset Metals  
 % Completed 70% Address 1303 E. Donner  
 Date Completed Incomplete Tempe, Arizona 85282

| UNIT NO | ITEM                                               | UNIT | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|---------|----------------------------------------------------|------|-------------------|------------|-----------------------|
| 1       | Clearing, grubbing, rough grading and root cutting | Acre | 1153              | \$166.00   | \$191,398.00          |

|                                 |                            |              |
|---------------------------------|----------------------------|--------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR | \$191,398.00 |
|                                 | Less 10% retained          | 19,139.80    |
|                                 | Net Amount Due Contractor  | \$172,258.20 |
|                                 | Deduct Previous Payments   | 78,435.00    |
|                                 | Other Deductions           |              |
|                                 | Total Deductions           | 78,435.00    |
| Amount to be paid this Estimate | \$ 93,823.20               |              |

Prepared by Warren Anderson Date 1-10-84 SUBMITTED by *Ray L. Larson* Date 1-10-84  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by *Carl O. Kiley* Date 1-12-84  
 BY RC P

PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 84-22, Salt-Gila River Clearing Segments 6A, 6B, 6C. Bid opening at 2:00 p.m., July 10, 1984, at the Flood Control District offices.

Copies of the plans and specifications are available for a nonrefundable \$6.50 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona.

Plans and specifications requested my mail will be sent C.O.D., either First Class Mail or Post Office Express Mail, as requested.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

-----  
Publish: Sun City Daily News - Sun June 4,5,6,7,8,9,1984  
-----

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street Phoenix, Arizona 85009

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT NO. FCD 84-22

SALT-GILA RIVER CLEARING, SEGMENTS 6A, B, C

TABLE CONTENTS:

1. Invitation for Bids
2. Bid Form
3. Construction Special Provisions
4. No Collusion Affidavit
5. Contract
6. Statutory Payment Bond
7. Statutory Performance Bond
8. Certificate of Insurance
9. Drawings: SALT-GILA RIVER CLEARING, SEGMENT 6A, vicinity of Palo Verde Road; 6B, vicinity of Miller Road; 6C, vicinity of Perryville Road.  
SHEETS 1 through 3.

BIDDING SCHEDULE

Project: Salt-Gila Clearing  
Segments 6A, B, C

Contract: FCD 84-22

| Item No. | Approximate Quantity | Unit | Description                                          | Unit Cost (in writing) and /100 dollars,                    | Unit Cost | Extended Amount |
|----------|----------------------|------|------------------------------------------------------|-------------------------------------------------------------|-----------|-----------------|
| 6A.      | 160                  | Acre | Clearing, grubbing rough grading, and root cutting.  | ONE HUNDRED FORTY EIGHT AND <sup>25</sup> / <sub>100</sub>  | \$148.25  | 23,720.00       |
| 6B.      | 52                   | Acre | Clearing, grubbing rough grading, and root cutting.  | TWO HUNDRED THIRTY THREE AND <sup>46</sup> / <sub>100</sub> | 233.00    | 12,116.00       |
| 6C.      | 150                  | Acre | Clearing, grubbing, rough grading, and root cutting. | TWO HUNDRED TWENTY TWO AND <sup>25</sup> / <sub>100</sub>   | 222.25    | 33,337.50       |

Total \$ 69,173.50

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

A-102



FLOOD CONTROL DISTRICT of Maricopa County

CONTRACT ADJUSTMENT No. 1: FCD 84-22

Sheet 1 of 1

Date November 8, 1984

Salt-Gila River Clearing, Segments 6A, B, C.

By: Larson Construction, Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on above-mentioned project.

Change requested by Flood Control District

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment on force account work cover only such time as equipment is actually used and no allowance will be made for idle times.

(1) Estimate of increases and/or decreases in contract items at contract prices.

(2) Estimate of extra work at agreed price and/or force account.

| ITEM             | DESCRIPTION                                                                                   | ESTIMATED QUANTITY | AS BUILT QUANTITY | DIFF + OR - | UNIT PRICE | + DIFFERENCE - |
|------------------|-----------------------------------------------------------------------------------------------|--------------------|-------------------|-------------|------------|----------------|
| 6A               | Clearing, grubbing, rough grading and root cutting                                            | 160 Acre           | 170.1             | +10.1       | \$148.25   | +\$1500.00     |
| 6A               | Additional work required for construction of vegetative debris berm. (5000 <sup>±</sup> feet) | 0                  | 1 L.S.            |             |            | +1000.00       |
| Total Net Change |                                                                                               |                    |                   |             |            | +\$2500.00     |

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change five (5) days extension of time will be allowed.

Contractor: Larson Construction, Inc.

By: Ray P. Larson President  
Date: 11-8-84 TITLE

Recommended by: William A. Pozzi

Approved by: Earl O. Kirby for RCP  
Date: 11-8-84

Date: 11/8/84



FLOOD CONTROL DISTRICT of Maricopa County

CONTRACT ADJUSTMENT No. 2: FCD 84-22

Sheet 1 of 1

Salt-Gila River Clearing, Segment 6A, 6B, 6C

February 4, 1985

Larson Construction, Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on above-mentioned project.

Change requested by Flood Control District (Adjustment for Final Quantities)

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment on force account work cover only such time equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
(2) Estimate of extra work at agreed price and/or force account.

Table with 7 columns: ITEM, DESCRIPTION, ESTIMATED QUANTITY, AS BUILT QUANTITY, DIFF. + OR -, UNIT PRICE, DIFFERENCE. Rows include items 6B and 6C, and a Total Net Change row.

I, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is proved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

Reason of this proposed change 0 days extension of time will be allowed.

Contractor: Larson Construction, Inc.

By: [Signature] TITLE
Date: 2-6-85

Recommended by: [Signature]

Approved by: [Signature]
Date: 6 Feb. 85

Date: 2/6/85



INVITATION FOR BIDS  
(Construction Contract)

SR 85 Bridge Channel Improvements

Ref. Invitation FCD 82-13

Date: June 18, 1982

Issued by: Flood Control District  
of Maricopa County

Vicinity: SR 85 Bridge Crossing at  
the Gila River, south of Buckeye,  
Maricopa County, Arizona.

SEALED BIDS, IN SINGLE COPY FOR THE WORK DESCRIBED HEREIN WILL BE RECEIVED UNTIL 2:00 PM , LOCAL TIME AT THE PLACE OF THE BID OPENING, JULY 27, 1982 IN THE OFFICE OF THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, 3335 WEST DURANGO STREET, PHOENIX, ARIZONA 85009, AND AT THAT TIME PUBLICLY OPENED.

A PRE-BID CONFERENCE WILL BE HELD ON JULY 20, 1982 , AT 2:00 PM IN THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY CONFERENCE ROOM, 3335 WEST DURANGO STREET. IT IS IN THE BEST INTEREST OF PROSPECTIVE BIDDERS TO ATTEND THE PRE-BID CONFERENCE.

BID SECURITY IN AN AMOUNT OF NOT LESS THAN FIVE PERCENT. (5%) OF THE TOTAL BID PRICE MUST BE SUBMITTED WITH EACH BID. THE BID SECURITY MAY BE IN THE FORM OF A BID BOND, CASHIER'S CHECK, POSTAL MONEY ORDER, OR CASH. THE BID SECURITY WILL BE MADE PAYABLE TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY AS A GUARANTEE THAT IF THE WORK IS AWARDED TO THE BIDDER, HE WILL WITHIN TEN (10) DAYS FROM THE DATE OF SUCH AWARD, ENTER INTO PROPER CONTRACT AND BOND CONDITIONS FOR THE FAITHFUL PERFORMANCE OF THE WORK. OTHERWISE, SAID AMOUNT WILL BE FORFEITED TO THE FLOOD CONTROL DISTRICT. BID SECURITY WILL BE RETURNED AS PRESCRIBED BY MAG 103.

THE SUCCESSFUL BIDDER SHALL BE REQUIRED TO FURNISH PERFORMANCE AND PAYMENT BONDS IN PENAL SUMS NOT LESS THAN ONE HUNDRED PERCENT (100%) RESPECTIVELY, OF THE ORIGINAL AMOUNT OF THE CONTRACT.

DESCRIPTION OF WORK: THE PROPOSED WORK CONSISTS OF EXCAVATING THE CHANNEL UPSTREAM FROM THE SR 85 BRIDGE ACROSS THE GILA RIVER. THE CHANNEL BOTTOM WILL BE GRADED TO ALLOW FOR THE UNRESTRICTED PASSAGE OF FLOODWATERS THROUGH THE BRIDGE AND TO ALLOW FOR SIDE DRAINAGE INTO THE LOW FLOW CHANNEL. THE SOUTH BANK WILL BE UNIFORMLY GRADED TO A 2:1 SIDESLOPE. EXCAVATED MATERIAL WILL BE DISPOSED OF AT A SITE ACCEPTABLE TO THE ENGINEER. THE APPROXIMATE QUANTITY TO BE EXCAVATED IS 38,000 CUBIC YARDS.

INVITATION FOR BIDS  
NO. FCD 82-13

THE WORK SHALL COMMENCE WITHIN SEVEN (7) CALENDAR DAYS AND BE COMPLETED  
WITHIN FORTY-FIVE (45) CALENDAR DAYS AFTER RECEIPT OF THE  
NOTICE TO PROCEED.

NOTICE: THE BID SCHEDULE, SPECIAL PROVISIONS, INSTRUCTIONS TO BIDDERS,  
UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EDITION  
OF 1979 (MAG) AND DRAWINGS LISTED UNDER THE CONTENTS, WILL BE  
INCORPORATED IN AND BECOME A PART OF THE RESULTANT CONTRACT.

CHERIE PENNINGTON, CLERK  
BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY

INVITATION FOR BIDS  
NO. FCD 82-13

Page 2 of 5

**A-107**

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION FOR BIDS, FCD 82-13  
INSTRUCTIONS TO BIDDERS

1. Explanation to Bidders. Any explanations desired by the bidder, questions, or items for clarification regarding the meaning or interpretation of the invitation for bids, drawings, specifications, etc., may be addressed to the Chief Engineer and General Manager, preferably in writing, prior to the pre-bid conference. Any answers, interpretations, or clarifications affecting the cost will be addressed to all bidders in an addendum to the invitation. The receipt of an addendum by the bidder must be acknowledged in the space provided on the bid form or by letter or telegram received before the time set for the bid opening. Oral explanations or instructions given before the award of the contract will not be binding.
2. Conditions Affecting the Work. It is in the best interest of the bidders to attend the pre-bid conference. Bidders should visit the site and take such other steps as may be reasonably necessary to ascertain the nature and the location of the work, the general and local conditions which can affect the work and the cost thereof. Failure to do so will not relieve bidders from responsibility for estimating properly the difficulty or cost of successfully performing the work. (See MAG 102.4)
3. Bidder's Qualifications. Before a bid is considered for award, a bidder may be requested by the Chief Engineer and General Manager of the Flood Control District to submit a statement regarding his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the work.
4. Bid Guarantee. Where a bid guarantee is required by the invitation for bids, failure to furnish a bid guarantee in the proper form and amount by the time set for opening of bids, may be cause for rejection of the bid.

If the successful bidder, upon acceptance of his bid by the Flood Control District with the period specified herein for acceptance (sixty days if no period is specified) fails to execute such further contractual documents, if any, and give such bond (s) as may be required by the terms of the bid as accepted within the time specified (ten days if no period is specified) after receipt of the forms by him, his contract may be terminated for default. In such event he shall be liable for any cost of procuring the work which exceeds the amount of his bid, and the bid guarantee shall be available toward offsetting such difference.

INVITATION FOR BIDS  
NO. FCD 82-13

5. Preparation of Bids. Bids shall be submitted on the forms furnished, or copies thereof, and must be manually signed. If erasures or other changes appear on the forms, each erasure or change must be initialed by the person signing the bid. Unless specifically authorized in the invitation for bids, telegraphic bids will not be considered.

No bid will be considered unless all items in the bid schedule are priced. In case of an error in the extension of price, the unit price shall govern. The quantities listed on the bid schedule on which unit prices are requested are estimates only.

Unless called for, alternate bids will not be considered.

Modifications of bids already submitted will be considered if received at the office designated in the invitation for bids by the time set for opening bids.

6. Submission of Bids. Bids must be sealed, addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 3335 West Durango, Phoenix, Arizona 85009, and marked to identify the bid to the referenced Contract FCD Number. Failure to appropriately identify the bid may result in a premature opening of, or a failure to open, such bid. The name of the bidder shall be on the outside of the envelope. (See MAG 102.9).
7. Withdrawal of Bids or Modifications. Bids may be withdrawn by written request received from the bidder prior to the time set for opening of bids.
8. Public Opening of Bids. Bids will be publicly opened at the time and place set for the opening in the invitation for bids. Their content will be made public for the information of bidders and others interested, who may be present either in person or by representative.
9. Award of Contract. Award and execution of a contract shall be in accordance with MAG Section 103.
10. Specifications. Specifications referred to herein shall include all revisions and amendments in effect on the date of issuance of the invitation for bids. These instructions, Special Instructions to Bidders, and the herein contained Construction Special Provisions supplement the Uniform Standard Specifications herein referred to by "MAG" section number or paragraph number; however, in case of conflict, these instruction and Special Provisions supersede the Uniform Standard Specifications (MAG).

INVITATION FOR BIDS  
NO. FCD 82-13

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION FOR BIDS, FCD 82-13  
SPECIAL INSTRUCTIONS TO BIDDERS

Contract Plans, Special Provisions and Contract Documents: Plans, Special Provisions, and forms for proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona, upon payment of \$5.00 by check payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded.

APPROXIMATE QUANTITIES FOR PRINCIPAL ITEMS

| <u>QUANTITY</u> | <u>UNIT</u>      | <u>DESCRIPTION</u>                          |
|-----------------|------------------|---------------------------------------------|
| 38,000          | Cubic Yards, CY. | Clearing, excavating, grading and disposal. |

And such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions or in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction.

Location of Work: The proposal work is located in the Gila River, south of Buckeye, Arizona, from the State Route 85 Bridge to a distance approximately 1500 feet east of the bridge. The proposal work is in the following identified sections of the Gila and Salt River Base and Meridian, T1S R4W Sections 13,24.  
Project Bid Range: The cost of work under this contract is anticipated to range from \$50,000 to \$100,000.

INVITATION FOR BIDS  
CONTRACT NO. FCD 82-13

CONSTRUCTION SPECIAL PROVISIONS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
FOR  
SR 85 BRIDGE CHANNEL IMPROVEMENTS  
CONTRACT FCD 82-13

PROPOSED WORK: The proposed work consists of excavating the channel upstream from the S.R. 85 Bridge across the Gila River, south of Buckeye, Arizona. The channel bottom will be graded to allow for side drainage into the low flow channel. The south bank will be uniformly graded to a 2:1 sideslope. Excavated material will be disposed of at a site acceptable to the ENGINEER.

SPECIFICATIONS: The work embraced herein and as shown on the plans for the construction of this project shall be done in accordance with the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction dated 1979 and the Construction Special Provisions contained herein.

WORK STANDARDS: The Contractor shall comply with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by Department of Labor Regulations (29 CFS Part 5).

CONTRACT TIME: The Contractor shall start work within seven (7) calendar days and complete all work on the project within forty-five (45) days after the date of Notice to Proceed.

WATER, LIGHT, POWER, HEAT, TELEPHONE: All water for construction purposes, drinking water, lighting, temporary electric power, heat and telephone service shall be arranged for and provided for the requirements of the work by the Contractor at his expense.

PROGRESS SCHEDULE: The Contractor shall submit his proposed work progress schedule to the Chief Engineer and General Manager for approval before starting the work.

ITEM COMMENTS: The herein contained Construction Special Provisions supplement the Uniform Standard Specifications; however, in case of conflict, these Special Provisions supersede the Uniform Standard Specifications.

GENERAL COMMENT: The cost of all work required under this contract as shown on the plans for which there are no specific items shown on the Bidding Schedule, shall be included in the prices bid for related items.

An attempt has been made to determine the location of all underground utilities and drainage pipes, culverts and structures; however, it shall be the Contractor's responsibility to cooperate with the pertinent utility companies so that any obstructing utility installation may be adjusted.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT NO. FCD 82-13

SUBSECTION 101.2 - DEFINITIONS AND TERMS: Change the definition of Budget Project to read as follows: A project financed by funds set aside in the annual budget or likewise approved by the Board of Directors of the Flood Control District of Maricopa County.

Change the definition of Engineer to read as follows: The Chief Engineer and General Manager of the Flood Control District of Maricopa County acting directly or through his duly authorized representative.

Change the definition of Owner to read as follows: The Flood Control District of Maricopa County, acting through its legally constituted officials, officers or employees.

SUBSECTION 105.6 - COOPERATION WITH UTILITIES:

The following phone numbers as indicated should put the Contractor in contact with the proper personnel:

|                                                   |            |
|---------------------------------------------------|------------|
| Mountain Bell Telephone Company                   | 263-3219   |
| Salt River Project                                | 273-2202   |
| Arizona Public Service                            | 271-7014   |
| Location Staking (APS, Mt. Bell, SRP) Blue Stakes | 263-1100   |
| Buckeye Irrigation District                       | 1-386-2196 |

SUBSECTION 103.6 (A) - CONTRACTOR'S INSURANCE: The contractor shall provide certified evidence of Public Liability and Property Damage Insurance as indicated.

SUBSECTION 108.7 - DETERMINATION AND EXTENSION OF CONTRACT TIME:

The contractor shall be responsible for having taken steps reasonable necessary to ascertain the nature and location of the work and the conditions which can affect the work and the cost thereof. Failure to do so will not relieve bidders from responsibility for successfully performing the work without additional expense to the Flood Control District. The Flood Control District assumes no responsibility for understandings, representations, or predictions concerning conditions of the work area during the period of the contract.

If performance of all or any part of the work is suspended, delayed, or interrupted by weather conditions or by a rise in the water level causing unstable ground conditions, an extension of the period for contract performance equal to the lost days will be granted by the Flood Control District. No claim for additional costs incurred because of such delay will be allowed.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT FCD 82-13

If the contractor finds it impossible for reasons beyond his control to complete the work within the contract time as specified or as extended in accordance with the provisions of this subsection, he may, at any time prior to the expiration of the contract time as extended, make a written request to the Engineer for an extension of time setting forth therein the reasons which he believes will justify the granting of his request. If the Engineer determines that the contractor has proceeded with such diligence as would normally have ensured completion within the contract time, and that the reasons stated to justify a time extension are valid, he may extend the time for completion in such amount as conditions justify. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion.

If performance of all or any part of the work is suspended, delayed, or interrupted for any reason beyond the control of the contractor for a period of thirty (30) days, the contract may be terminated at the request of either party. In such case, payment shall be made for all work accomplished on the basis of the unit price plus an allowance for mobilization and demobilization. This allowance shall be five percent (5%) of the total contract price or ten percent (10%) of the payment for work accomplished, whichever amount is the least.

#### SECTION 109 - MEASUREMENT AND PAYMENTS:

Payment shall be made as directed in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction. Costs for all work for which there is no specific pay item shall be included in the items for which a pay quantity exists. Monthly Progress Payments of ninety percent (90%) of the agreed to value of the work accomplished shall be made by the District as requested.

#### SECTION 215 - EARTHWORK FOR OPEN CHANNELS

SCOPE: This work shall consist of clearing, excavation, fill, backfill, grading and disposing of excavated and removed materials. The open channel in this project will be an unlined trapezoidal channel with a 2:1 side slope.

CONTROL: Horizontal and vertical control for the excavated channel will be established in the field by the District. The District shall provide a base-line stationed at 100-foot intervals.

EXCAVATION: Materials used or work performed by the Contractor, to stabilize the subgrade so that it will withstand loads which may be placed upon it by his equipment shall be accomplished by the Contractor at no additional cost to the District.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT FCD 82-13

GRADING: A vertical tolerance of none above and 3 inches below the specified grade will be allowed on the channel bottom and side slope. Regardless of the tolerance specified, excavation and grading shall be performed so that the finished surfaces are in uniform planes with no abrupt breaks in the surface. The construction tolerances specified are solely for purposes of field control. Grading shall be accomplished in such manner to accommodate side drainage within the channel to the low flow channel.

DISPOSAL: Excavated materials must be disposed of at a site approved by the Engineer. Available disposal sites are identified on Sheet 1 of 2; SR. 85 Bridge Channel Improvements.

MEASUREMENT: Measurement for payment shall be made in the field to determine the actual number of cubic yards of material removed. Before excavation and after excavation cross sections surveyed by the District shall be used to calculate the quantity of material removed. Quantities shall be calculated using the average-end area method. No payments shall be paid for quantities removed 3 inches or more below grade. No separate measurements shall be made for clearing, grading or disposal of excavated materials.

PAYMENT: Payment for the channel excavation and grading shall be made at the unit price per cubic yard in the bid schedule, which price shall include the cost of all labor, materials, equipment, transportation and incidentals required for performing the work.

CONTRACTOR'S WORK AREA: The contractor's work area shall be limited to the area to be excavated and necessary haul routes for disposal. Access to the work area shall be limited to existing access points indicated on the drawings. The Contractor's proposed haul route shall be coordinated with and be approved by the ENGINEER.

#### SECTION 401 - TRAFFIC CONTROL

Traffic control shall conform to the applicable paragraphs of MAG Section 401.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT FCD 82-13



# FLOOD CONTROL DISTRICT

of  
Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

FLOOD CONTROL DISTRICT  
RECEIVED  
BOARD OF DIRECTORS

George C. J. Bell, Chairman  
Hawley Atkinson

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

|         |         |           |         |
|---------|---------|-----------|---------|
| 5       | CH ENGR | Fred Kory | HYDRO   |
| 4       | ASST    | Ed Pastor | MAN     |
| 1       | ADM. I  |           | SUP     |
| ✓       | C. & O. | FILE      | DESTROY |
| FINANCE |         |           |         |
| REMARKS |         | 360K      |         |

Tom Freestone  
FCD

NOV 02 1982

Eddie F. Givens Construction  
533 West McKellips  
Mesa, Arizona 85201

Re: Contract FCD 82-13, SR85, Bridge Channel Improvements

Dear Mr. Givens:

The referenced contract has been awarded to your company. A signed copy is enclosed for your files.

You are hereby given Notice to Proceed with the work under the terms of the contract. Please acknowledge receipt of this Notice to Proceed by signature and date in the space provided and return the duplicate copy to our office.

Sincerely,

D. E. Sagramoso, P.E.

Enclosure

Eddie F. Givens Construction

11-7-82  
Date



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. (2) Final  
 Name of Project SR85 Bridge Channel  
 Date Started November 7, '82 Improvement  
 % Completed 100.0  
 Date Completed - December 15, 1982

Month November Year 1983  
 Contract No. FCD 82-13  
 Contractor Eddie F. Givens Construction  
 Address 533 W. McKellips  
 Mesa, Arizona 85201

| UNIT NO | ITEM                                                                                                                                                                                                                                                                                                                                                           | UNIT | QUANTITY IN PLACE | UNIT PRICE | CURRENT AMOUNT EARNED |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|------------|-----------------------|
| 1       | Excavation, including clearing, grading and disposal                                                                                                                                                                                                                                                                                                           | C.Y. | 38,558            | \$1.54     | \$59,379.32           |
|         | <p><u>Release of Claims</u></p> <p>Eddie F. Givens Construction does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 82-13, dated October 18, 1982, except as herein stated.</p> <p>Signature _____ Date _____</p> <p>Title _____ Owner _____</p> |      |                   |            |                       |

|                                 |                            |             |
|---------------------------------|----------------------------|-------------|
| REMARKS                         | TOTAL EARNED BY CONTRACTOR | \$59,379.32 |
|                                 | Less 10% retained          |             |
|                                 | Net Amount Due Contractor  | \$59,379.32 |
|                                 | Deduct Previous Payments   | \$36,867.60 |
|                                 | Other Deductions           |             |
| Total Deductions                | \$36,867.60                |             |
| Amount to be paid this Estimate | \$22,511.72                |             |

Prepared by \_\_\_\_\_ Date \_\_\_\_\_ SUBMITTED by Eddie F. Givens. Date \_\_\_\_\_  
 Claim \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by Robert C. Payette Date \_\_\_\_\_

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION FOR BIDS, FCD 85-18  
SPECIAL INSTRUCTIONS TO BIDDER

Contract Plans, Special Provisions and Contract Documents: Plans, Special Provisions, and forms for proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona, upon payment of \$10.00 by check payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded.

APPROXIMATE QUANTITIES FOR PRINCIPAL ITEMS

| <u>QUANTITY</u> | <u>UNIT</u>     | <u>DESCRIPTION</u>                          |
|-----------------|-----------------|---------------------------------------------|
| 249,000         | Cubic Yards, CY | Clearing, excavating, grading and disposal. |

and such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions or in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction.

Location of Work: The proposed work is located in the Gila River, south of Buckeye, Arizona, from the State Route 85 Bridge to a distance approximately 4700 feet east of the bridge. The proposed work is in the following identified sections of the Gila and Salt River Base and Meridian, T1S R4W Sections 13,24.

INVITATION FOR BIDS  
CONTRACT NO. FCD 85-18



FLOOD CONTROL DISTRICT of Maricopa County

CONTRACT ADJUSTMENT NO. 2  
FCD CONTRACT 85-18; SR 85 Bridge Channel Maintenance

Date August 15, 1986

To: Breinholt Contracting Co., Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Change requested by: Flood Control District

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- °(1) Estimate of increases and/or decreases in contract items at contract prices.
- °°(2) Estimate of extra work at agreed price and/or actual cost.

| Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Description                                                                                                     | Estimated Quantity | As Built Quantity | Diff. + or - | Unit Price | DIFFERENCE + |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|--------------|
| This change is required to remove the sediment plug under the SR 85 Bridge north of the low flow and to modify the discharge of the low flow to ensure distribution to the south channel as required by the Arizona Fish and Game, and to the north side for the Arlington Irrigation District in the same ratio as naturally existed prior to the projects start. (Note: Currently we understand that these two parties are in litigation over the states right to use any of this water). |                                                                                                                 |                    |                   |              |            |              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Estimated Excavation Extra area west of SR 85 Bridge and north of new low flow channel (including under bridge) | 14000 c.y.         |                   | +14000cy     | \$1.10     | +\$15,400.00 |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Diversion to Fish & Game                                                                                        | 527 c.y.           |                   | + 527cy      | \$1.10     | +\$ 579.70   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Low Flow west of SR 85 Bridge to existing channel (including under bridge)                                      | 5213 c.y.          |                   | + 5213cy     | \$1.10     | +\$ 5,734.30 |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                 |                    |                   |              |            | \$21,714.00  |

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 42 days extension of time will be allowed

Contractor Breinholt Contracting Co., Inc.

By David Tesson Supervisor

Date 8-26-86

Recommended By R.P. H.C. Anderson

Approved By Robert C. Poynter

Date 8-26-86

Date 28 Aug 86



## FLOOD CONTROL DISTRICT of Maricopa County

Sheet 1 ofCONTRACT ADJUSTMENT NO. 1  
FCD CONTRACT 85-18; SR 85 Bridge Channel MaintenanceDate June 30, 1986

To: Breinholt Contracting Co., Inc., Contractor. You are hereby directed to make the here described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Change requested by: Flood Control District

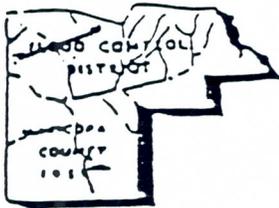
Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- °(1) Estimate of increases and/or decreases in contract items at contract prices.  
°°(2) Estimate of extra work at agreed price and/or actual cost.

| Item | Description                                                               | Estimated Quantity | As Built Quantity | Diff. + or - | Unit Price | DIFFER +     |
|------|---------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|--------------|
| 1    | Estimated Excavation - Extra Area between SR 85 Bridge and Station 101+00 | 0                  | 14,722 cy         | +14,722      | \$1.10     | +\$16,194.20 |
|      |                                                                           |                    |                   |              |            | +\$16,194.20 |

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.Contractor Breinholt Contracting Co., Inc.By David KessenDate 7-7-86Recommended By H. C. AndersonApproved By Robert C. AndersonDate 7-8-86Date 8 July 86



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. 4  
 Name of Project SR 85 Bridge Channel  
 Date Started 5/27/86 /Maintenance  
 % Completed 100%  
 Date Completed 12/5/86

Month December Year 1986  
 Contract No. FCD 85-18  
 Contractor Breinholt Contracting Co., Inc.  
 Address 5303 East Fairview  
 Chandler, AZ 85224

| ITEM NO. | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT | UNIT PRICE | BID QUANTITY | QUANTITY COMPLETE | AMT. EARNED THIS PERIOD | TOTAL EARNED TO DATE |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------|-------------------|-------------------------|----------------------|
| 1        | Excavation, Including Clearing, Grading, and Disposal<br><br>*Bid Quantity Equals<br>Orig. Bid Qty. 249,000<br>Adj. #1 Qty. 14,722<br>Adj. #2 Qty. 19,740<br>Bid Quantity 283,462<br><br><u>Release of Claims</u><br>Breinholt Contracting Co., Inc. does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. FCD 85-18 dated October 20, 1985, except as herein stated. | c.y. | \$1.10     | 283,462*     | 263,023           | \$ 98,628.32            | \$289,325.30         |
|          | X<br>Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Date |            |              |                   |                         |                      |
|          | X<br>Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |            |              |                   |                         |                      |

REMARKS

Tax ID #86-0270481

TOTAL EARNED BY CONTRACTOR:

Less 10% retained  
 Net Amount Due Contractor

Deduct Previous Payments  
 Other Deductions  
 Total Deductions

Amount to be paid this Estimate

\$171,627.28

\$171,627.28

\$289,325

\$289,325

\$117,698

Prepared by \_\_\_\_\_ Date \_\_\_\_\_ SUBMITTED by X \_\_\_\_\_ Date \_\_\_\_\_

Checked by \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by \_\_\_\_\_ Date \_\_\_\_\_

PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 85-18, SR 85 Bridge Channel Maintenance. Bid opening at 2:30 p.m., September 17, 1985, at the Flood Control District offices.

Copies of the specifications are available for a non-refundable \$10.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona. The plan sheets may be purchased separately for a charge of \$5.00 per set, not refundable.

Plans and specifications requested by mail will be sent C.O.D., First Class Mail.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount bid.

Publish: Sun City Daily News-Sun - August 26, 27, 28, 29, 30 and 31, 1985.

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Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

CONSTRUCTION SPECIAL PROVISIONS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
FOR  
SR 85 BRIDGE CHANNEL MAINTENANCE  
CONTRACT FCD 85-18

PROPOSED WORK: The proposed work consists of excavating the channel upstream from the S.R. 85 Bridge across the Gila River, south of Buckeye, Arizona. The channel bottom will be graded to allow for side drainage into the low flow channel. The banks will be uniformly graded to a 2:1 sideslope. Excavated material will be disposed of at sites shown on the plans.

SPECIFICATIONS: The work embraced herein and as shown on the plans for the construction of this project shall be done in accordance with the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction dated 1979 and the current revisions thereto, and the Construction Special Provisions contained herein.

WORK STANDARDS: The Contractor shall comply with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by Department of Labor Regulations (29 CFR Part 5).

CONTRACT TIME: The Contractor shall start work within seven (7) calendar days and complete all work on the project within ninety (90) days after the date of Notice to Proceed.

WATER, LIGHT, POWER, HEAT, TELEPHONE: All water for construction purposes, drinking water, lighting, temporary electric power, heat and telephone service shall be arranged for and provided for the requirements of the work by the Contractor at his expense.

PROGRESS SCHEDULE: The Contractor shall submit his proposed work progress schedule to the Chief Engineer and General Manager for approval before starting the work.

ITEM COMMENTS: The herein contained Construction Special Provisions supplement the Uniform Standard Specifications; however, in case of conflict, these Special Provisions supersede the Uniform Standard Specifications.

GENERAL COMMENT: The cost of all work required under this contract as shown on the plans for which there are no specific items shown on the Bidding Schedule, shall be included in the prices bid for related items.

An attempt has been made to determine the location of all underground utilities and drainage pipes, culverts, and structures; however, it shall be the Contractor's responsibility to cooperate with the pertinent utility companies so that any obstructing utility installation may be adjusted.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT NO. FCD 85-18

SUBSECTION 101.2 - DEFINITIONS AND TERMS: Change the definition of Budget Project to read as follows: A project financed by funds set aside in the annual budget or likewise approved by the Board of Directors of the Flood Control District of Maricopa County.

Change the definition of Engineer to read as follows: The Chief Engineer and General Manager of the Flood Control District of Maricopa County acting directly or through his duly authorized representative.

Change the definition of Owner to read as follows: The Flood Control District of Maricopa County, acting through its legally constituted officials, officers or employees.

SUBSECTION 105.6 - COOPERATION WITH UTILITIES:

The following phone numbers as indicated should put the Contractor in contact with the proper personnel:

|                                                   |            |
|---------------------------------------------------|------------|
| Mountain Bell Telephone Company                   | 263-3219   |
| Salt River Project                                | 273-2202   |
| Arizona Public Service                            | 271-7014   |
| Location Staking (APS, Mt. Bell, SRP) Blue Stakes | 263-1100   |
| Buckeye Irrigation District                       | 1-386-2196 |

SUBSECTION 103.6 (A) - CONTRACTOR'S INSURANCE: The Contractor shall provide certified evidence of Public Liability and Property Damage Insurance as indicated.

SUBSECTION 108.7 - DETERMINATION AND EXTENSION OF CONTRACT TIME:

The Contractor shall be responsible for having taken steps reasonably necessary to ascertain the nature and location of the work and the conditions which can affect the work and the cost thereof. Failure to do so will not relieve bidders from the responsibility for successfully performing the work without additional expense to the Flood Control District. The Flood Control District assumes no responsibility for understandings, representations, or predictions concerning conditions of the work area during the period of the Contract.

If performance of all or any part of the work is suspended, delayed, or interrupted by weather conditions or by a rise in the water level causing unstable ground conditions, an extension of the period for contract performance equal to the lost days will be granted by the Flood Control District. No claim for additional costs incurred because of such delay will be allowed.

If the Contractor finds it impossible for reasons beyond his control to complete the work within the contract time as specified or as extended in accordance with the provisions of this subsection, he may, at any time prior to the expiration of the contract time as extended, make a written request to the Engineer for an extension of time setting forth therein the reasons which he

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT FCD 85-18

believes will justify the granting of his request. If the Engineer determines that the Contractor has proceeded with such diligence as would normally have ensured completion within the contract time, and that the reasons stated to justify a time extension are valid, he may extend the time for completion in such amount as conditions justify. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion.

#### SECTION 109 - MEASUREMENT AND PAYMENTS:

Payment shall be made as directed in the Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction. Costs for all work for which there is no specific pay item shall be included in the items for which a pay quantity exists. Monthly Progress Payments of ninety percent (90%) of the agreed to value of the work accomplished shall be made by the District as requested.

#### SECTION 215 - EARTHWORK FOR OPEN CHANNELS

SCOPE: This work shall consist of clearing, excavation, fill, backfill, grading and disposing of excavated and removed materials. The open channel in this project will be an unlined trapezoidal channel with a 2:1 sideslope.

CONTROL: Horizontal and vertical control for the excavated channel will be established in the field by the District. The District shall provide a base-line stationed at 100-foot intervals. The Contractor shall be responsible for all other surveying, including initial cross-sectioning of the work area, slope staking for control of excavation and embankment, and final cross-sectioning to be used for the determination of actual final quantities for payment. The initial and final cross-section notes shall be furnished to the District for use in determination of the number of cubic yards of material removed.

EXCAVATION: Materials used or work performed by the Contractor, to stabilize the subgrade so that it will withstand loads which may be placed upon it by his equipment shall be accomplished by the Contractor at no additional cost to the District.

BACKFILL: Material shall be placed in areas identified for backfill and disposal in layers not exceeding twelve (12) inches in depth. Hauling equipment shall be so routed to achieve compaction from wheel rolling. Each layer shall be leveled prior to placing the successive layer.

GRADING: A vertical tolerance of none above and 3 inches below the specified grade will be allowed on the channel bottom and side slope. Regardless of the tolerance specified, excavation and grading shall be performed so that the finished surfaces are in uniform planes with no abrupt breaks in the surface. The construction tolerances specified are solely for purposes of field control. Grading shall be accomplished in such manner to accommodate side drainage within the channel to the low flow channel.

CONSTRUCTION SPECIAL PROVISIONS  
CONTRACT FCD 85-18

DISPOSAL: Excavated materials must be disposed of at the sites shown on the plans. Available disposal sites are identified on Sheet 1 of 8; S.R. 85 Bridge Channel Maintenance.

MEASUREMENT: Measurement for payment shall be made in the field to determine the actual number of cubic yards of material removed. Before excavation and after excavation cross sections surveyed by the Contractor shall be used to calculate the quantity of material removed. Quantities shall be calculated using the average-end area method. No payments shall be paid for quantities removed 3 inches or more below grade. No separate measurements shall be made for clearing, grading or disposal of excavated materials.

PAYMENT: Payment for the channel excavation and grading shall be made at the unit price per cubic yard in the bid schedule, which price shall include the cost of all labor, materials, equipment, transportation and incidentals required for performing the work.

CONTRACTOR'S WORK AREA: The Contractor's work area shall be limited to the area to be excavated and necessary haul routes for disposal. Access to the work area shall be limited to existing access points indicated on the drawings. The Contractor's proposed haul route shall be coordinated with and be approved by the Engineer.

SECTION 401 - TRAFFIC CONTROL: Traffic control shall conform to the applicable paragraphs of MAG Section 401.

Minutes - Pre-Construction Meeting

December 3, 1985

Project: FCD 85-18 SR 85 Bridge Channel Maintenance - Gila River

Present: Bob Payette, Dick Perreault, Earl Kirby, Leonard Eddy, Jay Paxson and Grant Pinkerton of Flood Control District.  
Dave Kessan of Breinholt Contracting Co., Inc.

The meeting opened with a brief statement identifying the number and title of the contract. Dick Perreault then gave an overview of the project.

When Dave Kessan proposed that Breinholt be paid extra money due to river conditions being different now than when the job was originally bid (higher water levels), Bob Payette suggested that a time extension be granted the contractor until April or until the river water level returns to its pre-bid submitted level. Dave will give FCD a decision on this within a week. Bob said FCD needed a letter from Breinholt requesting a time extension, and the reason for the request.

Dave asked if the water flowing along the south side of the channel downstream of the SR 85 Bridge could be cut off. Dick said that the Game Preserve and Arlington Irrigation District would have to be informed before any changes in channel flow are made, but that temporary interruption would probably be no problem.

Verbal Notice to Proceed was given the contractor, pending receipt of the 404 Permit from the Corps of Engineers.

Meeting adjourned.

  
Grant R. Pinkerton

/jnk

Copies to: All Attendees

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
(Construction Contract)

BID FORM

Project: SR 85 Bridge  
Channel Maintenance

Invitation FCD 85-18  
Date: August 26, 1985

Location: SR 85 Bridge Crossing at the  
Gila River, south of Buckeye,  
Maricopa County, Arizona

To: Chief Engineer and General Manager  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

The following Proposal is made on behalf of Breidholt Contracting Co Inc  
\_\_\_\_\_ and no others. The Total Contract amount of

this proposal is (in words) Two Hundred Seventy Three Thousand  
Nine Hundred and No /100 dollars, (in figures)

\$ 273,900 -, this amount being the sum total of the extended  
amount for each pay item on the Bidding Schedule.

Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Flood Control District Board of Directors is personally or financially interested, directly or indirectly in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Uniform Standard Specifications for Public Works Construction, 1979 Edition (MAG) and revisions and supplements thereto, together with the Special Provisions, forms of Contract and Bond authorized by the Board of Directors and constituting essential parts of this Proposal, have been carefully examined, and also that the site of the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Specifications, Special Provisions, or conditions to be overcome, be pled. On the basis of the Plans, Specifications, Special Provisions, the forms of Contract, and the Bond proposed for use, the Undersigned proposes to furnish

all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefor, the sum of various products obtained by multiplying each unit price, herein bid for work or materials, by the quantity thereof actually incorporated in the completed project, as determined by the Chief Engineer and General Manager, Flood Control District of Maricopa County.

The Undersigned understands that the quantities mentioned herein are approximate and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

BIDDING SCHEDULE

Project: SR 85 Bridge Channel Maintenance

Contract: FCD 85-18

| Item No. | Approximate Quantity | Unit | Description                                          | Unit Cost (in writing) and /100 dollars | Unit Cost                        | Extended Amount                        |
|----------|----------------------|------|------------------------------------------------------|-----------------------------------------|----------------------------------|----------------------------------------|
| 1        | 249,000              | C.Y. | Excavation, Including Clearing, Grading and Disposal | One Dollar & Ten Cents                  | 1 <sup>10</sup> / <sub>100</sub> | 273,900 <sup>00</sup> / <sub>100</sub> |

A-129

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

Total \$ 273,900-

*None*

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds within ten (10) days from the date of award, time being of the essence. The undersigned further proposes to begin the work as specified in the Contract attached hereto, and to complete the work within the time limits as specified in the Special Provisions and maintain at all times a Contract Bond, approved by the Board of Directors, in an amount equal to one hundred percent (100%) of the total bid. This bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bond to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications and Special Provisions are fulfilled.

A Proposal guaranty in the amount and character named in the Invitation for Bids is enclosed amounting to not less than five percent (5%) of the total bid, which Proposal guaranty is submitted as a guaranty of the good faith of the Bidder and that the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw this Proposal, or if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bond as herein provided, the Flood Control District of Maricopa County in either of such events, shall be entitled and is hereby given the right to retain the said Proposal guaranty as liquidated damages.

Date: \_\_\_\_\_, 19\_\_.

IF BY AN INDIVIDUAL:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Address)

IF BY A FIRM OR PARTNERSHIP:

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Firm Address)

By: \_\_\_\_\_

\*Name and Address of Each Member:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date Sept 17, 1985.

IF BY A CORPORATION:

Brenkalt Contracting Co Inc  
(Corporate Name)

5303 E Fairview Chandler, Az  
(Corporation Address)

By: Norman J. Foy

\*\*Incorporated under the Laws of Arizona

Names and Addresses of Officers:

Geroy Brenkalt  
(President)

5303 E Fairview Chandler, Az 85226  
(Address)

Glenn Brenkalt  
(Secretary)

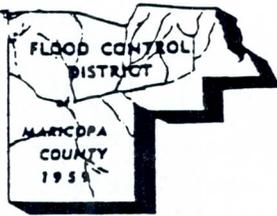
5303 E Fairview Chandler, Az 85226  
(Address)

Glenn Brenkalt  
(Treasurer)

5303 E Fairview Chandler, Az 85226  
(Address)

\*The name and post office address of each member of the firm or partnership must be shown.

\*\*The name of the State under which the Corporation was chartered and names, title, and business address of the President, Secretary, and Treasurer must be shown.



FLOOD CONTROL DISTRICT of Maricopa County

Interoffice Memorandum

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| CMT. NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SUBJECT: SR 85 Bridge Channel Maintenance<br>Contract FCD 85-18 | <input type="checkbox"/> FILE I.G. 1.2.4<br><input type="checkbox"/> DESTROY <del>F</del> FCD 85-18 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TO: <i>NEK</i> RCP<br><i>EDC</i> SLS<br>DES                     | FROM: Dick Perreault<br>DATE: December 5, 1985                                                      |
| <p>1. The purpose of this memo is to record the sequence of events that has caused delays in the commencement of construction of the SR 85 Bridge Channel Maintenance, FCD Contract 85-18.</p> <ul style="list-style-type: none"> <li>a. Feb - Mar 85 - The r/w required for the excavation and disposal is determined and legal description written.</li> <li>b. Apr - Jun 85 - Preliminary plans are developed, refined and finalized.</li> <li>c. Mar - Aug 85 - Coordination is made with public agencies and private land owners for acquisition of permits and easements.</li> <li>d. 13-14 Aug 85 - Informed by the USFWS and the Corps of Engineers that a Section 404 permit is required for future excavations in the Gila River due to changes in Federal Regulations that occurred in October 1984.</li> <li>e. 16-17 Aug 85 - Discussions were held with FCD staff concerning the implications of the Section 404 permits and the decision is made not to delay the advertising of FCD 85-18.</li> <li>f. 26 Aug-16 Sep 85 - Advertise FCD 85-18.</li> <li>g. 30 Aug 85 - Received Cease and Desist Order from the Corps of Engineers requiring a Section 404 permit before start of construction.</li> <li>h. 3 Sep. 85 - Received Section 404 permit application of the COE.</li> <li>i. 10 Sep 85 - Section 404 permit application (#85-196-SK) is returned to the COE for processing.</li> <li>j. 17 Sep 85 - Bid Opening for Contract FCD85-18; Breinholt Construction Co. is the apparent low bidder.</li> <li>k. Oct-Nov 85 - Coordination of the Section 404 permit application with the COE.</li> <li>l. 22 Nov 85 - Field trip to SR 85 @the Gila River to resolve Arizona Game and Fish Department objections to the Section 404 permit application.</li> </ul> |                                                                 |                                                                                                     |

- m. 27 Nov 85 - Received draft Section 404 permit from the COE. Signed and returned permit to the COE and contacted Arizona State Land Department concerning their permit requirements.
- n. 3 Dec 85 - Preconstruction meeting with the contractor; recent river flows have changed conditions and the decision was made to wait and construct when the water recedes to near normal conditions.
- o. 4 Dec 85 - Received signed Section 404 permit from the COE.

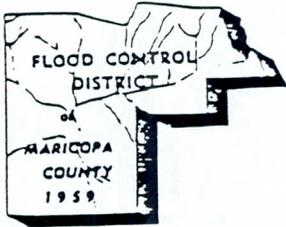
2. As can be seen from the chronology of events, there are a variety of situations that have occurred that contributed to the delay in constructing the SR 85 Bridge Channel Maintenance Project.

  
 Richard G. Perreault 12/10  
 Project Engineer

On December 16<sup>th</sup> FCD received a letter from Braintree Contracting requesting a delay as discussed in Pre-construction meeting on Dec 3, 1985. (Ref Hr. dtd Dec 12, 1985). On Dec ~~17~~<sup>17<sup>th</sup></sup>, 1985 FCD prepared a reply to the above referenced letter granting a time extension as necessary. (Ref FCD Hr. dtd. Dec 17<sup>th</sup> 1985)

*H. Q. Anderson*

Copy of FCD Hr. attached



# FLOOD CONTROL DISTRICT

of

Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

BOARD of DIRECTORS  
Tom Freestone, Chairman  
George L. Campbell  
Carole Carpenter  
Fred Koory, Jr.  
Ed Pastor

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

DEC 17 1985

Mr. Norman T. Foy, Vice President  
Breinholt Contracting Co., Inc.  
5303 East Fairview  
Chandler, Arizona 85224

Re: FCD Contract 85-18; SR 85 Bridge Channel Maintenance

Dear Mr. Foy:

Since the issuance of the Notice to Proceed on the referenced project, the Salt River Project has begun releases into the riverbed at Granite Reef Diversion Dam. Based on past experience, and in view of the conditions now existing, e.g., limited remaining storage capacity in the Salt River reservoirs at the beginning of the winter season, we do not expect to be able to do any work in the riverbed until the Spring of 1986. We are, therefore, granting an extension of time as requested in your letter of December 12, 1985.

Rather than name a particular time to begin work, we will monitor conditions and keep in touch with you just in case conditions become favorable for the start of the project.

Sincerely,

Robert C. Payette, P.E.  
Chief, Construction and Operations Division

Kirby/jnk

Info: *GRP*  
RGP

SLS

DES

File: FCD 85-18

PUBLIC NOTICE

The Flood Control District of Maricopa County is calling for bids for:

IFB FCD 87-3, Gila River Low Flow Channel, Wilson Rd. to Miller Rd. Bid open at 2:00 p.m., April 23, 1987, at the Flood Control District offices.

Copies of the plans and specifications are available for a non-refundable \$15.00 charge at the Flood Control District offices at 3335 West Durango Street, Phoenix, Arizona. The plan sheets may be purchased separately for a charge of \$10.00 per set, not refundable.

Plans and specifications requested by mail will be sent C.O.D., either First Class Mail or Post Office Express Mail, as requested.

The Board of Directors of the Flood Control District reserves the right to reject any and all proposals or to withhold the award for any reason. Every proposal shall be accompanied by a bid security for five percent of the amount of the bid.

Publish: Sun City Daily News-Sun March 23, 24, 25, 26, 27 and 28, 1987.

---

Bill to: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
(Construction Contract)

BID FORM

Project: Gila River Low-Flow Channel  
Wilson Avenue - Miller Road

Invitation FCD 87-3  
Date: March 23, 1987

Location: SR 85 Bridge Crossing at the  
Gila River, south of Buckeye  
Maricopa County, Arizona

To: Chief Engineer and General Manager  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

The following Proposal is made on behalf of PULICE CONSTRUCTION  
INCORPORATED. and no others. The Total Contract amount of  
License No B01-037256-010

this proposal is (in words) two HUNDRED EIGHTY ONE thousand two  
HUNDRED & FIFTY and 00 /100 dollars, (in figures)

281 250<sup>00</sup>, this amount being the sum total of the extended  
amount for each pay item on the Bidding Schedule.

Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Flood Control District Board of Directors is personally or financially interested, directly or indirectly in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Uniform Standard Specifications for Public Works Construction, 1979 Edition (MAG) and revisions and supplements thereto, together with the Special Provisions, forms of Contract and Bond authorized by the Board of Directors and constituting essential parts of this Proposal, have been carefully examined, and also that the site of the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Specifications, Special Provisions, or conditions to be overcome, be pled. On the basis of the Plans, Specifications, Special Provisions, the forms of Contract, and the Bond proposed for use, the Undersigned proposes to furnish

all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefor, the sum of various products obtained by multiplying each unit price, herein bid for work or materials, by the quantity thereof actually incorporated in the completed project, as determined by the Chief Engineer and General Manager, Flood Control District of Maricopa County.

The Undersigned understands that the quantities mentioned herein are approximate and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

BIDDING SCHEDULE

Project: Gila River Low Flow Channel  
Wilson Avenue - Miller Road

Contract: FCD 87-3

| Item No. | Approximate Quantity | Unit | Description                                          | Unit Cost (in writing) and /100 dollars | Unit Cost  | Extended Amount      |
|----------|----------------------|------|------------------------------------------------------|-----------------------------------------|------------|----------------------|
| 1        | 375,000              | C.Y. | Excavation, Including Clearing, Grading and Disposal | NO DOLLARS AND SEVENTY FIVE CENTS       | <u>075</u> | 281250 <sup>00</sup> |

The Bidder hereby acknowledges receipt of and agrees his proposal is based on the following Addenda

#1 #2 #3

Total 281250<sup>00</sup>

A-138

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds within ten (10) days from the date of award, time being of the essence. The undersigned further proposes to begin the work as specified in the Contract attached hereto, and to complete the work within the time limits as specified in the Special Provisions and maintain at all times a Contract Bond, approved by the Board of Directors, in an amount equal to one hundred percent (100%) of the total bid. This bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bond to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications and Special Provisions are fulfilled.

A Proposal guaranty in the amount and character named in the Invitation for Bids is enclosed amounting to not less than five percent (5%) of the total bid, which Proposal guaranty is submitted as a guaranty of the good faith of the Bidder and that the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw this Proposal, or if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bond as herein provided, the Flood Control District of Maricopa County in either of such events, shall be entitled and is hereby given the right to retain the said Proposal guaranty as liquidated damages.

Date: JULY 7, 1987.

IF BY AN INDIVIDUAL:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Address)

IF BY A FIRM OR PARTNERSHIP:

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Firm Address)

By: \_\_\_\_\_

\*Name and Address of Each Member:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROPOSAL  
CONTRACT NO. FCD 87-3

Page 4 of 5

A-139

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_, 19\_\_.

IF BY A CORPORATION:

Police Construction Inc  
(Corporate Name)  
License No. B04-037256-010

2033 W. Mountain View Rd Phnx. AZ.  
(Corporation Address)

By: WR Pulice  
William R. Pulice, President

\*\*Incorporated under the Laws of ARIZONA

Names and Addresses of Officers:

William R. Pulice  
(President)

2033 W. Mountain View Rd Phx  
(Address)

Gregory J. Pulice  
(Secretary)

2033 W. Mountain View Rd. Phx  
(Address)

Edith M. Pulice  
(Treasurer)

2033 W. Mountain View Rd. Phx.  
(Address)

\*The name and post office address of each member of the firm or partnership must be shown.

\*\*The name of the State under which the Corporation was chartered and names, title, and business address of the President, Secretary, and Treasurer must be shown.

GILA RIVER LOW-FLOW CHANNEL  
WILSON AVENUE - MILLER ROAD  
CONTRACT FCD 87-3  
PRECONSTRUCTION CONFERENCE  
JULY 30, 1987

AGENDA

OWNER: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009  
Telephone: 262-1501

ENGINEER: Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009  
Telephone: 262-1501

CONTRACTOR: Pulice Construction, Inc.  
2033 West Mountain View Road  
Phoenix, Arizona 85021  
Telephone: 944-2241

1. INTRODUCTIONS

OWNER REPRESENTATIVE: Fred Fuller  
ENGINEER REPRESENTATIVE: Dick Perreault

2. PURPOSE OF THE PRECONSTRUCTION CONFERENCE

This meeting is held to discuss the important aspects of the project. Unless otherwise indicated, these discussions are only for informational purposes and are not intended to add, change, and/or modify the contract documents.

3. DESCRIPTION OF WORK

The proposed work consists of excavating a low flow channel in two locations. Location one is west of the SR-85 Bridge across the Gila River, from Sta. 10+00 to Sta. 94+00. Location two is east of the SR-85 Bridge across the Gila River, from Sta. 144+00 to Sta. 190+00. The SR-85 Bridge is at Sta. 100. The channel bottom will be graded to allow for the unrestricted passage of flood waters. The low flow banks shall be uniformly graded to a 2:1 side slope to allow for side drainage to flow into the low flow channel. Excavated material will be disposed of at sites shown on the plans. The approximate quantity to be excavated is 375,000 cubic yards.

4. CONTROL OF WORK

- A. The Flood Control District has designated Fred Fuller as Construction Inspector for this project.
- B. The contractor shall submit a list, including name and address, of personnel responsible for the project and authorized to act on behalf of the contractor, and phone numbers where these personnel can be reached at any time.
- C. Cooperation with Utilities. The contractor shall give all utility companies, all pipeline owners or other parties affected the maximum notice possible when their underground or overhead services interfere with his work. The contractor shall resolve all problems with the utility owners concerned. See Section 105.6 of MAG Standard Specifications.

4. CONTROL OF WORK (Continued)
  - D. Duties of the Inspector. Inspectors employed by the contracting agency will be authorized to inspect all work done and materials furnished. Such inspection may be extended to all or any part of the work and to the preparation, fabrication or manufacture of the materials to be used. The inspector will have the authority to reject work or materials until any questions at issue can be referred to and decided by the engineer. See Section 105.9 of MAG Standard Specifications.
  - E. Inspection of Work. Inspection of the work by the engineer or his authorized representative shall not be considered as direct control of the individual workman and his work. The direct control of all work shall be the direct responsibility of the contractor. See Section 105.10 of MAG Standard Specifications.
5. CONTRACT TIME

The contractor shall start work within seven (7) calendar days and complete all work on the project within one hundred fifty (150) days after the date of Notice to Proceed.
6. SUBLETTING OF CONTRACT
  - A. Section 108.2 of MAG Standard Specifications.
  - B. The contractor shall submit a list of subcontractors and copies of the contracts between the contractor and subcontractor(s) for approval.
7. CONSTRUCTION SCHEDULE
  - A. The contractor shall submit a detailed schedule within seven (7) calendar days of the Notice to Proceed. No work shall commence prior to the approval of this submittal.
  - B. Weekly meetings shall be held to review work progress, conformance with schedule and weekly work schedules for work to be performed each week.
  - C. An updated progress schedule shall be submitted with monthly progress requests.
  - D. Final Acceptance. Upon due notice from the contractor of presumptive completion of the entire project, the engineer will make an inspection. If all construction provided for and completed by the contractor is found to be completed to his satisfaction, that inspection shall constitute the final inspection and the engineer will make the final acceptance. The contractor will be notified in writing of this acceptance as of the date of the final inspection. See Section 105.15 of MAG Standard Specifications.
8. FAILURE TO COMPLETE ON TIME

Subsection 108.9 - The actual cost per calendar day incurred by the District for Consultant Administrative and Inspection Services on this project will be added to the daily charges as indicated by TABLE 108, LIQUIDATED DAMAGES, and will be deducted from monies due or to become due to the Contractor for each and every calendar day that work shall remain uncompleted after the time specified for the completion of the work in the proposal, or as adjusted by the Engineer. Nothing contained in this provision shall prohibit the District from deducting from monies due or to become due to the Contractor and any other costs incurred by the District directly attributable to the delay in completing this contract.
9. MEASUREMENT AND PAYMENT
  - A. Section 109 of the Contract Special Provisions.
  - B. Section 215 of the Contract Special Provisions.

10. CONTRACTOR'S WORK AREA  
The contractor's work area shall be limited to the 1000 ft. clearing and identified areas for disposal. Access to the work area shall be limited to existing access points indicated on the drawings. The contractor's proposed haul route shall be coordinated with and approved by the engineer.
11. CONSTRUCTION SURVEYING  
CONTROL (Section 215 of the Contract Special Provisions): Horizontal and vertical control for the excavated channel will be established in the field by the District. The District shall provide a baseline stationed at 100-foot intervals. The Contractor shall be responsible for all other surveying, including initial cross-sectioning of the work area, slope staking for control of excavation and embankment, and final cross-sectioning to be used for the determination of actual final quantities for payment. The initial and final cross-section notes shall be furnished to the District for use in determination of the number of cubic yards of material removed. All survey work by the Contractor shall be performed by a qualified and experienced surveyor under the supervision of a surveyor licensed to practice surveying in the State of Arizona.
12. SAFETY AND SANITARY REQUIREMENTS  
The contractor shall provide and maintain accommodations and shall perform work in accordance with provisions of Section 107 of MAG Standard Specifications.
13. GENERAL DISCUSSION

FBF/jnk



**FLOOD CONTROL DISTRICT**  
of  
**Maricopa County**

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

BOARD of DIRECTORS  
Fred Koory, Jr., Chairman  
George L. Campbell  
Carole Carpenter  
Tom Freestone  
Ed Pastor

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

AUG 18 1987

Mr. William R. Pulice, President  
Pulice Construction, Inc.  
2033 West Mountain View Road  
Phoenix, Arizona 85021

Re: Contract FCD 87-3; Gila River Low Flow Channel

Dear Mr. Pulice:

The referenced contract has been awarded to your company. A signed copy is enclosed for your files. The original copy of your Bid Bond is also returned herewith.

You are hereby given Notice to Proceed with the work under the terms of the contract. Please acknowledge receipt of this Notice to Proceed by signature and date in the space provided and return the duplicate copy to our office.

Sincerely,

 D. E. Sagramoso, P.E.

Enclosures

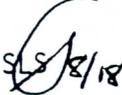
EOKirby/jnk

RECEIPT ACKNOWLEDGED BY:

PULICE CONSTRUCTION, INC.

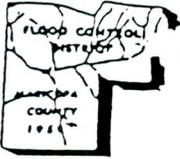
By: 

Date: 8/19/87

Coord:  8/18

Info: FBF

File: FCD 87-3



FLOOD CONTROL DISTRICT of Maricopa County

Sheet 1 of 1

CONTRACT ADJUSTMENT NO. 1  
FCD CONTRACT 87-3, Gila River Low Flow

Date December 21, 1987

To: Pulice Construction, Inc., Contractor. You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Change requested by: Flood Control District

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- °(1) Estimate of increases and/or decreases in contract items at contract prices.
- °°(2) Estimate of extra work at agreed price and/or actual cost.

| Item | Description                                                                                                                                                       | Estimated Quantity | As Built Quantity | Diff. + or - | Unit Price | DIFFERENCE + |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|--------------|
| 1    | Estimated excavation based on planimetered cross-sections from contour maps - Actual as-built quantity of excavation computed from surveyed field cross-sections. | 0                  | 37,500<br>c.y.    | +37,500      | \$0.75     | +\$28,125.00 |
|      |                                                                                                                                                                   |                    |                   |              |            | +\$28,125.00 |

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.

Contractor Pulice Construction, Inc.

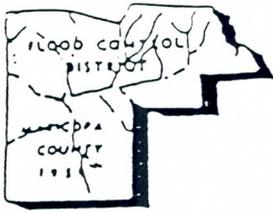
By Dwight Pulice / Secretary  
Date 12/21/87  
TITLE

Recommended By M.L. Anderson

Approved By Robert Clayton

Date 12-21-87

Date 21 Dec 87



FLOOD CONTROL DISTRICT of Maricopa County

PROGRESS REPORT AND ESTIMATE

Estimate No. 3  
 Name of Project Gila River Low Flow  
 Date Started 8/20/87  
 % Completed 100%  
 Date Completed 10/26/87

Month December Year 1987  
 Contract No. FCD 87-3  
 Contractor Pulice Construction, Inc.  
 Address 2033 W. Mountain View Road  
 Phoenix, AZ 85021

| ITEM NO. | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | UNIT | UNIT PRICE | BID QUANTITY * | QUANTITY COMPLETE | AMT. EARNED THIS PERIOD | TOTAL EARNED TO DATE |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|----------------|-------------------|-------------------------|----------------------|
| 1        | Excavating (Clearing, Grading and Disposal)<br><br>*Bid Quantity Equals:<br>Orig. Bid Qty 375,000<br>Adj. #1 Qty 37,500<br>Bid Quantity 412,500<br><br><u>Release of Claims</u><br><br>Pulice Construction, Inc., Contractor, does hereby release the Flood Control District of Maricopa County from any and all claims of any character whatsoever arising under and by virtue of Contract No. 87-3 dated August 19, 1987, except as herein stated.<br><br>Signature: <i>[Signature]</i> Date: 12-21-87<br><br>Title: <i>[Signature]</i> | c.y. | \$0.75     | 412,500        | 412,500           | \$ 28,125.00            | \$309,375.00         |

REMARKS

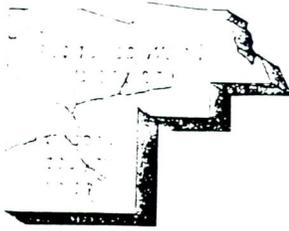
TOTAL EARNED BY CONTRACTOR:  
 Less 10% retained  
 Net Amount Due Contractor

Deduct Previous Payments  
 Other Deductions  
 Total Deductions

Amount to be paid this Estimate

|              |
|--------------|
| \$309,375.00 |
| 0.00         |
| \$309,375.00 |
| \$250,593.75 |
| 0.00         |
| \$250,593.75 |
| \$ 58,781.25 |

Prepared by *[Signature]* Date 12-21-87 SUBMITTED by *[Signature]* Date 12-21-87  
 CLAIMED by \_\_\_\_\_ Date \_\_\_\_\_ APPROVED by *[Signature]* Date 21 Dec 87



# FLOOD CONTROL DISTRICT

of

Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

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

BOARD of DIRECTORS  
Fred Koory, Jr., Chair...  
George L. Campbell  
Carole Carpenter  
Tom Freestone  
Ed Pastor

April 14, 1987

TO ALL PLANHOLDERS:

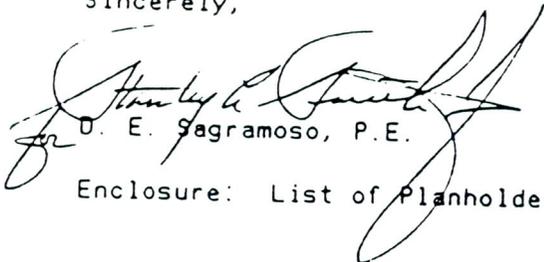
RE: IFB FCD 87-3; Gila River Low Flow Channel,  
Wilson Avenue to Miller Road

Gentlemen:

The bid opening now scheduled for 2:00 p.m., April 23, 1987, for the referenced project is cancelled until further notice.

Ownership of the riverbed is presently being questioned. At the time that we have a clearer understanding of how to proceed with acquisition of the necessary property rights, the project will be rescheduled for bidding. An addendum will then be issued with the new bid date.

Sincerely,

  
for D. E. Sagramoso, P.E.

Enclosure: List of Planholders

Addendum No. 1

DATE: June 3, 1987

FCD Contract No. 87-3

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: Gila River Low Flow Channel,  
Wilson Avenue to Miller Road

OWNER: FLOOD CONTROL DISTRICT of Maricopa County

The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

The bid opening, previously scheduled for 2:00 p.m., April 23, 1987, cancelled until further notice by the Flood Control District letter of April 14, 1987, is now re-scheduled to 2:00 p.m., July 7, 1987.

Addendum No. 2

DATE: June 17, 1987

FCD Contract No. 87-3

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: Gila River Low Flow Channel,  
Wilson Avenue to Miller Road

OWNER: FLOOD CONTROL DISTRICT of Maricopa County

The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

In compliance with Arizona Revised Statutes, as of July 1, 1986, contractors are required to be licensed to perform work within the state.

The bidder's license number and classification must be submitted with the proposal.

Addendum No. 3

DATE: June 24, 1987

FCD Contract No. 87-3

Page 1 of 1

TO CONTRACT DOCUMENTS

ENTITLED: Gila River Low Flow Channel,  
Wilson Avenue to Miller Road

OWNER: FLOOD CONTROL DISTRICT of Maricopa County

The above documents are herein modified. The provisions of said documents applicable to these modifications remain unchanged unless specifically indicated otherwise herein. This Addendum forms a part of the Contract Documents and modifies them as follows:

The date of July 1, 1986, as stated in Addendum No. 2, for compliance with Arizona Revised Statutes, is changed to read, July 1, 1987.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION TO BID

BID OPENING DATE: September 6, 1989

LOCATION:

The project is located in the Gila River from Station 188+00 near Miller Road to Station 386+00 near Rainbow Road, South of Buckeye, approximately 30 miles southwest of downtown Phoenix in Maricopa County, Arizona.

PROPOSED WORK:

The excavation of a 3.8 mile long low flow channel in the Gila River south of Buckeye, Arizona. The channel bottom shall be graded to allow for the unrestricted passage of floodwaters. The low flow channel banks shall be uniformly graded to a 2:1 side slope to allow for side drainage to flow into the low flow channel. Excavated material shall be disposed of in mandatory and available sites shown on the plans. The approximate quantity to be excavated is 712,000 cubic yards.

BIDS:

SEALED BIDS for the proposed work will be received by the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona 85009 until 2:00 p.m. (Phoenix time) on the above date and then publicly opened and read at 3335 W. Durango St., Phoenix, AZ 85009. No bids will be received after the time specified for bid opening. All bids must be submitted on proposal forms furnished by the Flood Control District and included in the Proposal Pamphlet. The Board of Directors reserves the right to reject any and all bids and to waive any informality in any bid received.

ELIGIBILITY OF CONTRACTOR:

It is the policy of Flood Control District of Maricopa County to endeavor to ensure in every way possible that minority and women-owned business enterprises have every opportunity to participate in providing professional services, purchased goods, and contractual services without being discriminated against on the grounds of race, religion, sex, age, or national origin.

The bidder shall be required to certify that it is appropriately licensed as a Contractor in the State of Arizona for performing the before-mentioned type of work. Verification shall be on the form provided herein.

The bidder may be required to furnish an affidavit as evidence of previous satisfactory performance in the above-mentioned type of work.

In order to determine if bidder is entitled to the provisions of A.R.S. Sec. 34-241, all bidders shall submit, as a part of their proposal, an affidavit stating whether or not taxes have been paid for two successive years as provided in A.R.S. Sec. 34-241. The affidavit shall be in the form provided herein.

PRINCIPLE ITEMS AND APPROXIMATE QUANTITIES

| <u>ITEM</u> | <u>QUANTITY</u> | <u>UNIT</u> | <u>DESCRIPTION</u>                                                                |
|-------------|-----------------|-------------|-----------------------------------------------------------------------------------|
| 1.          | 712,000         | C.Y.        | Excavation of a 3.8 mile long low flow channel and disposal of excavated material |





# FLOOD CONTROL DISTRICT PROGRESS REPORT AND ESTIMATE

|                                       |                          |                  |
|---------------------------------------|--------------------------|------------------|
| ESTIMATE NO. (Final)                  | FCO CONTRACT NO. 88-16   | SHEET 1 OF 1     |
| CONTRACTOR Sanner Contracting Co.     |                          |                  |
| PROJECT Salt-Gila Low Flow Channel    |                          |                  |
| COVERING PERIOD FROM 12-01-89         | THRU 02-24-90            |                  |
| NTP START DATE 09-27-89               | COMPLETION DATE 02-24-90 | 100% COMPLETED   |
| ORIGINAL CONTRACT AMOUNT \$590,960.00 |                          |                  |
| CURRENT CONTRACT AMOUNT \$623,603.65  |                          | THRU C. O. NO. 1 |

| BID ITEM NO. | DESCRIPTION                                           | UNIT | UNIT PRICE | BID QUANTITY | QUANTITY COMPLETE | AMT. EARNED THIS PERIOD | TOTAL EARNED TO DATE |
|--------------|-------------------------------------------------------|------|------------|--------------|-------------------|-------------------------|----------------------|
| 1            | Excavation, including clearing, grading, and disposal | CY   | 0.83       | 712,000      | 751,329.70        | 225,222.74              | \$623,603.65         |

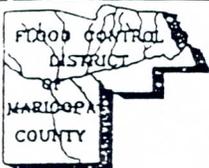
THE UNDERSIGNED CONTRACTOR CERTIFIES TO THE BEST OF HIS KNOWLEDGE, INFORMATION, AND BELIEF, THE WORK COVERED BY THIS APPLICATION FOR PAYMENT HAS BEEN COMPLETED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PURSUANT TO A.R.S. 34-221, THE CONTRACTOR IN MAKING THIS APPLICATION FOR PAYMENT ALSO CERTIFIES THAT IT HAS APPLIED THE PROCEEDS OF PREVIOUS PAYMENTS TO PAY ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS THEN DUE AND OWING. FURTHER, IT WILL MAKE PAYMENT TO SUBCONTRACTORS AND MATERIAL SUPPLIERS WITHIN SEVEN (7) DAYS OF RECEIPT OF THIS PAYMENT FOR THE SUMS DUE AND OWING THEM THROUGH THIS PROGRESS PAYMENT.

|                                 |              |
|---------------------------------|--------------|
| TOTAL EARNED BY CONTRACTOR:     | \$623,603.65 |
| RETAINAGE, %                    |              |
| NET AMOUNT DUE CONTRACTOR       | 623,603.65   |
| DEDUCT PREVIOUS PAYMENTS        | 378,461.86   |
| OTHER DEDUCTIONS                |              |
| TOTAL DEDUCTIONS                | 378,461.86   |
| AMOUNT TO BE PAID THIS ESTIMATE | \$245,141.79 |

AUTHORIZED CONTRACTOR'S SIGNATURE DATE 1/29/90

|                                 |                                                |         |
|---------------------------------|------------------------------------------------|---------|
| PREPARED BY (ENGINEER)          | NAME / TITLE / ORGANIZATION                    | DATE    |
| SUBMITTED BY (CONTRACTOR)       | Deborah Spauldon Construction Inspector F.C.D. | 1/29/90 |
| REVIEWED BY (CHIEF CONSTR INSP) | Project Manager Sanner Contr.                  | 1/29/90 |
| APPROVED BY ( ) DIV             | Paul B. Fillion                                | 1-29-90 |

A-155



DUPLICATE ORIGINAL  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT CHANGE ORDER NO. 1/Final Quantity Adjustment  
88-16/Salt-Gila Low Flow Channel  
 DATE 01-29-90 FCD CONTRACT NO./NAME Miller to Rainbow Road

To: Sanner Contracting Co. Contractor.  
 You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Changed requested by Flood Control District

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

SHEET NO. 1 OF 1

| BID<br>ITEM<br>NO. | DESCRIPTION                                            | ESTIMATED<br>QUANTITY | AS BUILT<br>QUANTITY | DIFF.<br>+ OR - | UNIT<br>PRICE | DIFFERENCE |   |
|--------------------|--------------------------------------------------------|-----------------------|----------------------|-----------------|---------------|------------|---|
|                    |                                                        |                       |                      |                 |               | +          | - |
| 01                 | Excavation, including clearing, grading, and disposal. | 712,000 CY            | 751,329.7 CY         | +39,329.7       | 0.83          | +32,643.65 |   |

We, the undersigned contractor, have given careful consideration to the change proposed hereby agree, if this proposal is approved, that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.

Contractor Sanner Contracting Co.

By [Signature] Project Manager  
 Title  
 Date 1/29/90

Recommended by Fred B. Fuller

Approved By [Signature] Chief Engineer/General Manager  
 Date 1-30-90

Date 1-29-90

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

Contract/Lease for  NEW  RENEWAL  AMENDMENT  CANCELLATION  
(for existing record Encumbrance No. below)

LOW ORG. NO. 6900 DEPARTMENT: Flood Control District CONTROL NUMBER: FCD-1110

ENCUMBRANCE NO. \_\_\_\_\_ AGENCY: Public Works CONTROL NUMBER: PW-1110

**1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:** It is requested that the Board of Directors authorize the advertisement of the Invitation For Bids and award Contract FCD 90-02, Salt-Gila Low Flow Channel, Tuthill Road to Sarival Road. This project was authorized by Resolution 88-11 on July 11, 1988.

This project is a continuation of previously completed low flow channel projects west of Rainbow Road. This segment of the low flow channel is approximately five and one-half miles long, and is one of several projects planned for the low flow channelization of the Salt-Gila Rivers between 91st Avenue and Gillespie Dam.

**2. Compliance with Maricopa County Procurement Code** 5 MC1-503  
article paragraph *David A. Brumby*  
Procurement Officer

**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... authorize the advertisement of the Invitation For Bids for Contract FCD 90-02, Salt-Gila Low Flow Channel, Tuthill Road to Sarival Road; award the contract to the lowest responsible bidder if the bid is not more than 10% over the engineer's estimate; and authorize the Chairman to sign the contract.

**6. FINANCIAL:**  Expenditure  Revenue  Budgeted  Contingency  Budget Amendment  Transfer  Grant or other  
 \$ \_\_\_\_\_  
Total Fund Financial Officer Date

**7. PERSONNEL:**  
 \_\_\_\_\_  
Personnel Director Date

**8. FLOOD CONTROL DISTRICT:**  
*De Jaramero* 3-13-90  
Action Recommended by Date

**9. MATERIALS MANAGEMENT:**  
 A. \_\_\_\_\_  
Materials Management Director 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.  
 \_\_\_\_\_  
General Counsel Date

**11. INFORMATION SYSTEMS:** FISC  
 \_\_\_\_\_  
Date

**12. APPROVED FOR AGENDA:**  
 \_\_\_\_\_  
Approving Official Date

**13. OTHER:** Minority Business Office  
 \_\_\_\_\_  
Signature Date

**15. RECOMMENDATION OF COUNTY MANAGER:**  
 Approve  Disapprove  
 Comments:

**14. BOARD OF DIRECTORS:** Action taken:  Approved  Amended  Disapproved  Deleted  
 Copied to: \_\_\_\_\_  
(Date and type of meeting) APR 16 1990  
*Steve [Signature]*  
Clerk of the Board Date

\_\_\_\_\_  
County Manager Date

PROPOSAL

TO THE BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
PHOENIX, ARIZONA

Gentlemen:

The following Proposal is made for constructing the Salt-Gila Low Flow Channel, Tuthill Road to Sarival Road in the County of Maricopa, State of Arizona.

The following Proposal is made on behalf of  
Pulice Construction, Inc.

and no others. Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm/ or corporation mentioned above, and no member or employee of the Board of Directors is personally or financially interested, directly or indirectly, in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates, or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Special Provisions, Forms of Contract, Bonds, and Sureties authorized by the Board of Directors and constituting essential parts of this Proposal, have been carefully examined and also that the site of the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Construction Specifications, Special Provisions, or conditions to be overcome, be pled. On the basis of the Plans, Construction Specifications, Special Provisions, the Forms of Contract, Bonds, and Sureties proposed for use, the Undersigned proposes to furnish all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefore, the sum of various products obtained by multiplying each unit price, herein bid for the work or materials, by the quantity thereof actually incorporated in the complete project, as determined by the Engineer or Architect.

The Undersigned understands that the quantities mentioned herein are approximate only and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

The Undersigned further proposes to perform all extra work that may be required on the basis provided in the Specifications and to give such work personal attention and to secure economical performance.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds and Sureties within ten (10) days of receipt of Notice of Proposal acceptance, TIME BEING OF THE ESSENCE. The Undersigned further proposes to begin work as specified in the Contract attached hereto, and to complete the work within 210 calendar days from the effective date specified in the Notice to Proceed, and maintain at all times a Payment and Performance Bond, approved by the Board of Directors, each in an amount equal to one hundred percent of the contract amount. This Bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bonds and Sureties to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled.

A Proposal Guaranty in the amount and character named in the Invitation to Bid is enclosed amounting to not less than five (5) percent of the total bid, which Proposal Guaranty is submitted as a guaranty of the good faith of the Bidder and the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw his Proposal, if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bonds and Sureties as herein provided, the Flood Control District of Maricopa County in either of such events, shall be entitled and is hereby given the right to retain the said Proposal Guaranty as liquidated damages.

The Undersigned acknowledges receipt of the following addenda and has included their provisions in the proposal:

|                       |                      |
|-----------------------|----------------------|
| Addendum No. <u>1</u> | Dated <u>9/10/90</u> |
| Addendum No. _____    | Dated _____          |

The Undersigned has enclosed the required bid security to this Proposal.



IF BY AN INDIVIDUAL:

\_\_\_\_\_  
(NAME - TITLE)

\_\_\_\_\_  
(ADDRESS)

DATE \_\_\_\_\_  
(PHONE)

IF BY A FIRM OR PARTNERSHIP:

\_\_\_\_\_  
(FIRM NAME)

\_\_\_\_\_  
(FIRM ADDRESS)

BY: \_\_\_\_\_  
(NAME - TITLE)

DATE \_\_\_\_\_  
(PHONE)

\*\* Name and Address of Each Member:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\* The name and post office address of each member of the firm or partnership must be shown.

IF BY A CORPORATION:

Pulice Construction, Inc.  
(CORPORATE NAME)

2033 W. Mountain View Road  
Phoenix, AZ 85021  
(CORPORATION ADDRESS)

BY: *William R. Pulice*  
William R. Pulice  
(PHONE) 944-2241

DATE: 9/12/90

TITLE: President

\* Incorporated under the Laws of Arizona

Names and Addresses of Officers:

William R. Pulice  
(PRESIDENT)  
Gregory J. Pulice  
(SECRETARY)  
Edith M. Pulice  
(TREASURER)

same (ADDRESS)  
same (ADDRESS)  
same (ADDRESS)

\* The name of the State under which the laws of the Corporation was chartered and names, title, and business address of the President, Secretary, and Treasurer must be shown.



February 20, 1991

Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, Arizona 85009

Attention: Leon Haney

Reference: Salt Gila Low Flow Channel  
Project #90-02  
Pulice Job No. 862-OC-014

|                                 |        |
|---------------------------------|--------|
| FLOOD CONTROL DISTRICT RECEIVED |        |
| FEB 21 '91                      |        |
| CH ENG                          | P & PM |
| DEP                             | HYDRO  |
| ADMIN                           | LMCT   |
| FINANCE                         | FILE   |
| CH/NO                           | 2      |
| ENGR                            | 3 HCH  |
| REMARKS                         |        |

Gentlemen:

This letter shall reference your request for an extra work proposal at the above referenced project.

Pulice Construction will, at your direction, clear/grub/grade to drain an area adjacent to the existing channel between Sta. 620 and Sta. 700. This area shall not exceed 115 acres and will cost the Flood Control District an additional \$12,888.00.

Please advise us as to your acceptance of this proposal.

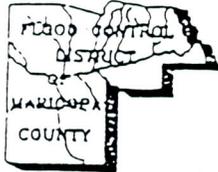
Very truly yours,

PULICE CONSTRUCTION, INC.

*Michael P. Gigliotti, PE*

Michael P. Gigliotti, P.E.  
Construction Manager  
Vice President

MPG:sll



Duplicate Original

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT CHANGE ORDER NO. 1

DATE 2/21/91 FCD CONTRACT NO./NAME Salt Gila Low Flow Channel #90-02

To: Pulice Construction, Inc. Contractor.  
 You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Changed requested by Leon Haney

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

SHEET NO. 1 OF 1

| BID ITEM NO. | DESCRIPTION                                                                                                                                                                                                   | ESTIMATED QUANTITY | AS BUILT QUANTITY | DIFF. + OR - | UNIT PRICE | DIFFERENCE + - |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|----------------|
| 201          | Clear & grub 1000' corridor between Sta. 620+00 & Sta. 700+00. This area shall be graded as per Section 201.3.1 of the specifications.<br><br>Re-negotiated price of \$112.07 per acre from \$115.00 per acre | 393                | 508               | +115         | \$112.07   | \$12,888.00    |

We, the undersigned contractor, have given careful consideration to the change proposed hereby agree. If this proposal is approved, that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.

Contractor PULICE CONSTRUCTION, Inc

By Michael P. DiPietro v.P. Title  
 Date 21 February 1991

Recommended by Fred B. Fally

Approved By DeFagramas

Date 2-21-91

Date 2-22-91



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
INVITATION TO BID

BID OPENING DATE: July 9, 1991

LOCATION:

The project is located in the Gila River from Station 0+00 near Turner Road (Extended) to Station 470+00 near Queen Creek Road (Extended), South of Buckeye, approximately 35 miles southwest of downtown Phoenix in Maricopa County, Arizona.

PROPOSED WORK:

The excavation of a 9 mile long low flow channel in the Gila River south of Buckeye, Arizona. The channel bottom shall be graded to allow for the unrestricted passage of floodwaters. The low flow channel banks shall be uniformly graded to a 2:1 side slope to allow for side drainage to flow into the low flow channel. Excavated material shall be disposed of in mandatory and available sites shown on the plans. The approximate quantity to be excavated is ~~975,000~~ cubic yards.

*956,500*

BIDS:

SEALED BIDS for the proposed work will be received by the Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona 85009 until 2:00 p.m. (Phoenix time) on the above date and then publicly opened and read at 3335 W. Durango St., Phoenix, AZ 85009. No bids will be received after the time specified for bid opening. All bids must be submitted on proposal forms furnished by the Flood Control District and included in the Proposal Pamphlet. The Board of Directors reserves the right to reject any and all bids and to waive any informality in any bid received.

ELIGIBILITY OF CONTRACTOR:

It is the policy of Flood Control District of Maricopa County to endeavor to ensure in every way possible that minority and women-owned business enterprises have every opportunity to participate in providing professional services, purchased goods, and contractual services without being discriminated against on the grounds of race, religion, sex, age, or national origin.

The bidder shall be required to certify that it is appropriately licensed as a Contractor in the State of Arizona for performing the before-mentioned type of work. Verification shall be on the form provided herein.

The bidder may be required to furnish an affidavit as evidence of previous satisfactory performance in the above-mentioned type of work.

SPECIAL NOTE TO CONTRACT FCD 91-08:

A condition of bid for this project is that the bidder will make a field visit to each of the project access routes that will be used for the project, and to verify the conditions of each project site access route to be assured of the adequacy of each for use as a project site access route. The certification of such site visit and inspection is contained in the proposal at page 9. Failure of the bidder to sign and submit this certification with the bid will result in the bid being considered non-responsive.

CONTRACT TIME:

All work on this Contract is to be completed within two hundred ten (210) calendar days after date of Notice to Proceed.

MBE/WBE PARTICIPATION:

For this project, a goal of ten (10) percent is desired for Minority/ Women-Owned Business Enterprises. Instructions and required forms are included in the Minority and Women-Owned Business Enterprise Program Section.

PRE-BID CONFERENCE:

A pre-bid conference will be held on Thursday, June 27, 1991 at 2:00 PM in the Flood Control District conference room, 3335 West Durango Street, Phoenix, Arizona 85009. It is in the best interest of prospective bidders to attend the Pre-bid Conference.

Questions or items for clarification may be addressed to the Chief, Contracts Branch, in writing, at least ten (10) days prior to bid opening date. Where appropriate, any answers or clarifications affecting the cost may be addressed to all bidders in an addendum. Under no circumstances will verbal interpretations or clarifications be given to individual contractors.

PROJECT PLANS, SPECIAL PROVISIONS AND CONTRACT DOCUMENTS:

Plans and Construction Specifications may be obtained from Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona 85009 upon payment of \$19.00 by check, payable to the FLOOD CONTROL DISTRICT of MARICOPA COUNTY. This payment will not be refunded. Mail orders for project documents must include an additional \$7.50 for first class U.S. postage and handling. The total \$26.50 will not be refunded. Regardless of circumstances, we cannot guarantee mail delivery. Each bid must be accompanied by a Bid Bond, cashier's or certified check or postal money Order equal to 5 percent (5%) of the bid, made payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY as a guarantee that if the work is awarded to the bidder, the bidder will within ten (10) days of receipt of the Proposal Acceptance, enter into proper contract and bond condition for the faithful performance of the work, otherwise, said amount may be forfeited to the said BOARD OF DIRECTORS as liquidated damages.

All bids are to be marked in accordance with Section 102.9 of the Uniform Standard Specifications and addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 3335 West Durango Street, Phoenix, Arizona 85009.

As provided for in the Agenda Information Form authorizing the Invitation to Bid.

\*\*\*\*\*

PRINCIPLE ITEMS AND APPROXIMATE QUANTITIES

| <u>ITEM</u> | <u>QUANTITY</u>               | <u>UNIT</u> | <u>DESCRIPTION</u>                                                               |
|-------------|-------------------------------|-------------|----------------------------------------------------------------------------------|
| 1.          | <del>975,000</del><br>956,500 | C.Y.        | Excavation of a 9-mile long low flow channel and disposal of excavated material. |

PROPOSAL

TO THE BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
PHOENIX, ARIZONA

Gentlemen:

The following Proposal is made for constructing the FCD Contract 91-08: Salt-Gila Low Flow Channel, Turner Road to Gillespie Dam, in the County of Maricopa, State of Arizona.

The following Proposal is made on behalf of

SELLAND CONSTRUCTION, INC.

and no others. Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Board of Directors is personally or financially interested, directly or indirectly, in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates, or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Special Provisions, Forms of Contract, Bonds, and Sureties authorized by the Board of Directors and constituting essential parts of this Proposal, have been carefully examined and also that the site of the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Construction Specifications, Special Provisions, or conditions to be overcome, be pled. On the basis of the Plans, Construction Specifications, Special Provisions, the Forms of Contract, Bonds, and Sureties proposed for use, the Undersigned proposes to furnish all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefore, the sum of various products obtained by multiplying each unit price, herein bid for the work or materials, by the quantity thereof actually incorporated in the complete project, as determined by the Engineer or Architect.

The Undersigned understands that the quantities mentioned herein are approximate only and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

The Undersigned further proposes to perform all extra work that may be required on the basis provided in the Specifications and to give such work personal attention and to secure economical performance.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds and Sureties within ten (10) days of receipt of Notice of Proposal acceptance, **TIME BEING OF THE ESSENCE**. The Undersigned further proposes to begin work as specified in the Contract attached hereto, and to complete the work within 210 calendar days from the effective date specified in the Notice to Proceed, and maintain at all times a Payment and Performance Bond, approved by the Board of Directors, each in an amount equal to one hundred percent of the contract amount. This Bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bonds and Sureties to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled.

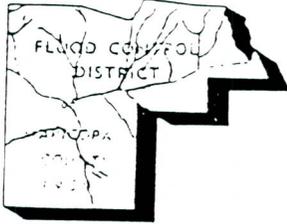
A Proposal Guaranty in the amount and character named in the Invitation to Bid is enclosed amounting to not less than five (5) percent of the total bid, which Proposal Guaranty is submitted as a guaranty of the good faith of the Bidder and the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw his Proposal, if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bonds and Sureties as herein provided, the Flood Control District of Maricopa County in either of such events, shall be entitled and is hereby given the right to retain the said Proposal Guaranty as liquidated damages.

The Undersigned acknowledges receipt of the following addenda and has included their provisions in the proposal:

|              |                             |       |                             |
|--------------|-----------------------------|-------|-----------------------------|
| Addendum No. | <u>1</u>                    | Dated | <u>JULY 1, 1991</u>         |
| Addendum No. | <u>                    </u> | Dated | <u>                    </u> |
| Addendum No. | <u>                    </u> | Dated | <u>                    </u> |
| Addendum No. | <u>                    </u> | Dated | <u>                    </u> |
| Addendum No. | <u>                    </u> | Dated | <u>                    </u> |

The Undersigned has enclosed the required bid security to this Proposal.





**FLOOD CONTROL DISTRICT**  
of  
**Maricopa County**

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

BOARD OF DIRECTORS

Betsy Bayless  
James D. Bruner  
Carole Carpenter  
Tom Freestone  
Ed Pastor

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

**AUG 13 1991**

Mr. Richard N. Selland  
Selland Construction, Inc.  
6525 East Idaho Street  
Elko, Nevada 89801

SUBJECT: Contract FCD 91-08, Salt-Gila Low Flow Channel  
Turner Road to Gillespie Dam

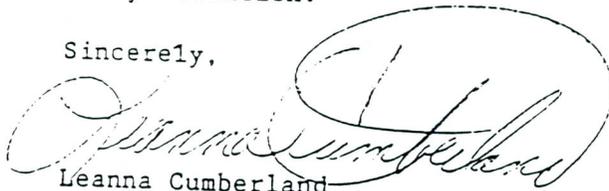
Dear Mr. Selland:

Enclosed is a copy of the subject contract documents, as executed by the Chairman of the Board on July 29, 1991.

In accordance with contract specifications, Section 108.1(A) this letter is your Notice to Proceed and complete the work under the contract within two hundred ten (210) calendar days starting August 13, 1991.

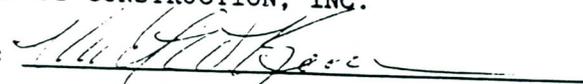
Please acknowledge receipt of this Notice on the copy attached and return it to my attention.

Sincerely,

  
Leanna Cumberland  
Chief, Contracting Branch

RECEIPT ACKNOWLEDGED:

SELLAND CONSTRUCTION, INC.

By: 

Title: PROJECT ESTIMATE

Date: 8-13-91

Copy to: Chief, Construction & Operations  
Chief, Planning & Project Management  
Chief, Inspection Branch



Flood Control District of Maricopa County

Duplicate Original

Contract Change Order No. 1



Date: 11/25/91 FCD Contract No./Name: 91-08 Salt/Gila Low Flow Channel - Turner  
To: Selland Construction, Inc. Road to Gillespie Dam, Contractor.

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Changes requested by: J.L. Hughes - Construction Inspector

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

Sheet No. 1 of 1

| Bid Item No. | Description                                                                                | Estimated Quantity | As Built Quantity | Difference, + or - | Unit Price | Difference, + or - |
|--------------|--------------------------------------------------------------------------------------------|--------------------|-------------------|--------------------|------------|--------------------|
| 215          | Additional Clearing & Grubbing - not included in contract plans<br>(Sta. 296+00 to 300+00) | Lump Sum           |                   |                    | 2,020.00   |                    |

We, the undersigned contractor, having given careful consideration to the change(s) proposed, hereby agree, if this proposal is approved, that we will provide all equipment, furnish all material (except as may otherwise be noted above), and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change -0- days extension of time will be allowed.

Total new contract amount through this Change Order No. 1 \$ 757,655.00

Contractor: Selland Construction, Inc.  
P.O. Box 2684  
6525 East Idaho Street  
Elko, Nevada 89811

By: [Signature]  
Title: Superintendent  
Date: 11-26-91

Recommended by: [Signature]  
Date: 11-27-91

Approved by: [Signature]  
Chief Engineer and General Manager  
STANLEY L. SMITH JR., P.E.  
Date: 12-3-91

Change Order Justification/Authorization Memorandum

Date: 11/25/91

FILE No.: 91-08

CONTRACT No.: 91-08

Change Order No. 1

MEMO TO: D.E. Sagramoso

FROM: J.L. Hughes

Request a Change Order to FCD Contract 91-08 Salt/Gila River Low Flow Channel - Turner Road to Gillespie Dam - to be issued to Selland Construction, Inc.

The Change Order is required because (1) FCD has never cleared this area due to the swampy conditions as it does not have this type of equipment on hand to do the work and (2) the plans did not include this area to be cleared and grubbed.

The following financial information is submitted:

Initial Contract Amount: \$ 755,635.00

Change Order Authorization Limit

Total change: A/E - 20% or \$20,000.00 max  
Const - 10% or \$100,000.00 max \$ 75,563.50

Individual Change: A/E - 15% or \$15,000.00 max  
Const - 20% of bid for item \$ N/A (exceeds 10% of total)

Amount Previously Authorized in Change Orders: \$ -0-

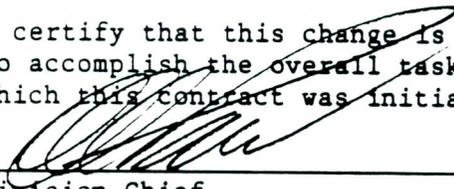
Change Order Authorization Remaining: \$ 75,563.50

Amount Requested for this Change: \$ 2,020.00

Remaining Change Order Authority \$ 73,543.50

I certify that this change is required to accomplish the overall task for which this contract was initiated.

Funds are available to accomplish this Change Order.

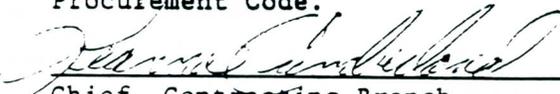
  
Division Chief

11/27/91  
Date

  
Controller

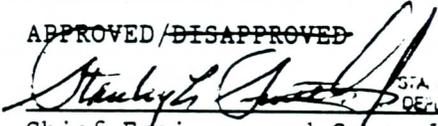
11/29/91  
Date

I certify that this change order is within the limits authorized by the County Procurement Code.

  
Chief, Contracting Branch

12/2/91  
Date

~~APPROVED/DISAPPROVED~~

  
Chief Engineer and General Manager

12-3-91  
Date

Copy to: Contract File, Controller, Division Chief, and Project Manager

ldb



Flood Control District of Maricopa County

Contract Change Order No. 2

Date: 2/26/92 FCD Contract No./Name: 91-08 Salt-Gila River Low Flow Channel  
Turner Road to Gillespie Dam  
To: Selland Construction, Inc. Contractor.

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Changes requested by: J. L. Hughes

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

Sheet No. 1 of 1

| Bid Item No. | Description                           | Estimated Quantity | As Built Quantity | Difference, + or - | Unit Price | Difference, + or - |
|--------------|---------------------------------------|--------------------|-------------------|--------------------|------------|--------------------|
| 215          | Channel Excavation including disposal | 956,500            | 965,908           | +9,408.00          | .79        | \$7,432.32         |

We, the undersigned contractor, having given careful consideration to the change(s) proposed, hereby agree, if this proposal is approved, that we will provide all equipment, furnish all material (except as may otherwise be noted above), and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.

Total new contract amount through this Change Order No. 2 \$ 765,087.32

Contractor: Selland Construction, Inc.  
P.O. Box 2684  
6525 East Idaho Street  
Elko, Nevada 89801

By: [Signature]  
Title: Superintendent  
Date: 2-26-92

Recommended by: [Signature]  
Date: 3-2-92

Approved by: [Signature]  
Chief Engineer and General Manager  
Date: 3-4-92

Change Order Justification/Authorization Memorandum

Date: 02-26-92

FILE No.: 91-08

CONTRACT No.: 91-08

Change Order No. 2

MEMO TO: S. L. Smith, Jr.

FROM: J. L. Hughes

Request a Change Order to FCD Contract 91-08 Salt/Gila River Low Flow Channel - Turner Road to Gillespie Dam - to be issued to Selland Construction, Inc.

The Change Order is required because of final adjustment to contract bid quantities in the amount of + 9,408 cubic yards.

The following financial information is submitted:

Initial Contract Amount: \$ 755,635.00

Change Order Authorization Limit

Total change: A/E - 20% or \$20,000.00 max  
Const - 10% or \$100,000.00 max \$ 75,563.50

Individual Change: A/E - 15% or \$15,000.00 max  
Const - 20% of bid for item \$                     

Amount Previously Authorized in Change Orders: \$ 2,020.00

Change Order Authorization Remaining: \$ 73,543.50

Amount Requested for this Change: \$ 7,432.32

Remaining Change Order Authority \$ 66,111.18

I certify that this change is required to accomplish the overall task for which this contract was initiated.

Funds are available to accomplish this Change Order.

[Signature]  
C&S Division Chief

[Signature]  
Controller

Concur: [Signature] 3/2/92  
Project Manager, PPM

I certify that this change order is within the limits authorized by the County Procurement Code.

[Signature]  
Chief, Contracting Branch

APPROVED/DISAPPROVED

[Signature]  
Chief Engineer and General Manager

Copy to: Contract File, Controller, Division Chief, and Project Manager

CONTRACT FOR ENGINEERING AND SURVEYING SERVICES

CONTRACT FCD 60-6

WHEREAS, the Flood Control District of Maricopa County, Arizona, hereinafter called the DISTRICT, is desirous of having certain professional engineering and surveying services performed in connection with the Salt-Gila River Clearing Project.

WHEREAS, Donald R. Preisler, a Registered Professional Engineer, doing business as John Carillo Engineers, a partnership, hereinafter called the ENGINEER, is desirous of performing said services;

NOW, THEREFORE, the parties hereto mutually agree as follows:

The ENGINEER shall provide professional engineering and surveying services for: Preparation of a Report entitled "Salt-Gila River Clearing, Gillespie Dam Analysis" in accordance with the attached Scope of Work (Revised), Exhibit A dated March 21, 1980, and made a part hereof.

The fee for this contract is \$ 30,750.00, payable upon completion of the work as accepted by the DISTRICT, except that progress payments may be made on certification by the ENGINEER, and approved by the Chief Engineer and General Manager of the Flood Control District, on ninety percent (90%) of the work completed at the time of request for progress payment.

Whenever an alteration in the character of work results in a substantial change in the nature of the design, thereby materially increasing or decreasing the cost of the performance, the work will be performed in accordance with the contract and as directed; provided, however that before such work is started, a contract change order or supplemental agreement shall be executed by the DISTRICT and the ENGINEER, such change order not to be effective until approved by the DISTRICT. Additions to, modifications, or deletions from the project provided herein may be made and the compensation to be paid to the ENGINEER may be adjusted accordingly by mutual agreement of the contracting parties. It is distinctly understood and agreed that no claim for extra work done or materials furnished by the ENGINEER will be allowed by the DISTRICT except as provided herein, nor shall the ENGINEER do any work or furnish any materials not covered by this agreement unless such work is first authorized in writing. Any such work or materials furnished by the ENGINEER without such written authorization first being given shall be at his own risk, cost, and expense, and he hereby agrees that without such written authorization he will make no claim for compensation for such work or materials furnished.

All documents, including original drawings, estimates, specifications, field notes and data are and remain the property of the DISTRICT. The ENGINEER may retain a set of reproducible record prints of drawings and copies of other documents.

ENGINEER shall perform its services as an independent contractor in accordance with its own methods, this Contract, and applicable laws and regulations.

Neither party hereto shall be considered in default in the performance of its obligations hereunder to the extent that the performance of any such obligations is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party.

DISTRICT may terminate this Contract at any time upon reimbursement to the ENGINEER of expenses which include reasonable charges for time and material.

ENGINEER may terminate this Contract in the event of nonpayment of fees as specified herein.

This Contract shall not be assigned by either party without prior written approval of the other except that ENGINEER may utilize in the performance of this Contract without prior approval of the DISTRICT personnel or services of its related entities and affiliated companies as if they were an integral part of ENGINEER.

IN WITNESS WHEREOF, the parties herein have executed this contract in duplicate.

ENGINEER

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA

Donald A. Reish

By: Frank Kroyer  
Chairman, Board of Directors

Date: 5/12/80

Date: JUN 2 1980

RECOMMENDED BY:

ATTEST:

W. D. Matthews  
Chief Engineer and General Manager, DISTRICT

Phyllis Woodson  
Clerk of the Board

Date: 5-15-80

NO KICK-BACK CERTIFICATION

The ENGINEER warrants that no person has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee; and that no member of the Board of Directors of the Flood Control District of Maricopa County, Arizona, or any employee of the Flood Control District of Maricopa County, has any interest, financially or otherwise, in the Consulting Engineering firm.

For breach or violation of this warranty, the Flood Control District of Maricopa County, Arizona, shall have the right to annul this contract without liability, or at its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

Signed: Donald A. Reish

Date: 5/12/80

Distribution:

Board of Directors  
Consulting Engineer  
Flood Control District Files

MEMO TO: Edward J. Milker, Intergovernmental Relations Department  
FROM: W. D. Mathews, P.E., Chief Engineer and General Manager  
DATE: May 14, 1980  
SUBJECT: Consulting Engineering Contract  
Salt-Gila River Clearing, Dam Analysis

Contract FCD 80-6, with John Carollo Engineers for the Analysis of Gillespie Dam in conjunction with our Salt-Gila River Clearing Project is the end result of the selection/negotiation procedures used by the District for Professional Engineering and Surveying Services.

The following is a summary of events/activities leading to the recommendation for award of this Contract.

- a. On July 24, 1979, letters soliciting interest were mailed to 26 consulting engineering firms that had previously indicated a desire to provide professional services of the type required.
- b. On August 6, 1979, a Scope of Work (dated July 27, 1979) was mailed to 12 consulting engineering firms that had responded to the initial solicitation and a Qualification Statement was requested.
- c. On October 15, 1979, a Selection Committee composed of the Deputy Chief Engineer and General Manager, the Chief of the Engineering Division, and the Project Engineer reviewed the three Qualification Statements received. In view of the small number received, the firms were listed in order of preference and referred to the Chief Engineer and General Manager for selection approval.
- d. On November 13, 1979, authority was granted by the Board of Directors to negotiate with John Carollo Engineers.
- e. On November 21, 1979, John Carollo Engineers submitted their initial proposal.
- f. On March 21, 1980, after several months of communication with the agent/attorney for the new owners of Gillespie Dam, the Scope of Work for the dam analysis was revised to incorporate items of concern to the owner and to require development of a benefit-cost relationship.

Memo to: Edward J. Milker  
Page 2  
May 14, 1980

- g. On April 16, 1980, John Carollo Engineers submitted their revised proposal in the amount of \$43,650.00.
- n. On May 12, 1980, a negotiating session was held with representatives of John Carollo Engineers that resulted in agreement upon the Contract fee of \$30,750.00.

Request your concurrence in the recommendation for award of Contract FCD 80-6, for which 50 percent of the Contract fee will come from budgeted revenue sharing funds.

Signed - W. D. MATHEWS

W. D. Mathews

Enclosure

Smith

Coord.

Info.

File: Contract FCD 80-6

~~LC~~  
NPK

DES

CONTRACT FOR ENGINEERING AND SURVEYING SERVICES

CONTRACT FCD 80-9

WHEREAS, the Flood Control District of Maricopa County, Arizona, hereinafter called the DISTRICT, is desirous of having certain professional engineering and surveying services performed in connection with the Salt-Gila River Interim Flood Control Works.

WHEREAS, Camp Dresser and McKee Inc., 710 South Broadway, Walnut Creek, California, hereinafter called the ENGINEER, is desirous of performing said services;

NOW, THEREFORE, the parties hereto mutually agree as follows:

The ENGINEER shall provide professional engineering and surveying services for Salt-Gila River Interim Flood Control Works in accordance with the attached Exhibits A through E, dated September 26, 1980, and made a part hereof.

The fee for this contract is \$ 85,000, payable upon completion of the work as accepted by the DISTRICT, except that progress payments may be made on certification by the ENGINEER, and approved by the Chief Engineer and General Manager of the Flood Control District, on ninety percent (90%) of the work completed at the time of request for progress payment.

Whenever an alteration in the character of work results in a substantial change in the nature of the design, thereby materially increasing or decreasing the cost of the performance, the work will be performed in accordance with the contract and as directed; provided, however that before such work is started, a contract change order or supplemental agreement shall be executed by the DISTRICT and the ENGINEER, such change order not to be effective until approved by the DISTRICT. Additions to, modifications, or deletions from the project provided herein may be made and the compensation to be paid to the ENGINEER may be adjusted accordingly by mutual agreement of the contracting parties. It is distinctly understood and agreed that no claim for extra work done or materials furnished by the ENGINEER will be allowed by the DISTRICT except as provided herein, nor shall the ENGINEER do any work or furnish any materials not covered by this agreement unless such work is first authorized in writing. Any such work or materials furnished by the ENGINEER without such written authorization first being given shall be at his own risk, cost, and expense, and he hereby agrees that without such written authorization he will make no claim for compensation for such work or materials furnished.

All documents, including original drawings, estimates, specifications, field notes and data are and remain the property of the DISTRICT. The ENGINEER may retain a set of reproducible record prints of drawings and copies of other documents.

ENGINEER shall perform its services as an independent contractor in accordance with its own methods, this Contract, and applicable laws and regulations.

Neither party hereto shall be considered in default in the performance of its obligations hereunder to the extent that the performance of any such obligations is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party.

DISTRICT may terminate this Contract at any time upon reimbursement to the ENGINEER of expenses which include reasonable charges for time and material.

ENGINEER may terminate this Contract in the event of nonpayment of fees as specified herein.

ENGINEER may terminate this Contract in the event of nonpayment of fees as specified herein.

This Contract shall not be assigned by either party without prior written approval of the other except that ENGINEER may utilize in the performance of this Contract without prior approval of the DISTRICT, personnel or services of its related entities and affiliated companies as if they were an integral part of ENGINEER.

IN WITNESS WHEREOF, the parties herein have executed this contract in duplicate.

ENGINEER

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA

Roger G. Fry

By: W. N. Matthews  
Chief Engineer and General Manager,  
DISTRICT

Date: September 30, 1980

Date: 10-2-80

RECOMMENDED BY:

Nicholas P. Karay  
Chief, Engineering Division

Date: 10-2-80

NO KICK-BACK CERTIFICATION

The ENGINEER warrants that no person has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee; and that no member of the Board of Directors of the Flood Control District of Maricopa County, has any interest, financially or otherwise, in the Consulting Engineering firm.

For breach or violation of this warranty, the Flood Control District of Maricopa County, Arizona, shall have the right to annul this contract without liability, or at its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

Signed: Roger G. Fry

Date: September 30, 1980

Distribution:

Board of Directors  
Consulting Engineer  
Flood Control District Files

CHANGE ORDER NO. 1 TO CONTRACT  
FOR ENGINEERING SERVICES

Contract No. FCD 80-9

WHEREAS, the Flood Control District of Maricopa County, a political subdivision of the State of Arizona, hereinafter called the "DISTRICT" and Camp Dresser & McKee, Inc., 710 South Broadway, Walnut Creek, CA., hereinafter called the "ENGINEER" did execute a contract numbered FCD 80-9, signed October 2, 1980 for engineering services for:

The development and analysis of interim flood control projects for the Salt/Gila River from 91st Avenue to the Gillespie Dam.

WHEREAS, additional engineering services necessary for a detailed review and analysis of ADOT survey and hydraulic data in the vicinity of SR 85 and bridge extension plans are required due to revised ADOT bridge flow capacity estimates. Because of ADOT funding and construction schedules, the due date for this portion of the ENGINEER'S report must be accelerated three (3) months, thus requiring additional and immediate work by the ENGINEER. The end product will be the recommendation of a technically and economically feasible improvement to the Gila River so that the capacity of the extended bridge will approximate 70,000 cfs.

NOW THEREFORE, the parties hereto mutually agree to modify Contract No. FCD 80-9 as follows:

ADD to Contract No. FCD 80-9, EXHIBIT "F", attached hereto.

The fee for this change order is \$4,000, therefore; making the contract fee total of the amended contract, \$89,000.

This Change Order to Contract for Engineering Services, when executed, shall become a part of Contract No. FCD 80-9.

IN WITNESS WHEREOF, the parties have executed this Change Order in quadruplicate.

ENGINEER:

Roger G. Fry  
For Camp Dresser & McKee, Inc.

Date: January 5, 1981

RECOMMENDED BY:

Nicholas P. Karan  
Chief, Engineering Division

Date: 1-9-81

FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY, ARIZONA:

By: W.D. Matthews  
Chief Engineer and General Manager,  
District

Date: 1-9-81

SALT-GILA VER INTERIM FLOOD CONTROL WORK

September 26, 1980

ATTACHMENT A

SCOPE OF WORK

PHASE I -

Task 1 - Perform Data Search

At the initial stages of the work, all available data and information relevant to the study will be assembled. Data will be acquired from the Flood Control District of Maricopa County, the Arizona Department of Water Resources, the U.S. Army Corps of Engineers, the Federal Insurance Administration, and other agencies and local interests which may have developed pertinent information. Data to be collected will include, but not limited to, maps, photographs, local drainage systems, flooding records, and flood damage reports.

Task 2 - Conduct Field Studies and Surveys

Field studies consisting of site inspections with representatives of the Flood Control District, property owners, irrigation districts, and other local groups will be conducted. Drainage, flooding, erosion, and other concerns and problems, as identified by the Flood Control District and these agencies and groups, will be obtained. Photographs and notes will be taken to document existing conditions.

At locations where topographic data and/or information on man-made facilities is lacking, a field crew will survey to the extent necessary to identify and record needed information. During the performance of subsequent tasks, additional field survey needs may be identified, and if so, surveying will be conducted at that time. Field surveying will be limited to the amount shown in Attachment C.

### Task 3 - Review Basic Data

Data collected in Tasks 1 and 2 will be reviewed to determine their utility in the study. The data will be compiled by the following river reaches:

- Reach 1 - 91st Avenue to 107th Avenue
- Reach 2 - 107th Avenue to Sarival Avenue (163rd)
- Reach 3 - Sarival Avenue (163rd) to State Route 85
- Reach 4 - Vicinity of State Route 85
- Reach 5 - Northwest Bank at Powers Butte
- Reach 6 - Powers Butte to Gillespie Dam

Sub-watershed boundaries will be determined for all six reaches. The elements of local drainage systems (channels, pipes, ditches, and other features) from available records will be drawn on maps and their sizes will be indicated. No field surveying will be performed.

Flood flows will be tabulated from available records for the Salt River, Gila River, Agua Fria River, Hassayampa River, Centennial Wash, and smaller tributaries. Recurrence intervals for the flood flows will be compiled, if they are available.

### Task 4 - Perform Hydraulic Analyses of Existing Conditions

Hydraulic analyses will be performed for the Salt-Gila River utilizing the cross-sections used by CDM for the Central Arizona Water Control Study, with modifications thereto to represent the recently changed conditions identified in Tasks 2 and 3.

Water surface profiles will be calculated for flows of 50,000, 75,000, 100,000, 200,000 and 300,000 cfs. The Corps of Engineers' HEC-2 computer program, which is currently up and running on CDM's computer facility, will be used to calculate the water surface profiles. Special attention will be given to water surface

conditions caused by obstructions, such as the Highway 85 bridge. Utilizing the results of the HEC-2 simulations, areas of high flow velocity, overtopping of existing levees, restricted channels, abrupt bends, and other stress points will be located and evaluated. These will then be compared with the damage areas reported during the last three years, and any discrepancies between the two will be noted.

Water surface profiles for the Agua Fria River, Hassayampa River, and Centennial Wash will be roughly estimated where needed, using a simplified analysis. No HEC-2 runs will be made due to lack of data.

Lastly, the calculated water surface profiles will be compared to the Federal Flood Insurance water surface profiles and discrepancies, if any, will be evaluated.

#### Task 5 - Develop Interim Flood Control Measures

The flood control problem areas as identified in Task 2, and verified in Task 4, will be the bases for formulating two or more alternative interim flood control measures at each reach. These interim measures will be for 8 to 10 specific locations, not mile-by-mile over the entire river length. Evaluation of topography, local drainage systems, type and severity of the damage, and other items will be made in the formulation of flood control measures to minimize losses at these problem areas. These measures could include, but not be limited to, channel improvements, levee improvements, clearing of vegetation, removal of sediment deposits, and bridge improvements.

Preliminary design and hydraulic analyses will be made for one river flow for each of the two or more alternative interim measures to the extent necessary to insure that the hydraulic performance is acceptable. Sedimentation processes will be considered in analyzing the measures.

The results of this task will be presented on maps and generalized drawings showing the proposed improvements and other features as appropriate.

## PHASE II

### Task 6 - Evaluate Interim Flood Control Measures

Each of the alternative interim flood control measures from Task 5 will be evaluated in terms of their reliability, effectiveness, environmental impact, potential for staged construction, public acceptance, and compatibility with: (1) other projects, (2) local and County plans, and (3) the Federal Flood Insurance program.

The end product of the task will be a ranking matrix for comparison of the various interim measures.

### Task 7 - Prepare Preliminary Improvement Plans

Utilizing the ranking matrix developed in Task 6, specific measures will be recommended for each of the six reaches. Following acceptance by the Flood Control District, the recommended measures will then be hydraulically analyzed in more detail than was done in Task 5. In addition, structural analyses will be performed. Preliminary improvement plans will then be prepared for each recommended measure.

### Task 8 - Prepare Benefit/Cost Analysis

A capital cost estimate will be prepared for each interim measure. This estimate will include the cost of construction, land rights, engineering and administration, and contingencies.

The average annual costs to operate and maintain the works of improvement for each interim measure will also be estimated.

The average annual flood control benefits that will result from the interim measures will be estimated in accordance with the procedures of the Arizona Department of Water Resources. A benefit/cost analysis will then be prepared for each measure utilizing average annual construction, land rights, operation and maintenance costs.

#### Task 9 - Prepare Report

A technical report will be prepared that will describe the study objectives, flood control problems, basic data, hydraulic analysis of existing river conditions, and the broad considerations and analysis leading to the interim flood control measures formulated in Task 5.

The ranking matrix for the evaluation of the alternative flood control measures will be included in the report, as will the preliminary improvement plans for the recommended measures, the cost estimates, and benefit/cost analysis. Recommended construction, operation and maintenance features will be described for each interim measure.

Sixteen copies of the report will be prepared in draft form and submitted to the Flood Control District for review. Following District approval of the draft, the report will be finalized and the original typewritten materials, drawings and charts in reproducible form will be submitted to the District. One copy of supporting material, references, and HEC-2 computer output will be given to the District.

#### Task 10 - Coordination and Management

At the beginning of the study the Principal-in-Charge and the Project Manager will work closely with the Flood Control District in the development of a work program and time schedule. Management and coordination with the District will be provided throughout the study period.

CDM will participate in a milestone meeting once each month. At these milestone meetings CDM will report the activities of the past month, describe forthcoming activities, exchange information with, and receive guidance from, the District.



## SALT-GILA RIVER INTERIM FLOOD CONTROL WORKS

September 26, 1980

## ATTACHMENT C

## ESTIMATED BUDGET

| <u>Task</u>                     | <u>Amount</u> |
|---------------------------------|---------------|
| 1 Data Search                   | \$ 4,200      |
| 2 Field Studies                 | 8,100         |
| 3 Data Review                   | 4,200         |
| 4 Hydraulic Analysis            | 6,400         |
| 5 Interim Measures              | 17,100        |
| 6 Evaluate Interim Measures     | 3,000         |
| 7 Preliminary Improvement Plans | 12,700        |
| 8 Benefit/Cost                  | 6,800         |
| 9 Report                        | 5,900         |
| 10 Coordination and Management  | <u>4,400</u>  |
| TOTAL, LABOR                    | \$72,800      |
| <u>Expenses</u>                 |               |
| Computer                        | \$ 2,000      |
| Travel                          | 2,400         |
| Printing of Draft Report        | 600           |
| Telephone, Misc.                | <u>200</u>    |
| TOTAL, EXPENSES                 | \$ 5,200      |
| <u>Summary</u>                  |               |
| Labor                           | \$72,800      |
| Expenses                        | 5,200         |
| Surveyor - Subcontractor        | 5,000         |
| Economist - Subcontractor       | <u>2,000</u>  |
| TOTAL                           | \$85,000      |

SALT-GILA VER INTERIM FLOOD CONTROL WORK

September 26, 1980

ATTACHMENT D

PRODUCTS TO BE PREPARED BY THE CONSULTANT

| <u>Task</u> | <u>Product</u>                                                                                                                                                              |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | a. List of data.                                                                                                                                                            |
| 2           | a. List of problems.<br>b. Photographs, notes and survey data for problem areas (not the entire river length). Survey results will be at a scale of 1 inch equals 200 feet. |
| 3           | a. Sub-watershed maps.<br>b. Local drainage system maps.<br>c. Tabulation of river flows.                                                                                   |
| 4           | a. HEC-2 output.<br>b. List of problem areas.                                                                                                                               |
| 5           | a. Generalized design drawings.<br>b. Hydraulic analyses (HEC-2 output and desk-top calculations).                                                                          |
| 6           | a. Evaluation matrix.                                                                                                                                                       |
| 7           | Preliminary design drawings.<br>a. plan and profile<br>b. cross-sections and details                                                                                        |
| 8           | a. Benefit/Cost analysis.                                                                                                                                                   |
| 9           | a. Draft Report, 16 copies.<br>b. Final Report, original typewritten materials.<br>c. Supporting Material, one copy.                                                        |
| 10          | a. Brief progress report.<br>b. Consultant will review and provide comments to the notes taken by the District at milestone meetings.                                       |

SALT-GILA RIVER INTERIM FLOOD CONTROL WORKS

September 26, 1980

ATTACHMENT E

PRODUCTS TO BE PROVIDED BY THE DISTRICT

| <u>Task</u> | <u>Product</u>                                                                                                                                                                                                                                                                                     |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | a. Set of stereo photograph prints of the river taken by the Arizona Department of Transportation on March 14, 1980.<br>b. Data from the District files (maps, reports, etc.). (District, Arizona Department of Water Resources, Corps, and FIA data).<br>c. Benefit/Cost criteria and procedures. |
| 2           | a. List of agencies and persons to contact.<br>b. List of reported flood problems.<br>c. Arrange and participate in meetings with the 7 or 8 concerned agencies and groups.                                                                                                                        |
| 3           | a. Copies of available drainage system and topographic maps.<br>b. Flood flows of tributary streams and rivers.                                                                                                                                                                                    |
| 4           | None.                                                                                                                                                                                                                                                                                              |
| 5           | None.                                                                                                                                                                                                                                                                                              |
| 6           | None.                                                                                                                                                                                                                                                                                              |
| 7           | None.                                                                                                                                                                                                                                                                                              |
| 8           | a. Operation and maintenance cost information for typical Maricopa County flood control projects.                                                                                                                                                                                                  |
| 9           | None.                                                                                                                                                                                                                                                                                              |
| 10          | a. Notes of milestone meetings.                                                                                                                                                                                                                                                                    |

ACTIVITY 601055 SALT/GILA CLEARING CH-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MAHICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1981 THRU JUNE 48, 1981

PAGE NUMBER 4630  
 DATE RUN 12/25/81  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |              |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |              |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |              |                                   |               |             | 285.00-                 |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              | 285.00                            | 285.00        |             |                         |               |
| ENGINEERING                    | 6447   | 251,510.00   | 4,806.50                          | 38,442.50     | 38,442.50   | 213,067.50              | .15           |
| PRINTING-BINDING-DUPLOC        | 6687   |              | 30.00                             | 30.00         |             | 30.00-                  |               |
| REG HRS DIRECT LABOR           | 9001   | 12,195.00    | 1,314.57                          | 21,544.82     | 21,544.82   | 9,349.82-               | 1.76          |
| DEPARTMENTAL OVERHEAD          | 9012   | 2,070.00     | 190.61                            | 3,128.87      | 3,128.87    | 1,058.87-               | 1.51          |
| TOTAL TASK                     |        | 265,775.00   | 6,311.68                          | 63,431.19     | 63,431.19   | 202,343.81              | .23           |
| RIGHT OF WAY                   | 020    |              |                                   |               |             |                         |               |
| LAND ACQUISITION-OTHER         | 7803   |              |                                   | 5,358.00      | 5,358.00    | 5,358.00-               |               |
| REG HRS DIRECT LABOR           | 9001   | 2,440.00     | 1,024.68                          | 3,312.44      | 3,312.44    | 872.44-                 | 1.35          |
| DEPARTMENTAL OVERHEAD          | 9012   | 415.00       | 148.93                            | 481.01        | 481.01      | 66.01-                  | 1.15          |
| TOTAL TASK                     |        | 2,855.00     | 1,173.61                          | 9,151.45      | 9,151.45    | 6,296.45-               | 3.20          |
| FACILITY RELOCATIONS           | 030    |              |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |              |                                   | 2,638.63      | 2,638.63    | 2,638.63-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |              |                                   | 382.08        | 382.08      | 382.08-                 |               |
| TOTAL TASK                     |        |              |                                   | 3,020.71      | 3,020.71    | 3,020.71-               |               |
| CONSTRUCTION                   | 040    |              |                                   |               |             |                         |               |
| OTHER IMP U/T BUILDINGS        | 7829   | 885,658.25   |                                   |               |             | 885,658.25              |               |
| REG HRS DIRECT LABOR           | 9001   | 2,440.00     |                                   | 13,469.19     | 13,469.19   | 11,029.19-              | 5.52          |
| OVERTIME DIRECT LABOR          | 9002   |              |                                   | 37.98         | 37.98       | 37.98-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 410.00       |                                   | 1,957.42      | 1,957.42    | 1,547.42-               | 4.77          |
| TOTAL TASK                     |        | 888,508.25   |                                   | 15,464.59     | 15,464.59   | 873,043.66              | .01           |
| MAINTENANCE                    | 050    |              |                                   |               |             |                         |               |
| GROUNDS R&M SUPPLIES           | 6231   |              | 27.13                             | 100.04        | 100.04      | 100.04-                 |               |
| GROUNDS R&M                    | 6736   | 100,000.00   |                                   |               |             | 100,000.00              |               |
| REG HRS DIRECT LABOR           | 9001   | 12,200.00    |                                   | 2,792.80      | 2,792.80    | 9,407.20                | .22           |
| OVERTIME DIRECT LABOR          | 9002   |              |                                   | 203.40        | 203.40      | 203.40-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 2,070.00     |                                   | 434.40        | 434.40      | 1,635.60                | .20           |
| TOTAL TASK                     |        | 114,270.00   | 27.13                             | 3,530.64      | 3,530.64    | 110,739.36              | .03           |
| TOTAL OPTION                   |        | 1,271,408.25 | 7,512.42                          | 94,598.58     | 94,598.58   | 1,176,809.67            | .07           |
| TOTAL PERFORMING ORG           |        | 1,271,408.25 | 7,512.42                          | 94,598.58     | 94,598.58   | 1,176,809.67            | .07           |
| TOTAL LABOR AND OTHER CHARGES  |        | 1,266,443.25 | 7,172.88                          | 88,214.80     | 88,214.80   | 1,178,228.45            | .06           |
| TOTAL OVERHEAD                 |        | 4,965.00     | 339.54                            | 6,383.78      | 6,383.78    | 1,418.78-               | 1.28          |
| TOTAL EXPENDITURES & ENCUMB    |        | 1,271,408.25 | 7,512.42                          | 94,598.58     | 94,598.58   | 1,176,809.67            | .07           |
| TOTAL REVENUE                  |        |              |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 1,271,408.25 | 7,512.42                          | 94,598.58     | 94,598.58   | 1,176,809.67            | .07           |

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ACTIVITY 6C1055 SALT/GILA CLR-CHN CIP-STD  
 REPORT 3C1097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1982 THRU JUNE 30, 1982

PAGE NUMBER 5132  
 DATE RUN 07/31/82  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET       | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900         |              |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***          |              |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010          |              |                                   |               | 13,287.00-  | 13,287.00               |               |
| ENGINEERING                    | 6447         |              |                                   |               | 13,287.00-  | 13,287.00               |               |
| TOTAL TASK                     |              |              |                                   |               |             |                         |               |
| RIGHT OF WAY                   | 020          |              |                                   |               |             |                         |               |
| OTHER FEES                     | 6569         |              | 2,877.00                          | 2,877.00      |             | 2,877.00-               |               |
| TOTAL TASK                     |              |              | 2,877.00                          | 2,877.00      |             | 2,877.00-               |               |
| CONSTRUCTION                   | 040          |              |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431         | 20.00        | 20.00                             | 20.00         | 13,287.00   | 20.00-                  |               |
| ENGINEERING                    | 6447         | 115,000.00   | 31,791.60                         | 31,791.60     |             | 69,921.40               | .27           |
| OTHER PROFESSIONAL SERV        | 6468         |              | 1,242.80                          | 1,242.80      |             | 1,242.80-               |               |
| PUBLISH OF LEGAL NOTICES       | 6691         |              | 322.67                            | 322.67        |             | 322.67-                 |               |
| OTHER IMP O/T BUILDINGS        | 7829         | 1,151,000.00 | 75.00                             | 75.00         |             | 1,150,925.00            |               |
| TOTAL TASK                     | 1,266,000.00 | 20.00        | 33,452.07                         | 33,452.07     | 13,287.00   | 1,219,280.93            | .02           |
| TOTAL OPTION                   | 1,266,000.00 | 20.00        | 36,329.07                         | 36,329.07     |             | 1,229,670.93            | .02           |
| TOTAL PERFORMING ORG           | 1,266,000.00 | 20.00        | 36,329.07                         | 36,329.07     |             | 1,229,670.93            | .02           |
| TOTAL LABOR AND OTHER CHARGES  | 1,266,000.00 | 20.00        | 36,329.07                         | 36,329.07     |             | 1,229,670.93            | .02           |
| TOTAL OVERHEAD                 |              |              |                                   |               |             |                         |               |
| TOTAL EXPENDITURES & ENCUMB    | 1,266,000.00 | 20.00        | 36,329.07                         | 36,329.07     |             | 1,229,670.93            | .02           |
| TOTAL REVENUE                  |              |              |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 1,266,000.00 | 20.00        | 36,329.07                         | 36,329.07     |             |                         |               |

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\* Subtract \$29,500 for Perryville and Holly Acres levees design.

ACTIVITY: 601055 SALT/GILA CLR-CHN CIP-STD  
 REPORT 501027-57  
 FISCAL YEAR ELAPSED 100 PCT.

YAVAPAI COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1983 THRU JUNE 30, 1983

PAGE NUMBER 5043  
 DATE RUN 07/30/83  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET    | PERIOD    | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|-----------|-----------|--------------------------------|---------------|-------------|----------------------|------------|
| FLOOD CONTROL                  | 6900      |           |                                |               |             |                      |            |
| OPTION CODE BLANK              | ***       |           |                                |               |             |                      |            |
| ADMINISTRATION                 | 010       |           |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001      |           | 2,197.87                       | 2,187.87      |             | 2,187.87-            |            |
| DEPARTMENTAL OVERHEAD          | 9012      | 155.63    | 311.57                         | 311.57        |             | 311.57-              |            |
| TOTAL TASK                     |           | 155.63    | 2,499.44                       | 2,499.44      |             | 2,499.44-            |            |
| RIGHT OF WAY                   | 020       |           |                                |               |             |                      |            |
| REGULAR SALARIES               | 5011      | 581.00    |                                |               |             | 581.00               |            |
| OVERTIME                       | 5031      | 10.00     |                                |               |             | 10.00                |            |
| TEMPORARY HELP                 | 5121      | 31.00     |                                |               |             | 31.00                |            |
| FICA                           | 5611      | 41.00     |                                |               |             | 41.00                |            |
| STATE RETIREMENT PLAN          | 5651      | 41.00     |                                |               |             | 41.00                |            |
| ARIZ HEALTH PLAN               | 5721      | 4.00      |                                |               |             | 4.00                 |            |
| CONNECTICUT GENERAL HLTH       | 5751      | 11.00     |                                |               |             | 11.00                |            |
| LIGNA HEALTH PLAN              | 5761      | 5.00      |                                |               |             | 5.00                 |            |
| MANUFACTURERS LIFE             | 5771      | 1.00      |                                |               |             | 1.00                 |            |
| ON-THE-JOB INJURY INS          | 5781      | 5.00      |                                |               |             | 5.00                 |            |
| UNEMPLOYMENT INS               | 5811      | 2.00      |                                |               |             | 2.00                 |            |
| OTHER FEES                     | 6569      |           |                                | 2,877.00      |             | 2,877.00-            |            |
| GROUNDS/LAND RENT              | 6653      |           | 1,910.00                       | 1,910.00      |             | 1,910.00-            |            |
| LAND ACQUISITION-OTHER         | 7803      | 25,000.00 | 325.00                         | 325.00        |             | 24,675.00            | .01        |
| REG HRS DIRECT LABOR           | 9001      |           | 974.73                         | 13,412.03     | 13,412.03   | 13,412.03-           |            |
| DEPARTMENTAL OVERHEAD          | 9012      |           | 887.20                         | 1,924.58      | 1,924.58    | 1,924.58-            |            |
| TOTAL TASK                     | 25,732.00 | 1,861.93  | 17,571.61                      | 20,448.61     |             | 5,283.39             | .79        |
| FACILITY RELOCATIONS           | 030       |           |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001      |           | 160.46                         | 1,106.09      | 1,106.09    | 1,106.09-            |            |
| DEPARTMENTAL OVERHEAD          | 9012      |           | 130.46                         | 160.40        | 160.40      | 160.40-              |            |
| TOTAL TASK                     |           |           | 290.92                         | 1,266.49      | 1,266.49    | 1,266.49-            |            |
| CONSTRUCTION                   | 040       |           |                                |               |             |                      |            |
| REGULAR SALARIES               | 5011      | 12,791.00 |                                |               |             | 12,791.00            |            |
| OVERTIME                       | 5031      | 220.00    |                                |               |             | 220.00               |            |
| TEMPORARY HELP                 | 5121      | 675.00    |                                |               |             | 675.00               |            |
| FICA                           | 5611      | 911.00    |                                |               |             | 911.00               |            |
| STATE RETIREMENT PLAN          | 5651      | 911.00    |                                |               |             | 911.00               |            |
| ARIZ HEALTH PLAN               | 5721      | 88.00     |                                |               |             | 88.00                |            |
| CONNECTICUT GENERAL HLTH       | 5751      | 232.00    |                                |               |             | 232.00               |            |
| LIGNA HEALTH PLAN              | 5761      | 112.00    |                                |               |             | 112.00               |            |
| MANUFACTURERS LIFE             | 5771      | 18.00     |                                |               |             | 18.00                |            |
| ON-THE-JOB INJURY INS          | 5781      | 102.00    |                                |               |             | 102.00               |            |
| UNEMPLOYMENT INS               | 5811      | 37.00     |                                |               |             | 37.00                |            |
| LANDSCAPING SUPPLIES           | 6071      |           |                                | 878.85        | 878.85      | 878.85-              |            |
| ATTORNEYS OTHER NON-COUNT      | 6451      |           | 179.74                         | 199.74        | 199.74      | 199.74-              |            |
| ENGINEERING                    | 6447      | 10,000.00 | 10,177.80                      | 10,177.80     | 41,969.40   | 31,969.40-           | 4.19       |
| OTHER PROFESSIONAL SERV        | 6468      |           |                                |               | 1,242.80    | 1,242.80-            |            |
| OTHER PERALS                   | 6659      |           |                                |               | 417.58      | 417.58-              |            |
| PUBLISHER OF LEGAL NOTICES     | 6691      |           | 12.40                          | 26.60         | 349.27      | 349.27-              |            |
| OTHER REPAIR & MAINT           | 6749      |           |                                | 59.58         | 59.38       | 59.38-               |            |
| DEFERRED                       | 829       | 940.00    | 13.7                           | 1.27          | 02.0        | 426.94               |            |

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ACTIVITY 6C1055 SALT/GILA CNTRL-WR CIP-STD  
 REPORT 301192-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1983 THRU JUNE 30, 1983

PAGE NUMBER 5045  
 DATE RUN 07/30/83  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | ACTUAL REV / COST |              |               | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP.   |
|--------------------------------|--------|-------------------|--------------|---------------|-------------|----------------------|--------------|
|                                |        | PERIOD            | YEAR-TO-DATE | INCEP-TO-DATE |             |                      |              |
| FLOOD CONTROL                  | 6900   |                   |              |               |             |                      |              |
| OPTION CODE BLANK              | ***    |                   |              |               |             |                      |              |
| ADMINISTRATION                 | J10    |                   |              |               |             |                      |              |
| REG HRS DIRECT LAJOR           | 9001   |                   | 835.46       | 5,325.65      | 5,325.65    | 5,325.65-            |              |
| DEPARTMENTAL OVERHEAD          | 9012   |                   | 147.73       | 771.98        | 771.98      | 771.98-              |              |
| TOTAL TASK                     |        |                   | 983.19       | 6,097.63      | 6,097.63    | 6,097.63-            |              |
| RIGHT OF WAY                   | 020    |                   |              |               |             |                      |              |
| LAND ACQUISITION-NOW           | 7802   | 3,000.00          |              |               | 666.16      | 3,000.00             | 666.16-      |
| LAND ACQUISITION-OTHER         | 7803   | 100,000.00        |              |               | 800.00      | 99,200.00            | 800.00-      |
| REG HRS DIRECT LAJOR           | 9001   |                   | 647.89       | 875.77        | 875.77      | 875.77-              |              |
| DEPARTMENTAL OVERHEAD          | 9012   |                   | 94.14        | 127.27        | 127.27      | 127.27-              |              |
| TOTAL TASK                     |        | 103,000.00        | 742.03       | 1,803.04      | 2,469.20    | 3,000.00             | 97,530.80    |
| CONSTRUCTION                   | 040    |                   |              |               |             |                      |              |
| STATE SHARE OF COSTS           | 3281   | 571,500.00        |              |               |             |                      | 571,500.00   |
| REGULAR SALARIES               | 5011   | 21,222.00         |              |               |             |                      | 21,222.00    |
| OVERTIME                       | 5031   | 365.00            |              |               |             |                      | 365.00       |
| TEMPORARY HELP                 | 5121   | 1,120.00          |              |               |             |                      | 1,120.00     |
| FICA                           | 5611   | 1,511.00          |              |               |             |                      | 1,511.00     |
| STATE RETIREMENT PLAN          | 5651   | 1,511.00          |              |               |             |                      | 1,511.00     |
| ARIZ HEALTH PLAN               | 5721   | 146.00            |              |               |             |                      | 146.00       |
| CONNECTICUT GENERAL HLTH       | 5751   | 384.00            |              |               |             |                      | 384.00       |
| CIGNA HEALTH PLAN              | 5761   | 186.00            |              |               |             |                      | 186.00       |
| MANUFACTURERS LIFE             | 5771   | 30.00             |              |               |             |                      | 30.00        |
| ON-THE-JOB INJURY INS          | 5781   | 170.00            |              |               |             |                      | 170.00       |
| UNEMPLOYMENT INS               | 5811   | 61.00             |              |               |             |                      | 61.00        |
| ENGINEERING                    | 6447   | 59,000.00         |              |               |             |                      | 59,000.00    |
| PUBLISH OF LEGAL NOTICES       | 6691   |                   |              |               |             |                      | 44,848.00    |
| OTHER IMP OUT BUILDINGS        | 7829   | 994,000.00        |              |               |             |                      | 12.40        |
| REG HRS DIRECT LAJOR           | 9001   |                   | 2,025.34     | 56,638.52     | 56,638.52   | 937,361.48           | 56,638.52-   |
| DEPARTMENTAL OVERHEAD          | 9012   |                   | 298.20       | 3,230.04      | 3,230.04    | 3,230.04-            | 3,230.04-    |
| TOTAL TASK                     |        | 508,206.00        | 2,323.54     | 105,191.50    | 105,191.50  | 3,000.00             | 403,014.50   |
| TOTAL OPTION                   |        | 611,206.00        | 4,048.76     | 113,092.17    | 113,758.33  | 3,000.00             | 494,447.67   |
| TOTAL PERFORMING ORG           |        | 611,206.00        | 4,048.76     | 113,092.17    | 113,758.33  | 3,000.00             | 494,447.67   |
| TOTAL LAJOR AND OTHER CHARGES  |        | 1,182,706.00      | 3,508.69     | 111,724.38    | 112,390.54  | 3,000.00             | 1,067,315.46 |
| TOTAL OVERHEAD                 |        |                   | 540.07       | 1,367.79      | 1,367.79    |                      | 1,367.79-    |
| TOTAL EXPENDITURES & ENCUMB    |        | 1,182,706.00      | 4,048.76     | 113,092.17    | 113,758.33  | 3,000.00             | 1,065,947.67 |
| TOTAL REVENUE                  |        | 571,500.00        |              |               |             |                      | 571,500.00   |
| TOTAL NET ACTIVITY             |        | 611,206.00        | 4,048.76     | 113,092.17    | 113,758.33  | 3,000.00             |              |

\* Subtract \$29,500 for Perryville and Holly Acres levees design.

See Also page A-195 for FY 1982/83.

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TOTAL TASK

MARICOPA COUNTY  
ACTIVITY STATUS  
JUNE 01, 1984 THRU JUNE 30, 1984

PAGE NUMBER 5186  
DATE RUN 09/01/84  
ACCOUNTING PERIOD 12

ACTIVITY 6C1065 SALT/GILA CNIL-WR CIP-STD  
REPORT 301097-57  
FISCAL YEAR ELAPSED 100 PCT.

A-197

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET       | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CONSTRUCTION 040               |              |            |                                   |               |             | 8,547.00                |               |
| REGULAR SALARIES 5011          | 8,547.00     |            |                                   |               |             | 289.00                  |               |
| OVERTIME 5031                  | 289.00       |            |                                   |               |             | 280.00                  |               |
| TEMPORARY HELP 5121            | 280.00       |            |                                   |               |             | 610.00                  |               |
| FICA 5611                      | 610.00       |            |                                   |               |             | 619.00                  |               |
| STATE RETIREMENT PLAN 5651     | 619.00       |            |                                   |               |             | 52.00                   |               |
| ARIZ HEALTH PLAN 5721          | 52.00        |            |                                   |               |             | 233.00                  |               |
| CONNECTICUT GENERAL HLTH 5751  | 233.00       |            |                                   |               |             | 89.00                   |               |
| CIGNA HEALTH PLAN 5761         | 89.00        |            |                                   |               |             | 13.00                   |               |
| MANUFACTURERS LIFE 5771        | 13.00        |            |                                   |               |             | 65.00                   |               |
| ON-THE-JOB INJURY INS 5781     | 65.00        |            |                                   |               |             | 25.00                   |               |
| UNEMPLOYMENT INS 5811          | 25.00        |            |                                   |               |             | 26,000.00               | .69           |
| ENGINEERING 6447               | 85,000.00    |            | 14,158.00                         | 59,000.00     |             | 24.80                   |               |
| PUBLISH OF LEGAL NOTICES 6691  |              | 12.40      | 12.40                             | 24.80         |             | 1,024,618.52            | .25           |
| OTHER IMP C/T BUILDINGS 7829   | 1,370,000.00 | 82,823.90  | 288,742.96                        | 345,381.48    |             | 15,227.62               |               |
| REG HRS DIRECT LABOR 9001      |              | 1,756.95   | 11,997.58                         | 15,227.62     |             | 94.00                   |               |
| OVERTIME DIRECT LABOR 9002     |              | 50.88      | 94.00                             | 94.00         |             | 2,222.07                |               |
| DEPARTMENTAL OVERHEAD 9012     |              | 262.19     | 1,753.53                          | 2,222.07      |             |                         |               |
| TOTAL TASK                     | 1,465,822.00 | 84,906.32  | 316,758.47                        | 421,949.97    |             | 1,043,872.03            | .28           |
| TOTAL OPTION                   | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             | 906,028.63              | .44           |
| TOTAL PERFORMING ORG           | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             |                         |               |
| TOTAL LABOR AND OTHER CHARGES  | 1,624,222.00 | 155,259.95 | 600,398.42                        | 712,788.96    |             | 911,433.04              | .63           |
| TOTAL OVERHEAD                 |              | 489.75     | 4,036.62                          | 5,404.41      |             | 5,404.41                |               |
| TOTAL EXPENDITURES & ENCUMB    | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             | 906,028.63              | .44           |
| TOTAL REVENUE                  |              |            |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             |                         |               |

\* Subtract \$9,000 for the Holly Acres levee re-design.

ACTIVITY 601045 SALT GILA CONTROL APPRS  
 EXPDRE 501197-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1986 THRU JUNE 30, 1986

PAGE NUMBER 5811  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | ACTUAL REV / COST |              |              | ENCUMBRANCE  | UNENCUMBERED BALANCE | PCT. COMP.    |
|--------------------------------|--------|-------------------|--------------|--------------|--------------|----------------------|---------------|
|                                |        | PERIOD            | YEAR-TO-DATE | INCP-TO-DATE |              |                      |               |
| CAPITAL PROJECTS-OTHER         | 9450   |                   |              |              |              |                      |               |
| OPTION CODE BLANK              | ***    |                   |              |              |              |                      |               |
| STANDARD                       | 510    |                   |              |              | 85.58        |                      | 85.58-        |
| OTHER MISC REV                 | 3779   | 856,900.00        |              |              | 85.58        |                      | ,856,900.00   |
| LAND ACQUISITION-OTHER         | 7803   |                   |              |              |              |                      | 85.58-        |
| CONS WORK IN PROGRESS          | 7891   | 1,103,900.00      |              |              |              |                      | 1,103,900.00  |
| TOTAL TASK                     |        | 247,000.00        |              |              |              |                      | 247,000.00    |
| ADMINISTRATION                 | 010    |                   |              |              |              |                      |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 16,287.72    | 33,598.04    | 40,572.91    |                      | 40,572.91-    |
| REGULAR SALARIES               | 5011   |                   | 7,683.02     | 7,683.02     | 14,432.89    |                      | 14,432.89-    |
| ENGINEERING                    | 6447   |                   | 8,604.70     | 25,915.02    | 25,915.02    |                      | 25,915.02-    |
| OTHER PROFESSIONAL SERV        | 6468   |                   |              |              | 225.00       |                      | 225.00-       |
| TOTAL TASK                     |        |                   |              |              |              |                      |               |
| RIGHT OF WAY                   | 020    |                   |              |              |              |                      |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 9,680.47     | 134,982.18   | 158,044.20   |                      | 158,044.20-   |
| OTHER MISC REV                 | 3779   |                   |              | 105,318.46-  | 96,624.96-   |                      | 96,624.96-    |
| REGULAR SALARIES               | 5011   |                   | 5,666.53     | 5,666.53     | 11,330.75    |                      | 11,330.75-    |
| ATTORNEYS OTHER NON-COUNT      | 6431   |                   |              |              | 681.20       |                      | 681.20-       |
| TAXES & ASSESSMENTS            | 6269   |                   |              |              | 526.56       |                      | 526.56-       |
| LAND ACQUISITION-OTHER         | 7803   | 295,000.00-       | 4,013.94     | 23,997.19    | 48,880.73    |                      | 343,880.73-   |
| TOTAL TASK                     |        | 295,000.00-       |              |              |              |                      | 295,000.00-   |
| FACILITY RELOCATION            | 030    |                   |              |              |              |                      |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 272.58       | 272.58       | 1,137.54     |                      | 1,137.54-     |
| REGULAR SALARIES               | 5011   |                   | 272.58       | 272.58       | 1,137.54     |                      | 1,137.54-     |
| TOTAL TASK                     |        |                   |              |              |              |                      |               |
| CONSTRUCTION                   | 040    |                   |              |              |              |                      |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 234,504.03-  | 25,216.06-   | 722,290.82   |                      | 722,290.82-   |
| OTHER MISC REV                 | 3779   |                   | 94,755.13    | 499,198.26 / | 643,700.06   |                      | 643,700.06-   |
| REGULAR SALARIES               | 5011   |                   | 9,881.92     | 9,881.92     | 24,918.35    |                      | 24,918.35-    |
| ATTORNEYS OTHER NON-COUNT      | 6431   |                   | 25.00        | 25.00        | 25.00        |                      | 25.00-        |
| ENGINEERING                    | 6447   |                   | 1,085.50     | 1,085.50     | 6,085.50     |                      | 6,085.50-     |
| PUBLIST OF LEGAL NOTICES       | 6691   |                   |              | 12.40        | 21.70        |                      | 21.70-        |
| OTHER IMP O/T BUILDINGS        | 7829   | 702,000.00-       | 152,741.32-  | 462,977.38   | 1,334,940.33 |                      | 2,036,940.33- |
| TOTAL TASK                     |        | 702,000.00-       |              |              |              |                      | 702,000.00-   |
| ERROR                          | 111    |                   |              |              |              |                      |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   |              |              | 700.00       |                      | 700.00-       |
| OTHER PROFESSIONAL SERV        | 6468   |                   |              |              | 700.00       |                      | 700.00-       |
| TOTAL TASK                     |        |                   |              |              |              |                      |               |
| TOTAL OPTION                   |        | 750,000.00-       |              |              |              |                      | 750,000.00-   |
|                                | 999    |                   |              |              |              |                      |               |
|                                | 998    |                   |              |              |              |                      |               |

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ACTIVITY GC106S SALT GILA CONTROL WORKS  
 REPORT SC1077-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1987 THRU JUNE 48, 1987

PAGE NUMBER 5607  
 DATE RUN 08/20/87  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|--------------|--------------------------------|---------------|-------------|----------------------|------------|
| CAPITAL PROJECTS-OTHER 0450    |        |              |                                |               |             |                      |            |
| OPTION CODE BLANK              | ***    |              |                                |               |             |                      |            |
| STANDARD                       | STD    |              |                                |               |             |                      |            |
| ENGINEERING                    | 0991   | 8,684.72-    | 8,684.72-                      | 8,599.14-     |             | 8,599.14             |            |
| LAND ACQUISITION-OTHER         | 6447   | 8,684.72-    | 8,684.72-                      | 8,684.72-     |             | 8,684.72             |            |
|                                | 7803   |              |                                | 85.58         |             | 85.58-               |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| ADMINISTRATION 010             |        |              |                                |               |             |                      |            |
| TRANSFR FR FLOOD CONTROL       | 0991   | 10,273.91    | 10,273.91                      | 34,559.10     |             | 34,559.10-           |            |
| REGULAR SALARIES               | 5011   | 10,273.91    | 10,273.91                      | 17,023.78     |             | 17,023.78-           |            |
| ENGINEERING                    | 6447   |              |                                | 17,310.32     |             | 17,310.32-           |            |
| OTHER PROFESSIONAL SERV        | 6468   |              |                                | 225.00        |             | 225.00-              |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| RIGHT OF WAY 020               |        |              |                                |               |             |                      |            |
| TRANSFR FR FLOOD CONTROL       | 0991   | 22,430.12    | 28,461.70                      | 176,825.43    |             | 176,825.43-          |            |
| OTHER MISC REV                 | 3779   |              |                                | 96,128.51-    |             | 96,128.51-           |            |
| REGULAR SALARIES               | 5011   | 5,688.67     | 5,688.67                       | 11,352.89     |             | 11,352.89-           |            |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              |                                | 681.20        |             | 681.20-              |            |
| ENGINEERING                    | 6447   | 16,317.04    | 16,317.04                      | 16,317.04     |             | 16,317.04-           |            |
| INTEREST-OTHER                 | 6949   | 11.04        | 11.04                          | 11.04         |             | 11.04-               |            |
| TAXES & ASSESSMENTS            | 6969   |              |                                | 526.56        |             | 526.56-              |            |
| LAND ACQUISITION-OTHER         | 7803   | 413.37       | 6,444.95                       | 51,808.19     |             | 51,808.19-           |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| FACILITY RELOCATION 030        |        |              |                                |               |             |                      |            |
| TRANSFR FR FLOOD CONTROL       | 0991   | 9,311.42     | 9,311.42                       | 10,176.38     |             | 10,176.38-           |            |
| REGULAR SALARIES               | 5011   | 9,311.42     | 9,311.42                       | 10,176.38     |             | 10,176.38-           |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| CONSTRUCTION 040               |        |              |                                |               |             |                      |            |
| TRANSFR FR FLOOD CONTROL       | 0991   | 15,825.73    | 226,988.55                     | 1,185,783.40  |             | 1,185,783.40-        |            |
| OTHER MISC REV                 | 3779   | 15.50-       |                                | 396,203.61    |             | 396,203.61-          |            |
| REGULAR SALARIES               | 5011   | 15,810.23    | 15,810.23                      | 30,846.66     |             | 30,846.66-           |            |
| ENGINEERING                    | 6447   |              |                                | 5,000.00      |             | 5,000.00-            |            |
| PUBLISH OF LEGAL NOTICES       | 6691   |              |                                | 21.70         |             | 21.70-               |            |
| OTHER IMP O/T BUILDINGS        | 7829   |              | 211,178.32                     | 1,546,118.65  |             | 1,546,118.65-        |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| UNRELEASED FUNDS 101           |        |              |                                |               |             |                      |            |
| OTHER MISC REV                 | 3779   | 1,005,000.00 |                                |               |             | 1,005,000.00         |            |
| CONS WORK IN PROGRESS          | 7891   | 1,005,000.00 |                                |               |             | 1,005,000.00         |            |
| TOTAL TASK                     |        |              |                                |               |             |                      |            |
| ERROR 111                      |        |              |                                |               |             |                      |            |

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ACTIVITY 6A1055 SALT/GILA CRC-STANDARD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1989 THRU JUNE 48, 1989

PAGE NUMBER 4474  
 DATE RUN 08/19/89  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    | 2,100.00  | 2,100.00                          | 2,100.00      |             | 2,100.00-               |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 477.00    | 477.00                            | 477.00        |             | 477.00-                 |               |
| ENGINEERING                    | 6447   |           | 564.62                            | 564.62        |             | 564.62-                 |               |
| REG HRS DIRECT LABOR           | 9001   |           | 81.78                             | 81.78         |             | 81.78-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   |               |             |                         |               |
| TOTAL TASK                     |        | 2,577.00  | 3,223.40                          | 3,223.40      |             | 3,223.40-               |               |
| MAINTENANCE                    | 050    | 228.80    | 298.77                            | 298.77        |             | 298.77-                 |               |
| GROUNDS P&M SUPPLIES           | 6231   | 5,027.75  | 6,990.75                          | 6,990.75      |             | 6,990.75-               |               |
| AFCOR PERSONNEL SERVICES       | 6492   | 17,962.95 | 39,521.82                         | 39,521.82     |             | 39,521.82-              |               |
| OTHER RENTALS                  | 6659   | 8,198.01  | 113,825.03                        | 113,825.03    |             | 113,825.03-             |               |
| REG HRS DIRECT LABOR           | 9001   | 1,188.83  | 16,501.69                         | 16,501.69     |             | 16,501.69-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   |               |             |                         |               |
| TOTAL TASK                     |        | 32,606.34 | 177,138.06                        | 177,138.06    |             | 177,138.06-             |               |
| TOTAL OPTION                   |        | 35,183.34 | 180,361.46                        | 180,361.46    |             | 180,361.46-             |               |
| MGMT OPER & MAINT FCD R/W      | RWM    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           | 198.12                            | 198.12        |             | 198.12-                 |               |
| REG HRS DIRECT LABOR           | 9001   |           | 28.73                             | 28.73         |             | 28.73-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   |               |             |                         |               |
| TOTAL TASK                     |        |           | 226.85                            | 226.85        |             | 226.85-                 |               |
| TOTAL OPTION                   |        |           | 226.85                            | 226.85        |             | 226.85-                 |               |
| TOTAL PERFORMING ORG           |        | 35,183.34 | 180,588.31                        | 180,588.31    |             | 180,588.31-             |               |
| TOTAL LAFOR AND OTHER CHARGES  |        | 33,994.51 | 163,976.11                        | 163,976.11    |             | 163,976.11-             |               |
| TOTAL OVERHEAD                 |        | 1,188.83  | 16,612.20                         | 16,612.20     |             | 16,612.20-              |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 35,183.34 | 180,588.31                        | 180,588.31    |             | 180,588.31-             |               |
| TOTAL REVENUE                  |        | 35,183.34 | 180,588.31                        | 180,588.31    |             |                         |               |
| TOTAL NET ACTIVITY             |        |           |                                   |               |             |                         |               |

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ACTIVITY 6C1065 SALT GILA CONTROL WORKS  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1990 THRU JUNE 30, 1990

PAGE NUMBER 5235  
 DATE RUN 08/18/90  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CAPITAL PROJECTS-OTHER         | 0450   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| STANDARD                       | STD    |            |                                   |               |             |                         |               |
|                                | 0991   |            | 4,947,000.00                      |               | 8,599.14-   | 4,955,599.14            |               |
| ENGINEERING                    | 6447   |            |                                   |               | 8,684.72-   | 8,684.72                |               |
| LAND ACQUISITION-OTHER         | 7803   |            |                                   |               | 85.58       | 85.58-                  |               |
| CONS WORK IN PROGRESS          | 7891   |            | 4,947,000.00                      |               |             | 4,947,000.00            |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 6,860.30   | 12,869.07                         | 44,728.13     |             | 44,728.13-              |               |
| REGULAR SALARIES               | 5011   | 6,860.30   | 12,869.07                         | 25,797.21     |             | 25,797.21-              |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |            |                                   | 1,395.60      |             | 1,395.60-               |               |
| ENGINEERING                    | 6447   |            |                                   | 17,310.32     |             | 17,310.32-              |               |
| OTHER PROFESSIONAL SERV        | 6468   |            |                                   | 225.00        |             | 225.00-                 |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 399,216.38 | 2,026,550.87                      | 2,300,112.61  |             | 2,300,112.61-           |               |
| OTHER MISC REV                 | 3779   |            |                                   | 95,789.10-    |             | 95,789.10               |               |
| REGULAR SALARIES               | 5011   | 28,377.29  | 51,375.81                         | 104,556.46    |             | 104,556.46-             |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |            |                                   | 681.20        |             | 681.20-                 |               |
| ENGINEERING                    | 6447   | 12,200.00  | 12,200.00                         | 12,200.00     |             | 12,200.00-              |               |
| INTEREST-OTHER                 | 6949   |            |                                   | 11.04         |             | 11.04-                  |               |
| TAXES & ASSESSMENTS            | 6969   |            |                                   | 526.56        |             | 526.56-                 |               |
| LAND ACQUISITION-OTHER         | 7803   | 358,639.09 | 1,962,975.06                      | 2,086,348.25  |             | 2,086,348.25-           |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| FACILITY RELOCATION            | 030    |            |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 1,472.58   | 1,654.96                          | 4,198.47      |             | 4,198.47-               |               |
| REGULAR SALARIES               | 5011   | 1,472.58   | 1,654.96                          | 4,198.47      |             | 4,198.47-               |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| CONSTRUCTION                   | 040    |            |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 1,924.01-  | 666,093.23                        | 2,180,398.95  |             | 2,180,398.95-           |               |
| OTHER MISC REV                 | 3779   |            |                                   | 396,203.61    |             | 396,203.61-             |               |
| REGULAR SALARIES               | 5011   | 1,531.67   | 7,208.33                          | 22,643.56     |             | 22,643.56-              |               |
| ENGINEERING                    | 6447   | 3,455.68-  | 35,283.25                         | 74,840.00     |             | 74,840.00-              |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |            |                                   | 21.70         |             | 21.70-                  |               |
| OTHER IMP O/T BUILDINGS        | 7822   |            | 623,603.65                        | 2,479,097.30  |             | 2,479,097.30-           |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| ERROR                          | 111    |            |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   |            |                                   | 700.00        |             | 700.00-                 |               |
| OTHER PROFESSIONAL SERV        | 6468   |            |                                   | 700.00        |             | 700.00-                 |               |
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |

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ACTIVITY AC1045 SALT GILA CONTROL WORKS  
 REPORT 201007-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1991 THRU JUNE 30, 1991

PAGE NUMBER 5530  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/ACTIVITY/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|----------------------------------|--------|--------------|--------------------------------|---------------|-------------|----------------------|------------|
| CAPITAL PROJECTS-OTHER           | 0450   |              |                                |               |             |                      |            |
| OPTION CODE BLANK                | ***    |              |                                |               |             |                      |            |
| STANDARD                         | STD    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   | 90,929.04    | 90,929.04                      | 82,329.90     |             | 3,451,670.10         | .02        |
| ENGINEERING                      | 6447   |              |                                | 8,684.72      |             | 8,684.72             |            |
| LAND ACQUISITION-OTHER           | 7903   |              |                                | 85.58         |             | 85.58                |            |
| CONS WORK IN PROGRESS            | 7991   | 3,534,000.00 |                                |               |             | 3,534,000.00         |            |
| <b>TOTAL TASK</b>                |        | 90,929.04    | 90,929.04                      | 90,929.04     |             | 90,929.04            |            |
| ADMINISTRATION                   | 010    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   | 19,550.75    | 23,514.81                      | 68,242.94     |             | 68,242.94            |            |
| REGULAR SALARIES                 | 5011   | 17,476.25    | 21,440.31                      | 47,237.52     |             | 47,237.52            |            |
| ATTORNEYS OTHER NON-COUNT        | 6431   |              |                                | 1,395.60      |             | 1,395.60             |            |
| ENGINEERING                      | 6447   | 2,074.50     | 2,074.50                       | 19,384.82     |             | 19,384.82            |            |
| OTHER PROFESSIONAL SERV          | 6468   |              |                                | 225.00        |             | 225.00               |            |
| <b>TOTAL TASK</b>                |        |              |                                |               |             |                      |            |
| RIGHT OF WAY                     | 020    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   | 2,153,035.27 | 3,734,431.32                   | 6,034,543.93  |             | 6,034,543.93         |            |
| OTHER MISC REV                   | 3779   |              |                                | 95,789.10     |             | 95,789.10            |            |
| REGULAR SALARIES                 | 5011   | 21,121.39    | 35,525.94                      | 140,082.40    |             | 140,082.40           |            |
| ATTORNEYS OTHER NON-COUNT        | 6431   |              |                                | 681.20        |             | 681.20               |            |
| ENGINEERING                      | 6447   | 20,552.00    | 23,976.10                      | 36,176.10     |             | 36,176.10            |            |
| INTEREST-OTHER                   | 6949   |              | 2,535.71                       | 2,546.75      |             | 2,546.75             |            |
| TAXES & ASSESSMENTS              | 6969   |              |                                | 526.56        |             | 526.56               |            |
| LAND ACQUISITION-ROW             | 7902   | 13,099.75    | 13,099.75                      | 13,099.75     |             | 13,099.75            |            |
| LAND ACQUISITION-OTHER           | 7903   | 2,098,262.13 | 3,659,293.82                   | 5,745,642.07  |             | 5,745,642.07         |            |
| <b>TOTAL TASK</b>                |        |              |                                |               |             |                      |            |
| FACILITY RELOCATION              | 030    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   | 3,326.38     | 4,174.77                       | 8,373.24      |             | 8,373.24             |            |
| REGULAR SALARIES                 | 5011   | 3,326.38     | 4,174.77                       | 8,373.24      |             | 8,373.24             |            |
| <b>TOTAL TASK</b>                |        |              |                                |               |             |                      |            |
| CONSTRUCTION                     | 040    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   | 10,824.22    | 1,171,808.14                   | 3,352,207.09  |             | 3,352,207.09         |            |
| OTHER MISC REV                   | 3779   |              |                                | 396,203.61    |             | 396,203.61           |            |
| REGULAR SALARIES                 | 5011   | 6,330.02     | 6,845.09                       | 29,488.65     |             | 29,488.65            |            |
| ENGINEERING                      | 6447   | 4,494.20     | 71,370.00                      | 146,210.00    |             | 146,210.00           |            |
| PUBLISH OF LEGAL NOTICES         | 6691   |              |                                | 21.70         |             | 21.70                |            |
| OTHER IMP O/T BUILDINGS          | 7829   |              | 1,093,593.05                   | 3,572,690.35  |             | 3,572,690.35         |            |
| <b>TOTAL TASK</b>                |        |              |                                |               |             |                      |            |
| ERROR                            | 111    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL           | 0991   |              |                                | 700.00        |             | 700.00               |            |
| OTHER PROFESSIONAL SERV          | 6468   |              |                                | 700.00        |             | 700.00               |            |
| <b>TOTAL TASK</b>                |        |              |                                |               |             |                      |            |
| <b>TOTAL OFFICE</b>              |        | 90,929.04    | 90,929.04                      | 90,929.04     |             | 90,929.04            |            |

A-202

ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1992 THRU JUNE 30, 1992

PAGE NUMBER 6136  
 DATE RUN 08/21/92  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE         | BUDGET | PERIOD           | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE     | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|----------------------------------------|--------|------------------|--------------------------------|-------------------|-------------|----------------------|------------|
| FLOOD CONTROL                          | 6900   |                  |                                |                   |             |                      |            |
| OPTION CODE BLANK                      | MM     |                  |                                |                   |             |                      |            |
| ADMINISTRATION                         | 010    |                  |                                |                   |             |                      |            |
| FLOOD CONTROL LICENSES                 | 3161   |                  | 150.00                         | 150.00            |             | 150.00-              |            |
| ENGINEERING                            | 6447   | 391.88           | 391.88                         | 391.88            |             | 391.88-              |            |
| OTHER PROFESSIONAL SERV                | 6468   |                  | 1,500.00                       | 1,500.00          |             | 1,500.00-            |            |
| OTHER SERVICES                         | 6499   | 304.48           | 464.33                         | 464.33            |             | 464.33-              |            |
| REG HRS DIRECT LABOR                   | 9001   | 60.84            | 1,228.36                       | 1,228.36          |             | 1,228.36-            |            |
| DEPARTMENTAL OVERHEAD                  | 9012   | 8.84             | 178.25                         | 178.25            |             | 178.25-              |            |
| <b>TOTAL TASK</b>                      |        | <b>766.04</b>    | <b>3,612.82</b>                | <b>3,612.82</b>   |             | <b>3,612.82-</b>     |            |
| MAINTENANCE                            | 050    |                  |                                |                   |             |                      |            |
| GROUNDS R&M SUPPLIES                   | 6231   | 533.50           | 959.23                         | 959.23            |             | 959.23-              |            |
| ARCOR PERSONNEL SERVICES               | 6492   | 6,039.21         | 18,585.04                      | 18,585.04         |             | 18,585.04-           |            |
| OTHER RENTALS                          | 6659   | 37,423.36        | 37,423.36                      | 37,423.36         |             | 37,423.36-           |            |
| REFUSE REMOVAL                         | 6851   |                  | 2,662.13                       | 2,662.13          |             | 2,662.13-            |            |
| REG HRS DIRECT LABOR                   | 9001   | 8,127.00         | 187,387.86                     | 187,387.86        |             | 187,387.86-          |            |
| DEPARTMENTAL OVERHEAD                  | 9012   | 1,322.90         | 27,617.14                      | 27,617.14         |             | 27,617.14-           |            |
| <b>TOTAL TASK</b>                      |        | <b>53,445.97</b> | <b>274,634.78</b>              | <b>274,634.78</b> |             | <b>274,634.78-</b>   |            |
| <b>TOTAL OPTION</b>                    |        | <b>54,212.01</b> | <b>278,247.60</b>              | <b>278,247.60</b> |             | <b>278,247.60-</b>   |            |
| RENTAL PROGRAM                         | RMM    |                  |                                |                   |             |                      |            |
| MAINTENANCE                            | 050    |                  |                                |                   |             |                      |            |
| REG HRS DIRECT LABOR                   | 9001   |                  | 710.64                         | 710.64            |             | 710.64-              |            |
| DEPARTMENTAL OVERHEAD                  | 9012   |                  | 103.14                         | 103.14            |             | 103.14-              |            |
| <b>TOTAL TASK</b>                      |        |                  | <b>813.78</b>                  | <b>813.78</b>     |             | <b>813.78-</b>       |            |
| <b>TOTAL OPTION</b>                    |        |                  | <b>813.78</b>                  | <b>813.78</b>     |             | <b>813.78-</b>       |            |
| <b>TOTAL PERFORMING ORG</b>            |        | <b>54,212.01</b> | <b>279,061.38</b>              | <b>279,061.38</b> |             | <b>279,061.38-</b>   |            |
| <b>TOTAL LABOR AND OTHER CHARGES</b>   |        | <b>52,880.27</b> | <b>251,312.83</b>              | <b>251,312.83</b> |             | <b>251,312.83-</b>   |            |
| <b>TOTAL OVERHEAD</b>                  |        | <b>1,331.74</b>  | <b>27,898.55</b>               | <b>27,898.55</b>  |             | <b>27,898.55-</b>    |            |
| <b>TOTAL EXPENDITURES &amp; ENCLMB</b> |        | <b>54,212.01</b> | <b>279,211.38</b>              | <b>279,211.38</b> |             | <b>279,211.38-</b>   |            |
| <b>TOTAL REVENUE</b>                   |        |                  | <b>150.00</b>                  | <b>150.00</b>     |             | <b>150.00-</b>       |            |
| <b>TOTAL NET ACTIVITY</b>              |        | <b>54,212.01</b> | <b>279,061.38</b>              | <b>279,061.38</b> |             | <b>279,061.38-</b>   |            |

A-203

ACTIVITY 6A1065 SALT/GILA CONT WRK-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1993 THRU JUNE 30, 1993

PAGE NUMBER 5585  
 DATE RUN 08/20/93  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD   | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| ADMINISTRATION 010             |        |          |                                   |               |             |                         |               |
| ENGINEERING 6447               |        | 3,518.14 | 3,518.14                          | 3,518.14      |             | 3,518.14-               |               |
| REG HRS DIRECT LABOR 9001      |        | 1,567.83 | 2,251.78                          | 2,251.78      |             | 2,251.78-               |               |
| INDIRECT LABOR 9011            |        | 227.08   | 326.22                            | 326.22        |             | 326.22-                 |               |
| TOTAL TASK                     |        | 5,313.05 | 6,096.14                          | 6,096.14      |             | 6,096.14-               |               |
| TOTAL OPTION                   |        | 5,313.05 | 6,096.14                          | 6,096.14      |             | 6,096.14-               |               |
| PROJECT MANAGEMENT PPM         |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010             |        |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001      |        | 837.00   | 954.18                            | 954.18        |             | 954.18-                 |               |
| INDIRECT LABOR 9011            |        | 121.50   | 138.51                            | 138.51        |             | 138.51-                 |               |
| TOTAL TASK                     |        | 958.50   | 1,092.69                          | 1,092.69      |             | 1,092.69-               |               |
| TOTAL OPTION                   |        | 958.50   | 1,092.69                          | 1,092.69      |             | 1,092.69-               |               |
| TOTAL PERFORMING ORG           |        | 6,271.55 | 7,188.83                          | 7,188.83      |             | 7,188.83-               |               |
| PROPERTY MANAGEMENT 6941       |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK ***          |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010             |        |          |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT 6431 |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| TOTAL TASK                     |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| TOTAL OPTION                   |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| TOTAL PERFORMING ORG           |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| PLANNING 6961                  |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK ***          |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010             |        |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001      |        | 372.08   | 5,647.68                          | 5,647.68      |             | 5,647.68-               |               |
| INDIRECT LABOR 9011            |        | 53.99    | 819.44                            | 819.44        |             | 819.44-                 |               |
| TOTAL TASK                     |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| TOTAL OPTION                   |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| TOTAL PERFORMING ORG           |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| PROJECT MANAGEMENT 6971        |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK ***          |        |          |                                   |               |             |                         |               |
| STANDARD STD                   |        |          |                                   |               |             |                         |               |
| TRNSFR CAP PROJECT OTH FD 0450 |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL TASK                     |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL OPTION                   |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL PERFORMING ORG           |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| ADMINISTRATION 6984            |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK ***          |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010             |        |          |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV 6468   |        | 8,813.50 | 8,813.50                          | 8,813.50      |             | 8,813.50-               |               |

A-204

BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:

The recently completed Salt/Gila Interim Flood Control Works study (FCD 80-9) identified as feasible two flood control structures, one in the vicinity of Perryville Road, the other in the vicinity of 115th Avenue (Holly Acres). It is proposed that the preliminary designs prepared by the study effort be developed into final designs and construction drawings and specifications be prepared. The Flood Control District staff has selected the firm of Camp, Dresser and McKee, Phoenix, Arizona to perform this work because of their familiarity with all of the details since they performed the study. This selection will result in considerable savings in both time and money. Negotiations have been completed for a total fee of \$68,000.

It is requested that the Chairman of the Board of Directors sign all four copies of Contract FCD 82-9 and return two copies to the Flood Control District.

**MOTION:** IT IS MOVED THAT THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BOARD OF DIRECTORS award Contract FCD 82-9 for engineer services to Camp, Dresser and McKee, Inc., Cambridge Court, 2701 North 16th Street, Phoenix, Arizona in the amount of \$68,000.

**FINANCIAL:**  BUDGETED  CONTINGENCY  BUDGET AMENDMENT  TRANSFER  GRANT OR OTHER

\$68,000.00 Flood Control - 991  
 TOTAL COST FUND

Jed C. Nix 3-03-82  
 FINANCIAL OFFICER DATE

**PERSONNEL:**

PERSONNEL DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

**OFFICE OF MANAGEMENT ANALYSIS**

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_

**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

[Signature] 2-25-82  
 GENERAL COUNSEL DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

[Signature] 2-23-82  
 ACTION RECOMMENDED BY DATE

APPROVED FOR AGENDA  
[Signature] 3-3-82  
 APPROVING OFFICIAL DATE

**BOARD OF DIRECTORS**

ACTION TAKEN  APPROVED  DISAPPROVED  CONTINUED TO \_\_\_\_\_

DATE \_\_\_\_\_

CLERK OF THE BOARD [Signature]



FLOOD CONTROL DISTRICT of Maricopa County

Interoffice Memorandum

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                              |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| CMT<br>NO | SUBJECT Contract Negotiations with Camp, Dresser & McKee<br>for Salt/Gila Interim Control Works Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> FILE <u>LG 1.2.5</u><br><input type="checkbox"/> DESTROY |
|           | TO <del>M. Cuneo</del> <i>MJC.</i><br><del>L. Lewis</del><br><del>N. Karan</del> <i>NPK</i><br><del>D. Sagramoso</del><br><del>W. Mathews</del> <i>WMA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FROM R. Perreault<br>DATE February 9, 1982                                                   |
|           | <ol style="list-style-type: none"><li>1. On February 4, 1982, Nick Karan and Richard Perreault met with Roger Fry (CDM) to negotiate a contract for the design of the bank stabilization project near Perryville Road and the north bank levee near Holly Acres. CDM had sent us their proposed Scope of Work on January 8, 1982 and their unit cost for labor on January 18, 1982.</li><li>2. Each task of the Scope of Work was discussed in detail and an appropriate fee estimate was decided upon. Originally CDM had estimated \$28,300 for the Perryville project design and \$47,600 for the Holly Acres design. The negotiated totals were \$21,300 for Perryville and \$37,700 for Holly Acres; therefore, the contract amount will be \$59,000. We agreed that a FCD backhoe will be used for soils investigation pits at Perryville and Holly Acres.</li><li>3. Based on our discussions, CDM will re-write the Scope of Work, time schedule and budget and re-submit them to us. We should have contract approval in March 1982.</li></ol> |                                                                                              |
|           | <p><i>Dick</i><br/>Dick Perreault<br/>RGP/CAQ</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                              |

# CDM

environmental engineers, scientists,  
planners, & management consultants

CAMP DRESSER & MCKEE INC.

Cambridge Court  
2701 North 16th Street  
Phoenix, Arizona 85016  
602 277-9964

Jeffrey K. Kracht  
Arizona P. E. 8242

February 9, 1982

Mr. Richard G. Perreault  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, AZ 85009

## Gila River Flood Control Measures Perryville and Holly Acres

Dear Dick:

As a result of our negotiations on February 4, we have prepared the mutually agreed upon scope of work, schedule, budget, and list of products for the design of bank stabilization measures for the Perryville and Holly Acres areas along the Gila River.

It is our understanding that the District's standard two-page contract will be used, and that the enclosed items will be attachments to the contract.

Please call Jeff Kracht or me if you have any questions about the enclosed items. We are looking forward to starting work as per the schedule.

Very truly yours,

CAMP DRESSER & MCKEE INC.

*Roger G. Fry*  
Roger G. Fry  
Associate

RGF/jah

Enclosures: As Noted

CC: Jeff Kracht

**FLOOD CONTROL DISTRICT  
RECEIVED**

**FEB 10 '82**

|              |         |
|--------------|---------|
| 5-411-10-10  | HYDRO   |
| 2/4/82       | LMgt    |
| ADMIN        | SUSP    |
| 0-3 C-8-0-16 | FILE    |
| FINANCE      | DESTROY |
| REMARKS      |         |

## EXHIBIT "A" to Contract FCD 82-9

## SCOPE OF WORK

Task 1 - Review Data

A review will be made of CDM's August 1981 Final Reports and supporting data for the Perryville and Holly Acres areas. All relevant new data available from the District will be collected. An aerial photograph of the locations of the stabilization projects will be obtained.

Task 2 - Conduct Site Inspection

A site inspection will be conducted with representatives of the District, property owners, and local groups. The preliminary alignment of the proposed bank stabilization projects will be marked, and ground level photographs and notes will be taken to document existing conditions.

In connection with this task and the other seven tasks, CDM will participate in one meeting with property owners or local groups from the Perryville area, and in two meetings with property owners or local groups from the Holly Acres area.

Task 3 - Perform Field Surveys

A topographic survey will be performed of the existing ground conditions at the location of the proposed bank stabilization projects. The survey will consist of cross-sections every 100 feet.

The location of all property lines along the alignment of the proposed projects will be determined. Utility lines and other facilities will also be located. The location of property lines, utilities, and other facilities will be based upon existing fence lines and information from property owners; precise property line surveys will not be performed.

Task 4 - Obtain Soil Borings

Soil borings to a depth of approximately 10 feet below the bed of the Gila River will be made at a spacing of 400 to 500 feet along the alignment of the proposed projects.

At one location in the Perryville area, and at four locations in the Holly Acres area, test holes will be excavated by a backhoe, and the materials encountered will be logged. Backhoe and operator will be provided by the District at no cost to CDM.

Task 5 - Prepare Preliminary Design

A preliminary design of bank stabilization measures will be prepared. Figure 1 shows the location of improvements for the Perryville area, which begin at approximately 1000+00 and end at approximately 1020+00. In preparing the design for the Holly Acres area, the three potential alignments shown on Figure 2 will be considered and the most appropriate alignment will be determined. The improvements will begin at approximately 973+50 and end at 1015+50 or further east. The preliminary design will be based upon the information from Tasks 1 through 4.

At locations where the bank stabilization intersects existing roads or other improvements, the bank stabilization will be designed to conform to the roads or other improvements. The roads or other improvements will not be re-located or re-designed.

Task 6 - Review with District

CDM will meet with the District after the District's staff has reviewed and commented upon the preliminary designs. At the meeting the District and CDM will jointly decide upon changes and/or modifications that should be incorporated in the final design.

Task 7 - Prepare Final Design

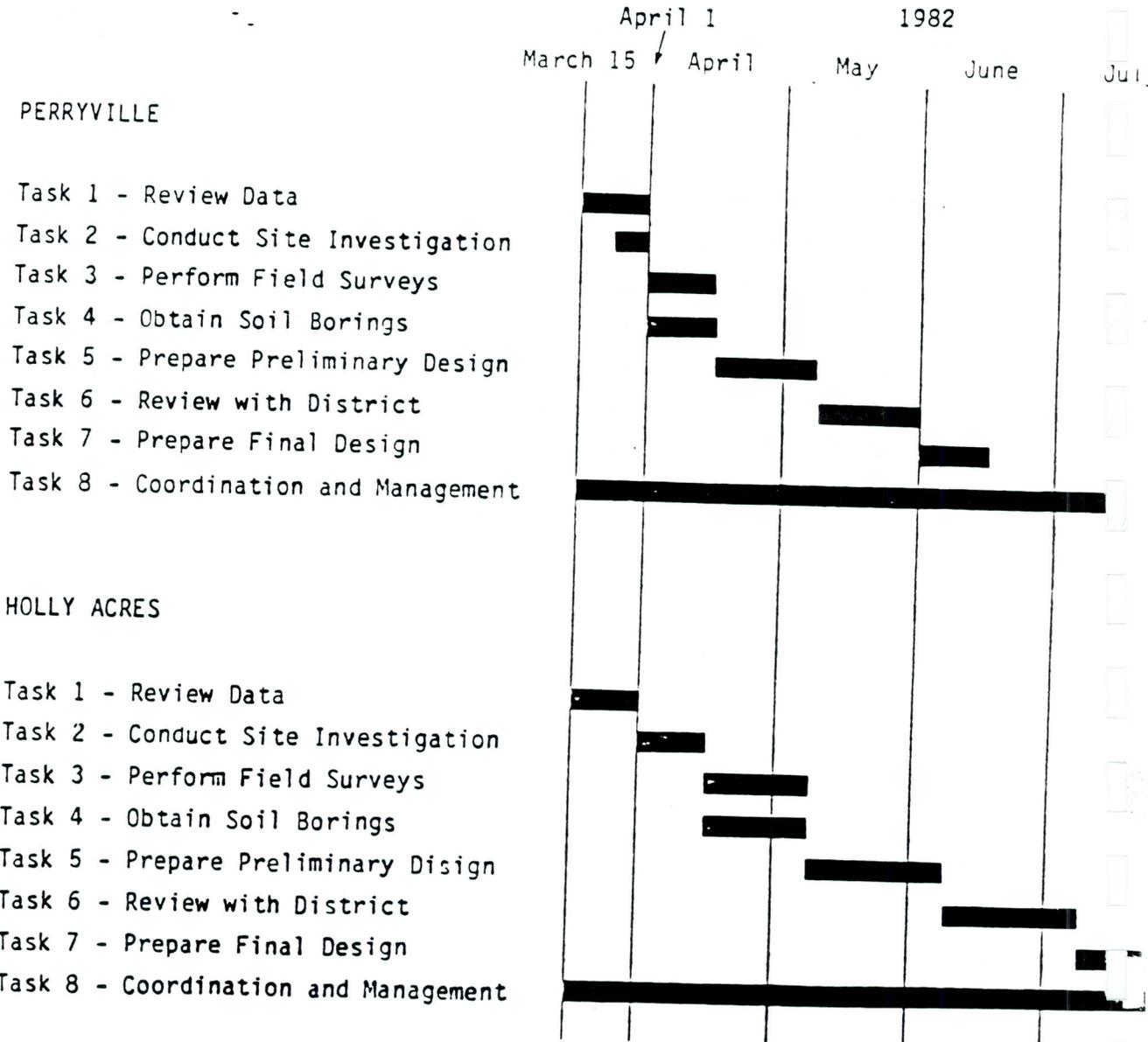
Utilizing the information from Task 6, prepare the final design of the bank stabilization measures, including construction cost estimates.

Task 8 - Coordination and Management

Coordination with the District will be provided throughout the period of work. CDM will participate in a milestone meeting once each month. At these milestone meetings CDM will report the activities of the past month, describe forthcoming activities, exchange information with, and receive guidance from, the District. Management of the CDM staff, the surveying subcontractor and the soils subcontractor will be performed for the entire period of work.

EXHIBIT "A" to Contract FCD 82-9

SCHEDULE



## EXHIBIT "A" to Contract FCD 82-9

## ESTIMATED BUDGET

| <u>Task</u>                        | <u>Perryville<br/>Amount</u> | <u>Holly Acres<br/>Amount</u> |
|------------------------------------|------------------------------|-------------------------------|
| 1 Review Data                      | \$ 810                       | \$ 1,020                      |
| 2 Conduct Site Investigation       | 1,440                        | 2,520                         |
| 3 Perform Field Surveys            | 1,260                        | 2,040                         |
| 4 Obtain Soil Borings              | 480                          | 960                           |
| 5 Prepare Preliminary Design       | 5,140                        | 9,240                         |
| 6 Review with District             | 600                          | 960                           |
| 7 Prepare Final Design             | 3,660                        | 5,250                         |
| 8 Coordination and Management      | <u>1,610</u>                 | <u>2,010</u>                  |
| TOTAL, LABOR                       | \$15,000                     | \$24,000                      |
| <br><u>Expenses</u>                |                              |                               |
| Travel                             | \$ 400                       | \$ 400                        |
| Photographs and Printing           | 400                          | 600                           |
| Telephone, Misc.                   | <u>200</u>                   | <u>200</u>                    |
| TOTAL, EXPENSES                    | \$ 1,000                     | \$ 1,200                      |
| <br><u>Summary</u>                 |                              |                               |
| Labor                              | \$15,000                     | \$24,000                      |
| Expenses                           | 1,000                        | 1,200                         |
| Surveyor - Subcontractors          | 3,300                        | 6,700                         |
| Soils/Geotechnical - Subcontractor | <u>2,000</u>                 | <u>5,800</u>                  |
| TOTAL                              | \$21,300                     | \$37,700                      |

EXHIBIT "A" to Contract FCD 82-9

PRODUCTS TO BE PREPARED BY CDM

| <u>Task</u> | <u>Product</u>                                                                                                                                                                                                                                                                                                                                             |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | a. Aerial photograph 1" = 200 feet                                                                                                                                                                                                                                                                                                                         |
| 2           | a. Ground-level photographs<br>b. Field notes                                                                                                                                                                                                                                                                                                              |
| 3           | a. Cross-section locations on aerial photographs<br>b. Cross-section drawings<br>c. Property line locations on aerial photographs<br>d. Utility line locations on aerial photographs                                                                                                                                                                       |
| 4           | a. Soil boring logs                                                                                                                                                                                                                                                                                                                                        |
| 5           | a. Preliminary construction plans (Perryville: six copies, Holly Acres: eight copies)                                                                                                                                                                                                                                                                      |
| 6           | None                                                                                                                                                                                                                                                                                                                                                       |
| 7           | a. Final construction plans (originals will be given to District)<br>b. Draft of special provision to supplement Maricopa Association of Governments' Uniform Standard Specifications (two copies)<br>c. Right-of-way drawings 1" = 200 feet. (originals will be given to District)<br>d. Quantities and engineers construction cost estimate (two copies) |
| 8           | None                                                                                                                                                                                                                                                                                                                                                       |

CONTRACT FOR ENGINEERING SERVICES

CONTRACT FCD 82-9

WHEREAS, the Flood Control District of Maricopa County, Arizona, hereinafter called the DISTRICT, is desirous of having certain professional engineering services performed in connection with designing two flood control structures in the Salt and Gila Rivers;

WHEREAS, Camp, Dresser and McKee, Inc., Cambridge Court, 2701 North 16th Street, Phoenix, Arizona 85016, hereinafter called the ENGINEER, is desirous of performing said services;

NOW, THEREFORE, the parties hereto mutually agree as follows:

The ENGINEER shall provide professional engineering services for designing two flood control structures in the Salt and Gila Rivers; one in the vicinity of Perryville Road and another in the vicinity of 115th Avenue (Holly Acres) in accordance with the attached Scope of Work, entitled Exhibit "A" dated February 9, 1982, and made a part hereof.

The fee for this contract is \$68,000, payable upon completion of the work as accepted by the DISTRICT, except that progress payments may be made on certification by the ENGINEER, and approved by the Chief Engineer and General Manager of the Flood Control District, on ninety percent (90%) of the work completed at the time of request for progress payment.

Whenever an alteration in the character of work results in a substantial change in the nature of the design, thereby materially increasing or decreasing the cost of the performance, the work will be performed in accordance with the contract and as directed; provided, however, that before such work is started, a contract change order or supplemental agreement shall be executed by the DISTRICT and the ENGINEER, such change order not to be effective until approved by the DISTRICT. Additions to, modifications, or deletions from the project provided herein may be made and the compensation to be paid to the ENGINEER may be adjusted accordingly by mutual agreement of the contracting parties. It is distinctly understood and agreed that no claim for extra work done or materials furnished by the ENGINEER will be allowed by the DISTRICT except as provided herein, nor shall the ENGINEER do any work or furnish any materials not covered by this agreement unless such work is first authorized in writing. Any such work or materials furnished by the ENGINEER without such written authorization first being given shall be at his own risk, cost, and expense, and he hereby agrees that without such written authorization he will make no claim for compensation for such work or materials furnished.

All documents, including original drawings, estimates, specifications, field notes and data are and remain the property of the DISTRICT. The ENGINEER may retain a set of reproducible record prints of drawings and copies of other documents.

The amount of \$59,000 is authorized to perform the Scope of Work described in Exhibit "A". An additional amount of \$9,000 is provided for additional work related to this contract. The ENGINEER shall provide the DISTRICT with a supplemental Scope of Work for any additional work. Additional work performed by the ENGINEER will be paid according to the schedule shown in EXHIBIT "A" but only upon written approval of the DISTRICT's Chief Engineer and General Manager.

DISTRICT may terminate this Contract at any time upon reimbursement to the ENGINEER of expenses which include reasonable charges for time and material.

ENGINEER may terminate this Contract in the event of nonpayment of fees as specified herein.

This Contract shall not be assigned by either party without prior written approval of the other except that ENGINEER may utilize in the performance of this Contract without prior approval of the DISTRICT, personnel or services of its related entities and affiliated companies as if they were an integral part of ENGINEER.

IN WITNESS WHEREOF, the parties herein have executed this contract in duplicate.

ENGINEER

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY,  
ARIZONA

DEEVUSO

By: [Signature]  
Chairman, Board of Directors

Date: 2-26-82

Date: MAR 29 1982

RECOMMENDED BY:

ATTEST:

[Signature]  
Chief Engineer and General Manager,  
DISTRICT

[Signature]  
Clerk of the Board

Date: 2-24-82

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.

[Signature]  
General Counsel, DISTRICT

Date: 2-25-82

NO KICK-BACK CERTIFICATION

The ENGINEER warrants that no person has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee; and that no member of the Board of Directors of the Flood Control District of Maricopa County, Arizona, or any employee of the Flood Control District of Maricopa County, has any interest, financially or otherwise, in the Consulting Engineering firm.

For breach or violation of this warranty, the Flood Control District of Maricopa County, Arizona, shall have the right to annul this contract without liability, or at its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

Signed: DEEVUSO

Date: 2-26-82

Distribution:

Board of Directors  
Consulting Engineer  
Flood Control District Files

FLOOD CONTROL  
DISTRICT

MARICOPA  
COUNTY  
1982

APR 05 1982

Camp Dresser & McKee Inc.  
Cambridge Court  
2701 North 16th Street  
Phoenix, Arizona 85016

Attn: Mr. D. E. Evenson

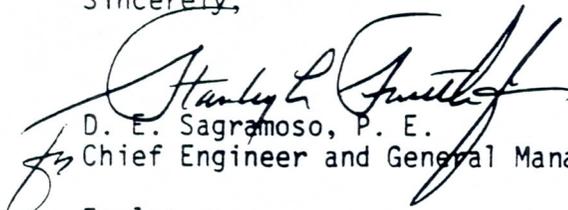
Re: FCD Contract 82-9, Design of Structures for Interim Control  
Works, Salt/Gila River

Dear Mr. Evenson:

The Board of Directors of the Flood Control District on March 29, 1982 awarded FCD Contract 82-9 to your firm to design two flood control structures in the Salt/Gila River. A signed copy of the contract is attached for your files.

You are hereby given Notice to Proceed with the work in accordance with subject contract. Please acknowledge receipt of this notice by signing and dating in the spaces provided and return the duplicate to this office.

Sincerely,

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

Enclosures

Acknowledged by DEEVENSON Vice President  
Name and Title

Date April 6, 1982

# FLOOD CONTROL DISTRICT

FLOOD CONTROL DISTRICT  
of  
MARICOPA COUNTY  
1959

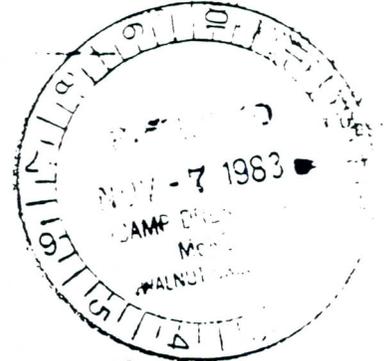
MONTROSE

FLOOD CONTROL DISTRICT  
RECEIVED

NOV 17 '83

November 1, 1983

|         |         |
|---------|---------|
| CH ENG  | HYDRO   |
| ASST    | LMgt    |
| ALMIN   | SI SP   |
| C & O   | FILE    |
| APPL 3  | DESTROY |
| FINANCE | 1/10/83 |
| REMARKS | 6       |



File 4612.5

Camp, Dresser & McKee Inc.  
710 South Broadway, Suite 201  
Walnut Creek, California 94596

ATTN: Mr. Roger G. Fry

RE: Final payment for Contract FCD 82-9

Dear Roger:

Enclosed are two copies of the Release of Claims for Contract FCD 82-9, Design of Structures for Interim Control Works, Salt/Gila River. We are processing your final Invoice No. 83-373, dated October 20, 1983.

Please sign and date the Release of Claims Form and return it to us as soon as possible. The final payment warrant should be available in about two weeks.

Sincerely,

Richard G. Perreault  
Project Engineer

Enclosures

Dick

Enclosed are the two signed and dated "Release of Claims" forms.

- Roger

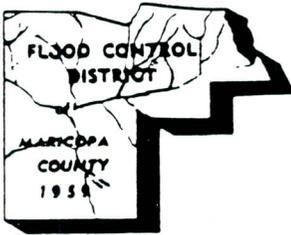
Nov. 14, 1983



# FLOOD CONTROL DISTRICT of Maricopa County

## Interoffice Memorandum

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                  |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| CMT. NO. | SUBJECT: Holly Acres Levee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> FILE <u>LG 1.25</u><br><input type="checkbox"/> DESTROY |
|          | <p data-bbox="219 443 1169 504">TO: Memo for the Record      FROM: Dick Perreault      DATE: October 6, 1983</p> <p data-bbox="235 619 1209 703">The following is a brief chronology of events concerning the development of the Holly Acres Levee Project:</p> <ol data-bbox="235 745 1380 1764" style="list-style-type: none"><li>1. October 1980 - Signed contract FCD 80-9 with Camp, Dresser &amp; McKee to develop alternative flood control measures for the Holly Acres area and other locations along the Gila River.</li><li>2. January 1981 - Received draft Holly Acres report covering various alternatives for flood control of the area.</li><li>3. February-July 1981 - Draft report reviewed by various agencies and local residents. Additional alternatives developed at the request of the Holly Acres Flood Control Association.</li><li>4. August 1981 - Final Holly Acres report published by Camp, Dresser and McKee. The report contained nine alternatives that were considered.</li><li>5. February 1982 - Signed contract FCD 83-9 with Camp, Dresser and McKee to develop plans and specifications for the Perryville vicinity and Holly Acres project.</li><li>6. November 1982 - Reviewed preliminary design for Perryville Bank Stabilization Project. The decision was made to bid the Perryville project first to develop up-to-date cost data before finalizing the Holly Acres design. Periodic river flows for the next five months.</li><li>7. February 1983 - Received preliminary plans and crosssections for the Holly Acres project from Camp, Dresser and McKee.</li><li>8. March 1983 - Flood Control District staff comments on the Holly Acres plans and specifications were returned to Camp, Dresser and McKee.</li></ol> |                                                                                  |



FLOOD CONTROL DISTRICT of Maricopa County

Interoffice Memorandum

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|
| CMT. NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SUBJECT: Holly Acres<br>Page 2 | <input type="checkbox"/> FILE <u>LG 1.25</u><br><input type="checkbox"/> DESTROY |
| TO: _____ FROM: _____ DATE: October 6, 1983                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                                                                                  |
| <p>9. April 1983 - Perryville Project Bid Summary was sent to Camp, Dresser and McKee for their use in developing to Engineer's estimate.</p> <p>10. May 1983 - Senate Bill 1394 restored funding for the construction of the Holly Acres project.</p> <p>11. June 1983 - Resolution FCD 83-6 signed by the Chairman of the Board of Directors authorizing the Flood Control District to advertise for bids and to cost share the project with the Department of Water Resources.</p> <p>12. August 1983 - Received final plans and specifications for the Holly Acres project from Camp, Dresser and McKee. Appraiser hired to appraise the required project rights-of-way. Meeting held with the Holly Acres residents that would be affected by the project.</p> <p>13. September 1983 - received rights-of-way appraisals. Sent to Maricopa County Highway Department for review.</p> <p>14. October 1983 - damaging river flows experienced in vicinity of the project. At present, the appraisals are still being reviewed. <i>REVIEW COMPLETED 10/7, ACQUISITION REQUESTED TO MCHD 10/12</i></p> |                                |                                                                                  |
| <p><i>Dick Perreault</i><br/>         Dick Perreault<br/>         Project Engineer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |                                                                                  |
| <p>DP/gl</p> <p>Info: <del>NPK</del> <i>[Signature]</i><br/> <del>JEB</del><br/> <del>RJM</del> <i>[Signature]</i><br/> <del>EOK</del><br/> <del>SLS</del> <i>[Signature]</i><br/> <del>DES</del> <i>[Signature]</i></p> <p style="text-align: center;">A-219</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                                                  |

FLOOD CONTROL DISTRICT  
MARICOPA COUNTY  
1959

# FLOOD CONTROL DISTRICT

of  
Maricopa County

3335 West Durango Street • Phoenix, Arizona 85009  
Telephone (602) 262-1501

BOARD of DIRECTORS  
Fred Koory, Jr., Chairman  
Hawley Atkinson  
George L. Campbell  
Tom Freestone  
Ed Pastor

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

MAR 22 1984

Camp Dresser & McKee, Inc.  
710 South Broadway, Suite 201  
Walnut Creek, California 94956

Attn: Mr. Roger Fry

Re: FCD Contract 84-3, Design Revisions for the  
Holly Acres Bank Stabilization

Dear Mr. Fry:

The Board of Directors of the Flood Control District on March 12, 1984 awarded FCD Contract 84-3 to your firm to revise the design of the Holly Acres Bank Stabilization. A signed copy of the contract is attached for your files.

You are hereby given Notice to Proceed with the work in accordance with subject contract. Please acknowledge receipt of this notice by having Mr. Monk sign and date in the spaces provided and return the duplicate to this office.

Sincerely,

D. E. Sagramoso, P. E.

Enclosures

*[Signature]*  
PERREULT/Loving  
3/21

Acknowledged: \_\_\_\_\_  
Name and Title

Date \_\_\_\_\_

Co: SLS *[Signature]* Info: NPK *[Signature]* File LG 1.2.5  
EOL *[Signature]*  
MJC

# CDM

environmental engineers, scientists,  
planners, & management consultants

CAMP DRESSER & McKEE

710 South Broadway, Suite 201  
Walnut Creek, California 94596  
415 933-2900

May 17, 1984

Mr. Richard G. Perreault  
Flood Control District of Maricopa County  
3335 West Durango Street  
Phoenix, AZ 85009

## Gila River Flood Control Measures Holly Acres Revisions

Dear Dick:

We have completed the design revisions for the bank stabilization measures at the Holly Acres area as per Contract FCD 84-3. Enclosed are the original drawings showing the re-design, and revised specifications. Note that only those pages of the specifications that we have revised are enclosed; please use the pages previously prepared to complete the specifications and bid documents.

We appreciate the opportunity to perform this additional design work, and are available to assist the District on other projects.

Respectfully submitted,

CAMP DRESSER & McKEE INC.

*Roger G. Fry*  
Roger G. Fry  
Associate

RGF/af

Enclosures: As noted

**MARICOPA COUNTY FLOOD CONTROL DISTRICT  
RECEIVED**

MAY 21 1984

|         |         |         |
|---------|---------|---------|
| 5       | CH ENG  | HYDRO   |
| 3       | RES     | LMPT    |
|         | ADMIN   | SUPT    |
| 2       | EDK     | FI      |
|         | FINANCE | DESTROY |
|         | 2       | 5/21    |
| REMARKS |         |         |

<G1.2.5

ACTIVITY 601055 SALT/GILA CLEARING CH-SID  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1981 THRU JUNE 30, 1981

PAGE NUMBER 4630  
 DATE RUN 12/25/81  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST |               | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|--------------|-------------------|---------------|-------------|----------------------|------------|
|                                |        |              | YEAR-TO-DATE      | INCEP-TO-DATE |             |                      |            |
| FLOOD CONTROL                  | 6900   |              |                   |               |             |                      |            |
| OPTION CODE BLANK              | ***    |              |                   |               |             |                      |            |
| ADMINISTRATION                 | 010    |              |                   | 285.00        | 285.00      | 285.00-              |            |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              |                   | 38,442.50     | 38,442.50   | 213,067.50           | .15        |
| ENGINEERING                    | 6447   | 251,510.00   | 4,806.50          | 30.00         | 30.00       | 30.00-               |            |
| PRINTING-BINDING-DUPLIC        | 6687   |              |                   | 21,544.82     | 21,544.82   | 9,349.82-            | 1.76       |
| REG HRS DIRECT LABOR           | 9001   | 12,195.00    | 1,314.57          | 3,128.87      | 3,128.87    | 1,058.87-            | 1.51,      |
| DEPARTMENTAL OVERHEAD          | 9012   | 2,070.00     | 190.61            |               |             |                      |            |
| TOTAL TASK                     |        | 265,775.00   | 6,311.68          | 63,431.19     | 63,431.19   | 202,343.81           | .23        |
| RIGHT OF WAY                   | 020    |              |                   | 5,358.00      | 5,358.00    | 5,358.00-            |            |
| LAND ACQUISITION-OTHER         | 7803   |              |                   | 3,312.44      | 3,312.44    | 872.44-              | 1.35       |
| REG HRS DIRECT LABOR           | 9001   | 2,440.00     | 1,024.68          | 481.01        | 481.01      | 66.01-               | 1.15       |
| DEPARTMENTAL OVERHEAD          | 9012   | 415.00       | 148.93            |               |             |                      |            |
| TOTAL TASK                     |        | 2,855.00     | 1,173.61          | 9,151.45      | 9,151.45    | 6,296.45-            | 3.20       |
| FACILITY RELOCATIONS           | 030    |              |                   | 2,638.63      | 2,638.63    | 2,638.63-            |            |
| REG HRS DIRECT LABOR           | 9001   |              |                   | 382.08        | 382.08      | 382.08-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   |              |                   |               |             |                      |            |
| TOTAL TASK                     |        |              |                   | 3,020.71      | 3,020.71    | 3,020.71-            |            |
| CONSTRUCTION                   | 040    |              |                   |               |             | 885,658.25           |            |
| OTHER IMP U/T BUILDINGS        | 7829   | 885,658.25   |                   | 13,469.19     | 13,469.19   | 11,029.19-           | 5.52       |
| REG HRS DIRECT LABOR           | 9001   | 2,440.00     |                   | 37.98         | 37.98       | 37.98-               |            |
| OVERTIME DIRECT LABOR          | 9002   |              |                   | 1,957.42      | 1,957.42    | 1,547.42-            | 4.77       |
| DEPARTMENTAL OVERHEAD          | 9012   | 410.00       |                   |               |             |                      |            |
| TOTAL TASK                     |        | 888,508.25   |                   | 15,466.59     | 15,466.59   | 873,043.66           | .01        |
| MAINTENANCE                    | 050    |              |                   |               |             | 100.04-              |            |
| GROUNDS R&M SUPPLIES           | 6231   |              | 27.13             | 100.04        | 100.04      | 100,000.00           |            |
| GROUNDS R&M                    | 6736   | 100,000.00   |                   | 2,792.80      | 2,792.80    | 9,407.20             | .22        |
| REG HRS DIRECT LABOR           | 9001   | 12,200.00    |                   | 203.40        | 203.40      | 203.40-              |            |
| OVERTIME DIRECT LABOR          | 9002   |              |                   | 434.40        | 434.40      | 1,635.60             | .20        |
| DEPARTMENTAL OVERHEAD          | 9012   | 2,070.00     |                   |               |             |                      |            |
| TOTAL TASK                     |        | 114,270.00   | 27.13             | 3,530.64      | 3,530.64    | 110,739.36           | .03        |
| TOTAL OPTION                   |        | 1,271,408.25 | 7,512.42          | 94,598.58     | 94,598.58   | 1,176,809.67         | .07        |
| TOTAL PERFORMING ORG           |        | 1,271,408.25 | 7,512.42          | 94,598.58     | 94,598.58   | 1,176,809.67         | .07        |
| TOTAL LABOR AND OTHER CHARGES  |        | 1,266,443.25 | 7,172.88          | 88,214.80     | 88,214.80   | 1,178,228.45         | .06        |
| TOTAL OVERHEAD                 |        | 4,965.00     | 339.54            | 6,383.78      | 6,383.78    | 1,418.78-            | 1.28       |
| TOTAL EXPENDITURES & ENCUMB    |        | 1,271,408.25 | 7,512.42          | 94,598.58     | 94,598.58   | 1,176,809.67         | .07        |
| TOTAL REVENUE                  |        |              |                   |               |             |                      |            |
| TOTAL NET ACTIVITY             |        | 1,271,408.25 | 7,512.42          | 94,598.58     | 94,598.58   | 1,176,809.67         | .07        |

A-222

ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
 REPORT SC1097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1982 THRU JUNE 30, 1982

PAGE NUMBER 5040  
 DATE RUN 07/31/82  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD      | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |             |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |             |                                   |               |             |                         |               |
| STANDARD                       | 5701   |             |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |             | 488.32                            | 488.32        |             | 488.32-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 70.72                             | 70.72         |             | 70.72-                  |               |
| TOTAL TASK                     |        |             | 559.04                            | 559.04        |             | 559.04-                 |               |
| ADMINISTRATION                 | 010    |             |                                   |               |             |                         |               |
| STATE SHARE OF COSTS           | 3281   | 633,000.00- |                                   |               |             | 633,000.00-             |               |
| REGULAR SALARIES               | 5011   | 13,453.00   |                                   |               |             | 13,453.00               |               |
| OVERTIME                       | 5031   | 292.00      |                                   |               |             | 292.00                  |               |
| TEMPORARY HELP                 | 5121   | 585.00      |                                   |               |             | 585.00                  |               |
| FICA                           | 5611   | 949.00      |                                   |               |             | 949.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 959.00      |                                   |               |             | 959.00                  |               |
| ARIZ HEALTH PLAN               | 5721   | 54.00       |                                   |               |             | 54.00                   |               |
| ARIZ HLTH PLN/MED-A-CARE       | 5731   | 6.00        |                                   |               |             | 6.00                    |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 223.00      |                                   |               |             | 223.00                  |               |
| INA HEALTH PLAN-ARIZ           | 5761   | 109.00      |                                   |               |             | 109.00                  |               |
| MANUFACTURERS LIFE             | 5771   | 24.00       |                                   |               |             | 24.00                   |               |
| ON-THE-JOB INJURY INS          | 5781   | 374.00      |                                   |               |             | 374.00                  |               |
| UNEMPLOYMENT INS               | 5811   | 16.00       |                                   |               |             | 16.00                   |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |             | 380.00                            | 380.00        | 380.00      | 380.00-                 |               |
| REG HRS DIRECT LABOR           | 9001   |             | 1,403.03                          | 8,127.77      | 8,127.77    | 8,127.77-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 232.38                            | 1,177.66      | 1,177.66    | 1,177.66-               |               |
| TOTAL TASK                     |        | 615,956.00- | 2,215.41                          | 9,685.43      | 9,685.43    | 625,641.43-             | .01-          |
| RIGHT OF WAY                   | 020    |             |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 1,495.00    |                                   |               |             | 1,495.00                |               |
| OVERTIME                       | 5031   | 32.00       |                                   |               |             | 32.00                   |               |
| TEMPORARY HELP                 | 5121   | 63.00       |                                   |               |             | 63.00                   |               |
| FICA                           | 5611   | 105.00      |                                   |               |             | 105.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 106.00      |                                   |               |             | 106.00                  |               |
| ARIZ HEALTH PLAN               | 5721   | 6.00        |                                   |               |             | 6.00                    |               |
| ARIZ HLTH PLN/MED-A-CARE       | 5731   | 1.00        |                                   |               |             | 1.00                    |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 25.00       |                                   |               |             | 25.00                   |               |
| INA HEALTH PLAN-ARIZ           | 5761   | 12.00       |                                   |               |             | 12.00                   |               |
| MANUFACTURERS LIFE             | 5771   | 3.00        |                                   |               |             | 3.00                    |               |
| ON-THE-JOB INJURY INS          | 5781   | 41.00       |                                   |               |             | 41.00                   |               |
| UNEMPLOYMENT INS               | 5811   | 2.00        |                                   |               |             | 2.00                    |               |
| REG HRS DIRECT LABOR           | 9001   |             | 5,058.92                          | 16,291.55     | 16,291.55   | 16,291.55-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 733.56                            | 2,361.15      | 2,361.15    | 2,361.15-               |               |
| TOTAL TASK                     |        | 1,893.00    | 5,792.48                          | 18,652.70     | 18,652.70   | 16,759.70-              | 9.85          |
| FACILITY RELOCATIONS           | 030    |             |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |             | 821.16                            | 2,077.47      | 2,077.47    | 2,077.47-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 118.96                            | 300.96        | 300.96      | 300.96-                 |               |
| TOTAL TASK                     |        |             | 940.12                            | 2,378.43      | 2,378.43    | 2,378.43-               |               |
| CONSTRUCTION                   | 040    |             |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 5,979.00    |                                   |               |             | 5,979.00                |               |

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ACTIVITY 6A1055 SALT/GILA CRC-STANDARD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1982 THRU JUNE 30, 1982

PAGE NUMBER 5041  
 DATE RUN 07/31/82  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE         | BUDGET             | PERIOD           | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE    | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP.  |
|----------------------------------------|--------------------|------------------|--------------------------------|------------------|-------------|----------------------|-------------|
| OVERTIME 5031                          | 130.00             |                  |                                |                  |             | 130.00               |             |
| TEMPORARY HELP 5121                    | 260.00             |                  |                                |                  |             | 260.00               |             |
| FICA 5611                              | 422.00             |                  |                                |                  |             | 422.00               |             |
| STATE RETIREMENT PLAN 5651             | 426.00             |                  |                                |                  |             | 426.00               |             |
| ARIZ HEALTH PLAN 5721                  | 24.00              |                  |                                |                  |             | 24.00                |             |
| ARIZ HLTH PLN/MED-A-CARE 5731          | 3.00               |                  |                                |                  |             | 3.00                 |             |
| CONNECTICUT GENERAL HLTH 5751          | 99.00              |                  |                                |                  |             | 99.00                |             |
| INA HEALTH PLAN-ARIZ 5761              | 49.00              |                  |                                |                  |             | 49.00                |             |
| MANUFACTURERS LIFE 5771                | 11.00              |                  |                                |                  |             | 11.00                |             |
| ON-THE-JOB INJURY INS 5781             | 166.00             |                  |                                |                  |             | 166.00               |             |
| UNEMPLOYMENT INS 5811                  | 7.00               |                  |                                |                  |             | 7.00                 |             |
| REG HRS DIRECT LABOR 9001              |                    | 2,442.21         | 5,887.93                       | 5,887.93         |             | 5,887.93-            |             |
| OVERTIME DIRECT LABOR 9002             |                    | 139.56           | 139.56                         | 139.56           |             | 139.56-              |             |
| DEPARTMENTAL OVERHEAD 9012             |                    | 374.14           | 873.76                         | 873.76           |             | 873.76-              |             |
| <b>TOTAL TASK</b>                      | <b>7,576.00</b>    | <b>2,955.91</b>  | <b>6,901.25</b>                | <b>6,901.25</b>  |             | <b>674.75</b>        | <b>.91</b>  |
| <b>MAINTENANCE 050</b>                 |                    |                  |                                |                  |             | <b>2,990.00</b>      |             |
| REGULAR SALARIES 5011                  | 2,990.00           |                  |                                |                  |             | 65.00                |             |
| OVERTIME 5031                          | 65.00              |                  |                                |                  |             | 130.00               |             |
| TEMPORARY HELP 5121                    | 130.00             |                  |                                |                  |             | 211.00               |             |
| FICA 5611                              | 211.00             |                  |                                |                  |             | 213.00               |             |
| STATE RETIREMENT PLAN 5651             | 213.00             |                  |                                |                  |             | 12.00                |             |
| ARIZ HEALTH PLAN 5721                  | 12.00              |                  |                                |                  |             | 1.00                 |             |
| ARIZ HLTH PLN/MED-A-CARE 5731          | 1.00               |                  |                                |                  |             | 50.00                |             |
| CONNECTICUT GENERAL HLTH 5751          | 50.00              |                  |                                |                  |             | 24.00                |             |
| INA HEALTH PLAN-ARIZ 5761              | 24.00              |                  |                                |                  |             | 5.00                 |             |
| MANUFACTURERS LIFE 5771                | 5.00               |                  |                                |                  |             | 83.00                |             |
| ON-THE-JOB INJURY INS 5781             | 83.00              |                  |                                |                  |             | 3.00                 |             |
| UNEMPLOYMENT INS 5811                  | 3.00               |                  |                                |                  |             | 2,760.47             | .07         |
| REG HRS DIRECT LABOR 9001              |                    | 239.53           | 239.53                         | 239.53           |             | 410.00-              |             |
| OVERTIME DIRECT LABOR 9002             |                    | 410.00           | 410.00                         | 410.00           |             | 3,900.79-            | 2.95        |
| DEPARTMENTAL OVERHEAD 9012             |                    | 87.22            | 774.45                         | 774.45           |             | 774.45-              |             |
| <b>TOTAL TASK</b>                      | <b>298,787.00</b>  | <b>929.18</b>    | <b>13,026.67</b>               | <b>13,026.67</b> |             | <b>285,760.33</b>    | <b>.04</b>  |
| <b>TOTAL OPTION</b>                    | <b>307,700.00-</b> | <b>12,833.10</b> | <b>51,203.52</b>               | <b>51,203.52</b> |             | <b>358,903.52-</b>   | <b>.16-</b> |
| <b>TOTAL PERFORMING ORG</b>            | <b>307,700.00-</b> | <b>12,833.10</b> | <b>51,203.52</b>               | <b>51,203.52</b> |             | <b>358,903.52-</b>   | <b>.16-</b> |
| <b>TOTAL LABOR AND OTHER CHARGES</b>   | <b>325,300.00</b>  | <b>11,286.84</b> | <b>45,644.82</b>               | <b>45,644.82</b> |             | <b>279,655.18</b>    | <b>.14</b>  |
| <b>TOTAL OVERHEAD</b>                  |                    | <b>1,546.26</b>  | <b>5,558.70</b>                | <b>5,558.70</b>  |             | <b>5,558.70-</b>     | <b>.16-</b> |
| <b>TOTAL EXPENDITURES &amp; ENCUMB</b> | <b>325,300.00</b>  | <b>12,833.10</b> | <b>51,203.52</b>               | <b>51,203.52</b> |             | <b>274,096.48</b>    | <b>.15</b>  |
| <b>TOTAL REVENUE</b>                   | <b>633,000.00-</b> |                  |                                |                  |             | <b>633,000.00</b>    |             |
| <b>TOTAL NET ACTIVITY</b>              | <b>307,700.00-</b> | <b>12,833.10</b> | <b>51,203.52</b>               | <b>51,203.52</b> |             |                      |             |

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ACTIVITY 6A1065 SALT/GILA CONT WRK-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1982 THRU JUNE 30, 1982

PAGE NUMBER 5042  
 DATE RUN 07/31/82  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD      | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|-------------|--------------------------------|---------------|-------------|----------------------|------------|
| FLOOD CONTROL                  | 6900   |             |                                |               |             |                      |            |
| OPTION CODE BLANK              | ***    |             |                                |               |             |                      |            |
| STANDARD                       | 310    |             |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001   |             | 305.20                         | 305.20        |             | 305.20-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 44.20                          | 44.20         |             | 44.20-               |            |
| TOTAL TASK                     |        |             | 349.40                         | 349.40        |             | 349.40-              |            |
| ADMINISTRATION                 | 010    |             |                                |               |             |                      |            |
| STATE SHARE OF COSTS           | 3281   | 450,000.00- |                                |               |             | 450,000.00-          |            |
| REG HRS DIRECT LABOR           | 9001   |             | 446.41                         | 6,225.65      | 6,225.65    | 6,225.65-            |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 64.74                          | 900.38        | 900.38      | 900.38-              |            |
| TOTAL TASK                     |        | 450,000.00- | 511.15                         | 7,126.03      | 7,126.03    | 457,126.03-          | .01-       |
| RIGHT OF WAY                   | 020    |             |                                |               |             |                      |            |
| REGULAR SALARIES               | 5011   | 2,760.00    |                                |               |             | 2,760.00             |            |
| OVERTIME                       | 5031   | 60.00       |                                |               |             | 60.00                |            |
| TEMPORARY HELP                 | 5121   | 120.00      |                                |               |             | 120.00               |            |
| FICA                           | 5611   | 194.00      |                                |               |             | 194.00               |            |
| STATE RETIREMENT PLAN          | 5651   | 196.00      |                                |               |             | 196.00               |            |
| ARIZ HEALTH PLAN               | 5721   | 11.00       |                                |               |             | 11.00                |            |
| ARIZ HLTH PLN/MED-A-CARE       | 5731   | 1.00        |                                |               |             | 1.00                 |            |
| CONNECTICUT GENERAL HLTH       | 5751   | 46.00       |                                |               |             | 46.00                |            |
| INA HEALTH PLAN-ARIZ           | 5761   | 22.00       |                                |               |             | 22.00                |            |
| MANUFACTURERS LIFE             | 5771   | 5.00        |                                |               |             | 5.00                 |            |
| ON-THE-JOB INJURY INS          | 5781   | 77.00       |                                |               |             | 77.00                |            |
| UNEMPLOYMENT INS               | 5811   | 3.00        |                                |               |             | 3.00                 |            |
| REG HRS DIRECT LABOR           | 9001   |             | 8.02                           | 8.02          |             | 8.02-                |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 1.16                           | 1.16          |             | 1.16-                |            |
| TOTAL TASK                     |        | 3,495.00    | 9.18                           | 9.18          |             | 3,485.82             |            |
| FACILITY RELOCATIONS           | 030    |             |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001   |             | 136.34                         | 136.34        |             | 136.34-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 19.72                          | 19.72         |             | 19.72-               |            |
| TOTAL TASK                     |        |             | 156.06                         | 156.06        |             | 156.06-              |            |
| CONSTRUCTION                   | 040    |             |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001   |             | 3.02                           | 3.02          |             | 3.02-                |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | .44                            | .44           |             | .44-                 |            |
| TOTAL TASK                     |        |             | 3.46                           | 3.46          |             | 3.46-                |            |
| MAINTENANCE                    | 050    |             |                                |               |             |                      |            |
| REG HRS DIRECT LABOR           | 9001   |             | 116.64                         | 116.64        |             | 116.64-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 16.88                          | 16.88         |             | 16.88-               |            |
| TOTAL TASK                     |        |             | 133.52                         | 133.52        |             | 133.52-              |            |
| TOTAL OPTION                   |        | 446,505.00- | 648.13                         | 7,777.65      | 7,777.65    | 454,282.65-          | .01-       |
| TOTAL PERFORMING ORG           |        | 446,505.00- | 648.13                         | 7,777.65      | 7,777.65    | 454,282.65-          | .01-       |

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ACTIVITY ACROSS SALT/GILA CCR-COM CIP-STD  
 REPORT 801077-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1983 THRU JUNE 30, 1983

PAGE NUMBER 5043  
 DATE RUN 07/30/83  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            | 2,137.87                          | 2,187.87      |             | 2,187.87-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 155.63     | 311.57                            | 311.57        |             | 311.57-                 |               |
| TOTAL TASK                     |        | 155.63     | 2,449.44                          | 2,499.44      |             | 2,499.44-               |               |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 581.00     |                                   |               |             | 581.00                  |               |
| OVERTIME                       | 5031   | 10.00      |                                   |               |             | 10.00                   |               |
| TEMPORARY HELP                 | 5121   | 31.00      |                                   |               |             | 31.00                   |               |
| FICA                           | 5611   | 41.00      |                                   |               |             | 41.00                   |               |
| STATE RETIREMENT PLAN          | 5651   | 41.00      |                                   |               |             | 41.00                   |               |
| ARIZ HEALTH PLAN               | 5721   | 4.00       |                                   |               |             | 4.00                    |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 11.00      |                                   |               |             | 11.00                   |               |
| LIGUA HEALTH PLAN              | 5761   | 5.00       |                                   |               |             | 5.00                    |               |
| MANUFACTURERS LIFE             | 5771   | 1.00       |                                   |               |             | 1.00                    |               |
| ON-THE-JOB INJURY INS          | 5781   | 5.00       |                                   |               |             | 5.00                    |               |
| UNEMPLOYMENT INS               | 5811   | 2.00       |                                   |               |             | 2.00                    |               |
| OTHER FEES                     | 6569   |            |                                   | 2,877.00      |             | 2,877.00-               |               |
| GROUNDS/LAND RENT              | 6653   |            | 1,910.00                          | 1,910.00      |             | 1,910.00-               |               |
| LAND ACQUISITION-OTHER         | 7803   | 25,000.00  | 325.00                            | 325.00        |             | 24,675.00               | .01           |
| REG HRS DIRECT LABOR           | 9001   |            | 974.73                            | 13,412.03     | 13,412.03   | 13,412.03-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 887.20                            | 1,924.58      | 1,924.58    | 1,924.58-               |               |
| TOTAL TASK                     |        | 25,732.00  | 1,861.93                          | 17,571.61     | 20,448.61   | 5,283.39                | .79           |
| FACILITY RELOCATIONS           | 030    |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            | 160.46                            | 1,106.09      | 1,106.09    | 1,106.09-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 130.46                            | 160.40        | 160.40      | 160.40-                 |               |
| TOTAL TASK                     |        |            | 290.92                            | 1,266.49      | 1,266.49    | 1,266.49-               |               |
| CONSTRUCTION                   | 040    |            |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 12,791.00  |                                   |               |             | 12,791.00               |               |
| OVERTIME                       | 5031   | 220.00     |                                   |               |             | 220.00                  |               |
| TEMPORARY HELP                 | 5121   | 675.00     |                                   |               |             | 675.00                  |               |
| FICA                           | 5611   | 911.00     |                                   |               |             | 911.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 911.00     |                                   |               |             | 911.00                  |               |
| ARIZ HEALTH PLAN               | 5721   | 88.00      |                                   |               |             | 88.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 232.00     |                                   |               |             | 232.00                  |               |
| LIGUA HEALTH PLAN              | 5761   | 112.00     |                                   |               |             | 112.00                  |               |
| MANUFACTURERS LIFE             | 5771   | 18.00      |                                   |               |             | 18.00                   |               |
| ON-THE-JOB INJURY INS          | 5781   | 102.00     |                                   |               |             | 102.00                  |               |
| UNEMPLOYMENT INS               | 5811   | 37.00      |                                   |               |             | 37.00                   |               |
| LANDSCAPING SUPPLIES           | 6071   |            | 878.85                            | 878.85        |             | 878.85-                 |               |
| ATTORNEYS OTHER NON-COUNT      | 6451   |            | 179.74                            | 199.74        |             | 199.74-                 |               |
| ENGINEERING                    | 6447   | 10,000.00  | 10,177.80                         | 10,177.80     | 41,969.40   | 31,969.40-              | 4.19          |
| OTHER PROFESSIONAL SERV        | 6468   |            |                                   |               | 1,242.80    | 1,242.80-               |               |
| OTHER PERITALS                 | 6659   |            | 417.58                            | 417.58        |             | 417.58-                 |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |            | 12.40                             | 26.60         | 349.27      | 349.27-                 |               |
| OTHER REPAIR & MAINT           | 6749   |            |                                   | 39.38         | 39.38       | 39.38-                  |               |
| OTHER IMP OUT BUILDINGS        | 7829   | 940,000.00 | 13,753.41                         | 513,127.06    | 513,202.06  | 426,797.94              | .54           |

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ACTIVITY 501055 SALT/GILA CLR-CHN CIP-STD  
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 FISCAL YEAR ELAPSED 100 PCT.

YARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1983 THRU JUNE 30, 1983

PAGE NUMBER 5044  
 DATE RUN 07/30/83  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET     | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|------------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| REG HRS DIRECT LABOR 9001      |            |           | 3,043.68                          | 36,520.54     | 36,520.54   | 36,520.54-              |               |
| OVERTIME DIRECT LABOR 9002     |            |           |                                   | 441.73        | 441.73      | 441.73-                 |               |
| DEPARTMENTAL OVERHEAD 7012     |            |           | 779.03                            | 4,666.18      | 4,666.18    | 4,666.18-               |               |
| TOTAL TASK                     | 966,097.00 | 27,766.32 | 566,475.46                        | 599,927.53    |             | 366,169.47              | .62           |
| MAINTENANCE 050                |            |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001      |            |           | 106.74-                           |               |             |                         |               |
| DEPARTMENTAL OVERHEAD 7012     |            |           | 15.48-                            |               |             |                         |               |
| TOTAL TASK                     |            |           | 122.22-                           |               |             |                         |               |
| TOTAL OPTION                   | 991,829.00 | 29,952.58 | 587,813.00                        | 624,142.07    |             | 367,686.93              | .62           |
| TOTAL PERFORMING ORG           | 991,829.00 | 29,952.58 | 587,813.00                        | 624,142.07    |             | 367,686.93              | .62           |
| TOTAL LABOR AND OTHER CHARGES  | 991,829.00 | 28,015.74 | 580,750.27                        | 617,079.34    |             | 374,749.66              | .62           |
| TOTAL OVERHEAD                 |            | 1,936.84  | 7,062.73                          | 7,062.73      |             | 7,062.73-               |               |
| TOTAL EXPENDITURES & ENCUMB    | 991,829.00 | 29,952.58 | 587,813.00                        | 624,142.07    |             | 367,686.93              | .62           |
| TOTAL REVENUE                  |            |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 991,829.00 | 29,952.58 | 587,813.00                        | 624,142.07    |             |                         |               |

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ACTIVITY 6C1055 SALT/GILA CNL-WR CIP-STD  
 REPORT 501197-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1983 THRU JUNE 30, 1983

PAGE NUMBER 5045  
 DATE RUN 07/30/83  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |     |
|--------------------------------|--------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|-----|
| FLOOD CONTROL                  | 6900   |              |                                   |               |             |                         |               |     |
| OPTION CODE BLANK              | ***    |              |                                   |               |             |                         |               |     |
| ADMINISTRATION                 | J10    |              | 835.46                            | 5,325.65      | 5,325.65    | 5,325.65-               |               |     |
| REG HRS DIRECT LABOR           | 9001   |              | 147.73                            | 771.98        | 771.98      | 771.98-                 |               |     |
| DEPARTMENTAL OVERHEAD          | 9012   |              |                                   |               |             |                         |               |     |
| TOTAL TASK                     |        |              | 983.19                            | 6,097.63      | 6,097.63    | 6,097.63-               |               |     |
| RIGHT OF WAY                   | 020    |              |                                   |               | 666.16      | 666.16-                 | .22           |     |
| LAND ACQUISITION-ROW           | 7802   | 3,000.00     |                                   | 800.00        | 800.00      | 99,200.00               |               |     |
| LAND ACQUISITION-OTHER         | 7803   | 100,000.00   | 647.89                            | 875.77        | 875.77      | 875.77-                 |               |     |
| REG HRS DIRECT LABOR           | 9001   |              | 94.14                             | 127.27        | 127.27      | 127.27-                 |               |     |
| DEPARTMENTAL OVERHEAD          | 9012   |              |                                   |               |             |                         |               |     |
| TOTAL TASK                     |        | 103,000.00   | 742.03                            | 1,803.04      | 2,469.20    | 3,000.00                | 97,530.80     | .02 |
| CONSTRUCTION                   | 040    |              |                                   |               |             | 571,500.00              |               |     |
| STATE SHARE OF COSTS           | 3281   | 571,500.00   |                                   |               |             | 21,222.00               |               |     |
| REGULAR SALARIES               | 5011   | 21,222.00    |                                   |               |             | 365.00                  |               |     |
| OVERTIME                       | 5031   | 365.00       |                                   |               |             | 1,120.00                |               |     |
| TEMPORARY HELP                 | 5121   | 1,120.00     |                                   |               |             | 1,511.00                |               |     |
| FICA                           | 5611   | 1,511.00     |                                   |               |             | 1,511.00                |               |     |
| STATE RETIREMENT PLAN          | 5651   | 1,511.00     |                                   |               |             | 146.00                  |               |     |
| ARIZ HEALTH PLAN               | 5721   | 146.00       |                                   |               |             | 384.00                  |               |     |
| CONNECTICUT GENERAL HLTH       | 5751   | 384.00       |                                   |               |             | 186.00                  |               |     |
| LIGNA HEALTH PLAN              | 5761   | 186.00       |                                   |               |             | 30.00                   |               |     |
| MANUFACTURERS LIFE             | 5771   | 30.00        |                                   |               |             | 170.00                  |               |     |
| ON-THE-JOB INJURY INS          | 5781   | 170.00       |                                   |               |             | 61.00                   |               |     |
| UNEMPLOYMENT INS               | 5811   | 61.00        |                                   |               |             | 44,842.00               | .76           |     |
| ENGINEERING                    | 6447   | 59,000.00    |                                   | 44,842.00     | 44,842.00   | 12.40-                  |               |     |
| PUBLISH OF LEGAL NOTICES       | 6691   |              |                                   | 12.40         | 12.40       | 937,361.48              | .05           |     |
| OTHER IMP U/T BUILDINGS        | 7829   | 994,000.00   |                                   | 56,638.52     | 56,638.52   | 3,230.04-               |               |     |
| REG HRS DIRECT LABOR           | 9001   |              | 2,025.34                          | 3,230.04      | 3,230.04    | 468.54-                 |               |     |
| DEPARTMENTAL OVERHEAD          | 9012   |              | 298.20                            | 468.54        | 468.54      |                         |               |     |
| TOTAL TASK                     |        | 508,206.00   | 2,323.54                          | 105,191.50    | 105,191.50  | 3,000.00                | 403,014.50    | .20 |
| TOTAL OPTION                   |        | 611,206.00   | 4,048.76                          | 113,092.17    | 113,758.33  | 3,000.00                | 494,447.67    | .18 |
| TOTAL PERFORMING ORG           |        | 611,206.00   | 4,048.76                          | 113,092.17    | 113,758.33  |                         |               |     |
| TOTAL LABOR AND OTHER CHARGES  |        | 1,182,706.00 | 3,508.69                          | 111,724.38    | 112,390.54  | 3,000.00                | 1,067,315.46  | .09 |
| TOTAL OVERHEAD                 |        |              | 540.07                            | 1,367.79      | 1,367.79    | 3,000.00                | 1,065,947.67  | .09 |
| TOTAL EXPENDITURES & ENCUMB    |        | 1,182,706.00 | 4,048.76                          | 113,092.17    | 113,758.33  |                         | 571,500.00    |     |
| TOTAL REVENUE                  |        | 571,500.00   |                                   |               |             | 3,000.00                |               |     |
| TOTAL NET ACTIVITY             |        | 611,206.00   | 4,048.76                          | 113,092.17    | 113,758.33  |                         |               |     |

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ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 30, 1984

PAGE NUMBER 5111  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET    | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|-----------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900      |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***       |           |                                   |               |             |                         |               |
| FACILITY RELOCATIONS           | 030       |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001      |           | 25.98                             | 25.98         |             | 25.98-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012      |           | 3.76                              | 3.76          |             | 3.76-                   |               |
| TOTAL TASK                     |           |           | 29.74                             | 29.74         |             | 29.74-                  |               |
| MAINTENANCE                    | 050       |           |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011      | 3,501.00  |                                   |               |             | 3,501.00                |               |
| OVERTIME                       | 5031      | 120.00    |                                   |               |             | 120.00                  |               |
| TEMPORARY HELP                 | 5121      | 115.00    |                                   |               |             | 115.00                  |               |
| FICA                           | 5611      | 250.00    |                                   |               |             | 250.00                  |               |
| STATE RETIREMENT PLAN          | 5651      | 254.00    |                                   |               |             | 254.00                  |               |
| ARIZ HEALTH PLAN               | 5721      | 22.00     |                                   |               |             | 22.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751      | 95.00     |                                   |               |             | 95.00                   |               |
| CIGNA HEALTH PLAN              | 5761      | 36.00     |                                   |               |             | 36.00                   |               |
| MANUFACTURERS LIFE             | 5771      | 5.00      |                                   |               |             | 5.00                    |               |
| ON-THE-JOB INJURY INS          | 5781      | 26.00     |                                   |               |             | 26.00                   |               |
| UNEMPLOYMENT INS               | 5811      | 10.00     |                                   |               |             | 10.00                   |               |
| GROUPS & SUPPLIES              | 6231      |           | 7,458.04                          | 7,458.04      | 7,458.04    | 7,458.04-               |               |
| OTHER RENTALS                  | 6654      | 11,600.00 | 22,998.00                         | 33,750.50     | 33,750.50   | 22,150.50-              | 2.90          |
| REG HRS DIRECT LABOR           | 9001      |           | 3,914.53                          | 19,988.71     | 19,988.71   | 19,988.71-              |               |
| OVERTIME DIRECT LABOR          | 9002      |           |                                   | 29.85         | 29.85       | 29.85-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012      |           | 420.58                            | 2,636.57      | 2,636.57    | 2,636.57-               |               |
| TOTAL TASK                     | 16,034.00 | 34,791.15 | 63,863.67                         | 63,863.67     | 63,863.67   | 47,829.67-              | 3.98          |
| TOTAL OPTION                   | 16,034.00 | 34,791.15 | 63,893.41                         | 63,893.41     | 63,893.41   | 47,859.41-              | 3.98          |
| STAL PERFORMING ORG            | 16,034.00 | 34,791.15 | 63,893.41                         | 63,893.41     | 63,893.41   | 47,859.41-              | 3.98          |
| TOTAL LABOR AND OTHER CHARGES  | 16,034.00 | 34,370.57 | 61,253.08                         | 61,253.08     | 61,253.08   | 45,219.08-              | 3.82          |
| TOTAL OVERHEAD                 |           | 420.58    | 2,640.33                          | 2,640.33      | 2,640.33    | 2,640.33-               |               |
| TOTAL EXPENDITURES & ENCUMB    | 16,034.00 | 34,791.15 | 63,893.41                         | 63,893.41     | 63,893.41   | 47,859.41-              | 3.98          |
| TOTAL REVENUE                  |           |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 16,034.00 | 34,791.15 | 63,893.41                         | 63,893.41     | 63,893.41   |                         |               |

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ACTIVITY 6C1055 SALT/GILA CLR-CHN CIP-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 48, 1984

PAGE NUMBER 5183  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD   | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 690L   |          |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |          |                                   |               |             |                         |               |
| STANDARD                       | STD    |          | 209.95                            | 209.95        |             | 209.95-                 |               |
| REG HRS DIRECT LABOR           | 9001   |          | 30.42                             | 30.42         |             | 30.42-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          |                                   |               |             | 240.37-                 |               |
| TOTAL TASK                     |        |          | 240.37                            | 240.37        |             |                         |               |
| ADMINISTRATION                 | U1U    |          |                                   |               |             | 457,410.95              |               |
| STATE SHARE OF COSTS           | 3281   |          | 457,410.95-                       | 457,410.95-   | 457,410.95- | 886.00                  |               |
| REGULAR SALARIES               | 5011   | 886.00   |                                   |               |             | 30.00                   |               |
| OVERTIME                       | 5031   | 30.00    |                                   |               |             | 29.00                   |               |
| TEMPORARY HELP                 | 5121   | 29.00    |                                   |               |             | 63.00                   |               |
| FICA                           | 5611   | 63.00    |                                   |               |             | 64.00                   |               |
| STATE RETIREMENT PLAN          | 5651   | 64.00    |                                   |               |             | 5.00                    |               |
| ARIZ HEALTH PLAN               | 5721   | 5.00     |                                   |               |             | 24.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 24.00    |                                   |               |             | 9.00                    |               |
| CIGNA HEALTH PLAN              | 5761   | 9.00     |                                   |               |             | 1.00                    |               |
| MANUFACTURERS LIFE             | 5771   | 1.00     |                                   |               |             | 7.00                    |               |
| ON-THE-JOB INJURY INS          | 5781   | 7.00     |                                   |               |             | 3.00                    |               |
| UNEMPLOYMENT INS               | 5811   | 3.00     |                                   |               |             | 3,953.73-               |               |
| REG HRS DIRECT LABOR           | 9001   |          | 103.34                            | 1,765.86      | 3,953.73    | 567.73-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          | 15.00                             | 256.16        | 567.73      | 567.73-                 |               |
| TOTAL TASK                     |        | 1,121.00 | 457,529.29                        | 459,432.97    | 461,932.41  | 460,811.41-412.07       |               |
| RIGHT OF WAY                   | 02U    |          |                                   |               |             | 2,493.00                |               |
| REGULAR SALARIES               | 5011   | 2,493.00 |                                   |               |             | 84.00                   |               |
| OVERTIME                       | 5031   | 84.00    |                                   |               |             | 82.00                   |               |
| TEMPORARY HELP                 | 5121   | 82.00    |                                   |               |             | 178.00                  |               |
| FICA                           | 5611   | 178.00   |                                   |               |             | 181.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 181.00   |                                   |               |             | 15.00                   |               |
| ARIZ HEALTH PLAN               | 5721   | 15.00    |                                   |               |             | 68.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 68.00    |                                   |               |             | 26.00                   |               |
| CIGNA HEALTH PLAN              | 5761   | 26.00    |                                   |               |             | 4.00                    |               |
| MANUFACTURERS LIFE             | 5771   | 4.00     |                                   |               |             | 19.00                   |               |
| ON-THE-JOB INJURY INS          | 5781   | 19.00    |                                   |               |             | 7.00                    |               |
| UNEMPLOYMENT INS               | 5811   | 7.00     |                                   |               |             | 7,610.00-               |               |
| ENGINEERING                    | 6447   |          | 7,610.00                          | 7,610.00      | 7,610.00    | 2,877.00-               |               |
| OTHER FEES                     | 6569   |          |                                   |               | 2,877.00    | 1,910.00-               |               |
| GROUNDS/LAND RENT              | 6653   |          |                                   |               | 1,910.00    | 2,551.06-               |               |
| LAND ACQUISITION-OTHER         | 7803   |          | 2,226.06                          | 2,226.06      | 2,551.06    | 17,523.43-              |               |
| REG HRS DIRECT LABOR           | 9001   |          | 637.22                            | 4,111.40      | 17,523.43   | 2,520.71-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          | 92.35                             | 596.13        | 2,520.71    |                         |               |
| TOTAL TASK                     |        | 3,157.00 | 8,339.57                          | 14,543.59     | 34,992.20   | 31,835.20- 11.08        |               |
| FACILITY RELOCATIONS           | 030    |          |                                   |               |             | 2,311.50-               |               |
| REG HRS DIRECT LABOR           | 9001   |          | 168.87                            | 1,205.41      | 2,311.50    | 334.87-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          | 24.44                             | 174.47        | 334.87      |                         |               |
| TOTAL TASK                     |        |          | 193.31                            | 1,379.88      | 2,646.37    | 2,646.37-               |               |
| CONSTRUCTION                   | 04U    |          |                                   |               |             |                         |               |

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ACTIVITY 001055 SALT/GILA CLK-CHN CIP-SID  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 28, 1984

PAGE NUMBER 5184  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET     | PERIOD | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE  | UNENCUMBERED<br>BALANCE | PCI.<br>COMP. |
|--------------------------------|------------|--------|-----------------------------------|---------------|--------------|-------------------------|---------------|
| REGULAR SALARIES 5011          | 784.00     |        |                                   |               |              | 784.00                  |               |
| OVERTIME 5051                  | 26.00      |        |                                   |               |              | 26.00                   |               |
| TEMPORARY HELP 5121            | 26.00      |        |                                   |               |              | 26.00                   |               |
| FICA 5611                      | 56.00      |        |                                   |               |              | 56.00                   |               |
| STATE RETIREMENT PLAN 5651     | 57.00      |        |                                   |               |              | 57.00                   |               |
| ARIZ HEALTH PLAN 5721          | 5.00       |        |                                   |               |              | 5.00                    |               |
| CONNECTICUT GENERAL HLTH 5751  | 21.00      |        |                                   |               |              | 21.00                   |               |
| CIGNA HEALTH PLAN 5761         | 8.00       |        |                                   |               |              | 8.00                    |               |
| MANUFACTURERS LIFE 5771        | 1.00       |        |                                   |               |              | 1.00                    |               |
| ON-THE-JOB INJURY INS 5781     | 6.00       |        |                                   |               |              | 6.00                    |               |
| UNEMPLOYMENT INS 5811          | 2.00       |        |                                   |               |              | 2.00                    |               |
| LANDSCAPING SUPPLIES 6071      |            |        |                                   | 878.85        |              | 878.85-                 |               |
| ATTORNEYS OTHER NON-COUNT 6431 |            |        |                                   | 199.74        |              | 199.74-                 |               |
| ENGINEERING 6442               |            |        |                                   | 41,969.40     |              | 41,969.40-              |               |
| OTHER PROFESSIONAL SERV 6468   |            |        |                                   | 1,242.80      |              | 1,242.80-               |               |
| OTHER RENTALS 6659             |            |        |                                   | 417.58        |              | 417.58-                 |               |
| PUBLISH OF LEGAL NOTICES 6691  |            | 12.40  | 12.40                             | 361.67        |              | 361.67-                 |               |
| OTHER REPAIR & MAINT 6749      |            |        |                                   | 39.38         |              | 39.38-                  |               |
| OTHER IMP C/T BUILDINGS 7825   | 505,000.00 |        | 239,550.40                        | 752,752.46    |              | 247,752.46-             | 1.49          |
| REG HRS DIRECT LABOR 9001      |            | 396.36 | 14,147.23                         | 50,667.77     |              | 50,667.77-              |               |
| OVERTIME DIRECT LABOR 9002     |            |        | 11.45                             | 453.18        |              | 453.18-                 |               |
| DEPARTMENTAL OVERHEAD 9012     |            | 57.47  | 1,955.15                          | 6,621.33      |              | 6,621.33-               |               |
| TOTAL TASK                     | 505,992.00 |        | 466.23                            | 255,676.63    | 855,604.16   | 349,612.16-             | 1.69          |
| TOTAL OPTION                   | 510,270.00 |        | 466,528.40                        | 731,273.44    | 1,355,415.51 | 845,145.51-             | 2.65          |
| TOTAL PERFORMING ORG           | 510,270.00 |        | 466,528.40                        | 731,273.44    | 1,355,415.51 | 845,145.51-             | 2.65          |
| TOTAL LABOR AND OTHER CHARGES  | 510,270.00 |        | 8,928.19                          | 270,850.16    | 887,929.50   | 377,659.50-             | 1.74          |
| TOTAL OVERHEAD                 |            |        | 189.26                            | 3,012.33      | 10,075.66    | 10,075.06-              |               |
| TOTAL EXPENDITURES & ENCUMB    | 510,270.00 |        | 9,117.45                          | 273,862.49    | 898,004.56   | 387,734.56-             | 1.75          |
| TOTAL REVENUE                  |            |        | 457,410.95-                       | 457,410.95-   | 457,410.95-  | 457,410.95-             |               |
| TOTAL NET ACTIVITY             | 510,270.00 |        | 466,528.40                        | 731,273.44    | 1,355,415.51 |                         |               |

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ACTIVITY 6A106S SALT/CILA CONT WRK-STD  
 REPORT 501097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 30, 1984

PAGE NUMBER 5112  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD   | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 690L   |          |                                   |               |             | 268.00                  |               |
| OPTION CODE BLANK              | ***    |          |                                   |               |             | 10.00                   |               |
| ADMINISTRATION                 | 010    |          |                                   |               |             | 9.00                    |               |
| REGULAR SALARIES               | 5011   | 268.00   |                                   |               |             | 19.00                   |               |
| OVERTIME                       | 5051   | 10.00    |                                   |               |             | 20.00                   |               |
| TEMPORARY HELP                 | 5121   | 9.00     |                                   |               |             | 2.00                    |               |
| FICA                           | 5611   | 19.00    |                                   |               |             | 7.00                    |               |
| STATE RETIREMENT PLAN          | 5651   | 20.00    |                                   |               |             | 3.00                    |               |
| ARIZ HEALTH PLAN               | 5721   | 2.00     |                                   |               |             | 2.00                    |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 7.00     |                                   |               |             | 1.00                    |               |
| CIGNA HEALTH PLAN              | 5761   | 3.00     |                                   |               |             | 404.12-                 |               |
| ON-THE-JOB INJURY INS          | 5781   | 2.00     |                                   |               |             | 58.62-                  |               |
| UNEMPLOYMENT INS               | 5811   | 1.00     | 404.12                            | 404.12        |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |          | 58.62                             | 58.62         |             |                         |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          |                                   |               |             | 121.74-                 | 1.35          |
|                                |        |          | 462.74                            | 462.74        |             |                         |               |
| TOTAL TASK                     |        | 341.00   |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |          |                                   |               |             | 150.00                  |               |
| REGULAR SALARIES               | 5011   | 130.00   |                                   |               |             | 5.00                    |               |
| OVERTIME                       | 5051   | 5.00     |                                   |               |             | 4.00                    |               |
| TEMPORARY HELP                 | 5121   | 4.00     |                                   |               |             | 9.00                    |               |
| FICA                           | 5611   | 9.00     |                                   |               |             | 1.00                    |               |
| STATE RETIREMENT PLAN          | 5651   | 10.00    |                                   |               |             | 4.00                    |               |
| ARIZ HEALTH PLAN               | 5721   | 1.00     |                                   |               |             | 1.00                    |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 4.00     |                                   |               |             | 1.00                    |               |
| CIGNA HEALTH PLAN              | 5761   | 1.00     |                                   |               |             | 500.00                  |               |
| ON-THE-JOB INJURY INS          | 5781   | 1.00     |                                   |               |             | 36.42-                  |               |
| REG HRS DIRECT LABOR           | 9001   |          |                                   |               |             | 5.28-                   |               |
| DEPARTMENTAL OVERHEAD          | 9012   |          |                                   |               |             |                         |               |
|                                |        |          | 36.42                             | 36.42         |             |                         |               |
|                                |        |          | 5.28                              | 5.28          |             |                         |               |
| TOTAL TASK                     |        | 665.00   |                                   |               |             |                         |               |
| TOTAL OPTION                   |        | 1,006.00 |                                   |               |             |                         |               |
| TOTAL PERFORMING ORG           |        | 1,006.00 |                                   |               |             |                         |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 1,006.00 | 440.54                            | 440.54        |             | 565.46                  | .43           |
| TOTAL OVERHEAD                 |        | 1,006.00 | 63.90                             | 63.90         |             | 63.90-                  |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 1,006.00 | 504.44                            | 504.44        |             | 501.56                  | .50           |
| TOTAL REVENUE                  |        | 1,006.00 | 504.44                            | 504.44        |             |                         |               |
| TOTAL NET ACTIVITY             |        |          |                                   |               |             |                         |               |

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ACTIVITY 6C106S SALT/GILA CNIL-WR CIP-STD  
 REPORT 301092-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 30, 1984

PAGE NUMBER 5185  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/LOST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| STANDARD                       | STD    |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            | 80.75                             | 80.75         |             | 80.75-                  |               |
| OVERTIME DIRECT LABOR          | 9002   |            | 16.15                             | 16.15         |             | 16.15-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 14.04                             | 14.04         |             | 14.04-                  |               |
| TOTAL TASK                     |        |            | 110.94                            | 110.94        |             | 110.94-                 |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 1,772.00   |                                   |               |             | 1,772.00                |               |
| OVERTIME                       | 5031   | 60.00      |                                   |               |             | 60.00                   |               |
| TEMPORARY HELP                 | 5121   | 58.00      |                                   |               |             | 58.00                   |               |
| FICA                           | 5611   | 126.00     |                                   |               |             | 126.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 128.00     |                                   |               |             | 128.00                  |               |
| ARIZ HEALTH PLAN               | 5721   | 11.00      |                                   |               |             | 11.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 48.00      |                                   |               |             | 48.00                   |               |
| CIGNA HEALTH PLAN              | 5761   | 18.00      |                                   |               |             | 18.00                   |               |
| MANUFACTURERS LIFE             | 5771   | 3.00       |                                   |               |             | 3.00                    |               |
| ON-THE-JOB INJURY INS          | 5781   | 13.00      |                                   |               |             | 13.00                   |               |
| UNEMPLOYMENT INS               | 5811   | 5.00       |                                   |               |             | 5.00                    |               |
| OTHER PROFESSIONAL SERV        | 6468   |            | 62,920.00                         | 96,360.00     | 96,360.00   | 96,360.00-              |               |
| PRINTING-BINDING-DUPLIC        | 6687   |            | 33.00                             | 33.00         | 33.00       | 33.00-                  |               |
| REG HRS DIRECT LABOR           | 9001   |            | 1,172.79                          | 7,099.91      | 12,425.56   | 12,425.56-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 170.21                            | 1,030.15      | 1,802.13    | 1,802.13-               |               |
| TOTAL TASK                     |        | 2,242.00   | 64,296.00                         | 104,523.06    | 110,620.69  | 108,378.69-             | 49.34         |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   | 2,494.00   |                                   |               |             | 2,494.00                |               |
| OVERTIME                       | 5031   | 84.00      |                                   |               |             | 84.00                   |               |
| TEMPORARY HELP                 | 5121   | 82.00      |                                   |               |             | 82.00                   |               |
| FICA                           | 5611   | 178.00     |                                   |               |             | 178.00                  |               |
| STATE RETIREMENT PLAN          | 5651   | 181.00     |                                   |               |             | 181.00                  |               |
| ARIZ HEALTH PLAN               | 5721   | 15.00      |                                   |               |             | 15.00                   |               |
| CONNECTICUT GENERAL HLTH       | 5751   | 68.00      |                                   |               |             | 68.00                   |               |
| CIGNA HEALTH PLAN              | 5761   | 26.00      |                                   |               |             | 26.00                   |               |
| MANUFACTURERS LIFE             | 5771   | 4.00       |                                   |               |             | 4.00                    |               |
| ON-THE-JOB INJURY INS          | 5781   | 19.00      |                                   |               |             | 19.00                   |               |
| UNEMPLOYMENT INS               | 5811   | 7.00       |                                   |               |             | 7.00                    |               |
| TAXES & ASSESSMENTS            | 8969   |            |                                   | .38           | .38         | .38-                    |               |
| LAND ACQUISITION-ROW           | 7802   | 3,000.00   |                                   | 6,788.29      | 7,454.45    | 4,454.45-               | 2.48          |
| LAND ACQUISITION-OTHER         | 7803   | 150,000.00 | 6,091.59                          | 166,471.57    | 167,271.57  | 17,271.57-              | 1.11          |
| REG HRS DIRECT LABOR           | 9001   |            | 355.52                            | 8,423.53      | 9,299.30    | 9,299.30-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 51.53                             | 1,221.94      | 1,349.21    | 1,349.21-               |               |
| TOTAL TASK                     |        | 156,158.00 | 6,498.64                          | 182,905.71    | 185,374.91  | 29,216.91-              | 1.18          |
| FACILITY RELOCATIONS           | 030    |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            | 42.92                             | 119.90        | 119.90      | 119.90-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 5.82                              | 16.96         | 16.96       | 16.96-                  |               |
| TOTAL TASK                     |        |            | 48.74                             | 136.86        | 136.86      | 136.86-                 |               |

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TOTAL TASK

ACTIVITY 6C1065 SALT/GILA CNIL-WR CIP-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1984 THRU JUNE 30, 1984

PAGE NUMBER 5186  
 DATE RUN 09/01/84  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET       | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CONSTRUCTION 040               |              |            |                                   |               |             | 8,547.00                |               |
| REGULAR SALARIES 5011          | 8,547.00     |            |                                   |               |             | 289.00                  |               |
| OVERTIME 5031                  | 289.00       |            |                                   |               |             | 280.00                  |               |
| TEMPORARY HELP 5121            | 280.00       |            |                                   |               |             | 610.00                  |               |
| FICA 5611                      | 610.00       |            |                                   |               |             | 619.00                  |               |
| STATE RETIREMENT PLAN 5651     | 619.00       |            |                                   |               |             | 52.00                   |               |
| ARIZ HEALTH PLAN 5721          | 52.00        |            |                                   |               |             | 233.00                  |               |
| CONNECTICUT GENERAL HLTH 5751  | 233.00       |            |                                   |               |             | 89.00                   |               |
| CIGNA HEALTH PLAN 5761         | 89.00        |            |                                   |               |             | 13.00                   |               |
| MANUFACTURERS LIFE 5771        | 13.00        |            |                                   |               |             | 65.00                   |               |
| ON-THE-JOB INJURY INS 5781     | 65.00        |            |                                   |               |             | 25.00                   |               |
| UNEMPLOYMENT INS 5811          | 25.00        |            |                                   |               |             | 26,000.00               | .69           |
| ENGINEERING 6447               | 85,000.00    |            |                                   |               |             | 24.80                   |               |
| PUBLISH OF LEGAL NOTICES 6691  |              |            | 12.40                             | 12.40         | 24.80       | 1,024,618.52            | .25           |
| OTHER IMP C/T BUILDINGS 7829   | 1,370,000.00 | 82,823.90  | 288,742.96                        | 345,381.48    |             | 15,227.62               |               |
| REG HRS DIRECT LABOR 9001      |              | 1,756.95   | 11,997.58                         | 15,227.62     |             | 94.00                   |               |
| OVERTIME DIRECT LABOR 9002     |              | 50.88      | 94.00                             | 94.00         |             | 2,222.07                |               |
| DEPARTMENTAL OVERHEAD 9012     |              | 262.19     | 1,753.53                          | 2,222.07      |             |                         |               |
| TOTAL TASK                     | 1,465,822.00 | 84,906.32  | 316,758.47                        | 421,949.97    |             | 1,043,872.03            | .28           |
| TOTAL OPTION                   | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             | 906,028.63              | .44           |
| TOTAL PERFORMING ORG           | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             | 906,028.63              | .44           |
| TOTAL LABOR AND OTHER CHARGES  | 1,624,222.00 | 155,259.95 | 600,398.42                        | 712,788.96    |             | 911,433.04              | .43           |
| TOTAL OVERHEAD                 |              | 489.75     | 4,036.62                          | 5,404.41      |             | 5,404.41                |               |
| TOTAL EXPENDITURES & ENCUMB    | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             | 906,028.63              | .44           |
| TOTAL REVENUE                  |              |            |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 1,624,222.00 | 155,749.70 | 604,435.04                        | 718,193.37    |             |                         |               |

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MARICOPA COUNTY

ACTIVITY 641055 SALTWATER C&C-STANDARD  
 REPORT 301992-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1986 THRU JUNE 30, 1986

PAGE NUMBER 5727  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | 444    |            |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 50.00      | 50.00                             | 50.00         |             | 50.00-                  |               |
| REG HRS DIRECT LABOR           | 9001   |            | 305.50                            | 305.50        |             | 305.50-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 44.23                             | 44.23         |             | 44.23-                  |               |
| TOTAL TASK                     |        | 50.00      | 399.73                            | 399.73        |             | 399.73-                 |               |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| OTHER RENTALS                  | 6659   |            | 87.86                             | 87.86         |             | 87.86-                  |               |
| REG HRS DIRECT LABOR           | 9001   | 102.45     | 284.59                            | 284.59        |             | 284.59-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 14.85      | 41.31                             | 41.31         |             | 41.31-                  |               |
| TOTAL TASK                     |        | 117.30     | 413.76                            | 413.76        |             | 413.76-                 |               |
| MAINTENANCE                    | 050    |            |                                   |               |             |                         |               |
| GROUNDS R/M SUPPLIES           | 6231   | 764.35     | 764.35                            | 764.35        |             | 764.35-                 |               |
| ARCOP PERSONNEL SERVICES       | 6492   | 6,357.28   | 6,357.28                          | 6,357.28      |             | 6,357.28-               |               |
| OTHER RENTALS                  | 6659   | 346,813.19 | 346,813.19                        | 346,813.19    |             | 346,813.19-             |               |
| REG HRS DIRECT LABOR           | 9001   | 991.57     | 18,482.33                         | 18,482.33     |             | 18,482.33-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 6.74       | 2,543.58                          | 2,543.58      |             | 2,543.58-               |               |
| TOTAL TASK                     |        | 354,933.13 | 374,960.73                        | 374,960.73    |             | 374,960.73-             |               |
| TOTAL OPTION                   |        | 355,100.43 | 375,774.22                        | 375,774.22    |             | 375,774.22-             |               |
| MGMT OPER & MAINT FCD R/W      | R/M    |            |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            | 117.38                            | 117.38        |             | 117.38-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 17.04                             | 17.04         |             | 17.04-                  |               |
| TOTAL TASK                     |        |            | 134.42                            | 134.42        |             | 134.42-                 |               |
| TOTAL OPTION                   |        |            | 134.42                            | 134.42        |             | 134.42-                 |               |
| TOTAL PERFORMING ORG           |        | 355,100.43 | 375,908.64                        | 375,908.64    |             | 375,908.64-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 355,078.84 | 373,262.48                        | 373,262.48    |             | 373,262.48-             |               |
| TOTAL OVERHEAD                 |        | 21.59      | 2,646.16                          | 2,646.16      |             | 2,646.16-               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 355,100.43 | 375,908.64                        | 375,908.64    |             | 375,908.64-             |               |
| TOTAL REVENUE                  |        |            |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 355,100.43 | 375,908.64                        | 375,908.64    |             |                         |               |

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ACTIVITY 6C1055 SALT/GILA CEM-CON TIP-CID  
 REPORT 5/11/86-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 015 1986 THRU JUNE 48, 1986

PAGE NUMBER 5809  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | ACTUAL REV / COST |              |               | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|-------------------|--------------|---------------|----------------------|------------|
|                                |        | PERIOD            | YEAR-TO-DATE | INCFP-TO-DATE |                      |            |
| CAPITAL PROJECTS-OTHER         | 01450  |                   |              |               |                      |            |
| OPTION CODE BLANK              | ***    |                   |              |               |                      |            |
| ADMINISTRATION                 | 010    |                   | 473.99       |               | 473.99-              |            |
|                                | 0991   |                   | 5,817.68     |               | 5,817.68-            |            |
| OTHER MISC REV                 | 3779   |                   | 473.99       |               | 473.99-              |            |
| REGULAR SALARIES               | 5011   |                   | 5,817.68     |               | 5,817.68-            |            |
| ENGINEERING                    | 6447   |                   |              |               |                      |            |
| TOTAL TASK                     |        |                   |              |               |                      |            |
| RIGHT OF WAY                   | 020    |                   | 6,733.42     |               | 6,733.42-            |            |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 6,733.42     |               | 6,733.42-            |            |
| REGULAR SALARIES               | 5011   |                   |              |               |                      |            |
| TOTAL TASK                     |        |                   |              |               |                      |            |
| FACILITY RELOCATION            | 030    |                   | 1,493.78     |               | 1,493.78-            |            |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 1,493.78     |               | 1,493.78-            |            |
| REGULAR SALARIES               | 5011   |                   |              |               |                      |            |
| TOTAL TASK                     |        |                   |              |               |                      |            |
| CONSTRUCTION                   | 040    |                   | 65,625.70    |               | 65,625.70-           |            |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   | 8,369.02     |               | 8,369.02-            |            |
| REGULAR SALARIES               | 5011   |                   | 57,256.68    |               | 57,256.68-           |            |
| OTHER IMP O/T BUILDINGS        | 7829   |                   |              |               |                      |            |
| TOTAL TASK                     |        |                   |              |               |                      |            |
| TOTAL OPTION                   |        |                   |              |               |                      |            |
| TOTAL PERFORMING ORG           |        |                   |              |               |                      |            |
| FLOOD CONTROL                  | 6900   |                   |              |               |                      |            |
| OPTION CODE BLANK              | ***    |                   |              |               |                      |            |
| STANDARD                       | 510    |                   | 209.95       |               | 209.95-              |            |
| REG HRS DIRECT LAHOR           | 9001   |                   | 30.42        |               | 30.42-               |            |
| DEPARTMENTAL OVERHEAD          | 9012   |                   |              |               |                      |            |
| TOTAL TASK                     |        |                   | 240.37       |               | 240.37-              |            |
| ADMINISTRATION                 | 010    |                   | 246,824.13   |               | 246,824.13-          |            |
| STATE SHARE OF COSTS           | 3281   |                   | 473.99       |               | 473.99-              |            |
| INTRA-FUND CREDIT              | 5991   |                   | 4,840.46     |               | 4,840.46-            |            |
| REG HRS DIRECT LAHOR           | 9001   | 86.92-            | 696.43       |               | 696.43-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   | 12.60-            |              |               |                      |            |
| TOTAL TASK                     |        | 99.52-            | 241,761.23   |               | 241,761.23           |            |
| RIGHT OF WAY                   | 020    |                   | 6,733.42     |               | 6,733.42-            |            |
| INTRA-FUND CREDIT              | 5991   |                   | 7,610.00     |               | 7,610.00-            |            |
| ENGINEERING                    | 6447   |                   | 2,877.00     |               | 2,877.00-            |            |
| OTHER FEES                     | 6569   |                   | 1,910.00     |               | 1,910.00-            |            |
| GROUNDS/LAND RENT              | 6653   |                   | 2,551.06     |               | 2,551.06-            |            |
| LAND ACQUISITION-OTHER         | 7803   |                   |              |               |                      |            |

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ACTIVITY 601065 SALT GILA CONTROL WORKS  
 FISCAL YEAR 1977-57  
 FISCAL YEAR FLEASID TO PCI.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1986 THRU JUNE 48, 1986

PAGE NUMBER 5811  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | ACTUAL REV / COST |              |               | ENCUMBRANCE  | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|-------------------|--------------|---------------|--------------|----------------------|------------|
|                                |        | PERIOD            | YEAR-TO-DATE | INCEP-TO-DATE |              |                      |            |
| CAPITAL PROJECTS-OTHER         | 0450   |                   |              |               |              |                      |            |
| OPTION CODE BLANK              | ***    |                   |              |               |              |                      |            |
| STANDARD                       | 510    |                   |              |               |              | 85.58-               |            |
|                                | 0991   |                   |              |               | 85.58        | 856,900.00           |            |
| OTHER MISC REV                 | 3779   | 956,900.00        |              |               |              | 85.58-               |            |
| LAND ACQUISITION-OTHER         | 7803   |                   |              |               |              | 1,103,900.00         |            |
| CONS WORK IN PROGRESS          | 7891   | 1,103,900.00      |              |               |              |                      |            |
| TOTAL TASK                     |        | 247,000.00        |              |               |              | 247,000.00           |            |
| ADMINISTRATION                 | 010    |                   |              |               |              | 40,572.91-           |            |
| TRANSFER FR FLOOD CONTROL      | 0991   | 16,287.72         | 33,598.04    | 40,572.91     |              | 14,432.89-           |            |
| REGULAR SALARIES               | 5011   | 7,683.02          | 7,683.02     | 14,432.89     |              | 25,915.02-           |            |
| ENGINEERING                    | 6447   | 8,604.70          | 25,915.02    | 25,915.02     |              | 225.00-              |            |
| OTHER PROFESSIONAL SERV        | 6468   |                   |              | 225.00        |              |                      |            |
| TOTAL TASK                     |        |                   |              |               |              |                      |            |
| RIGHT OF WAY                   | 020    |                   |              |               |              | 158,044.20-          |            |
| TRANSFER FR FLOOD CONTROL      | 0991   | 9,680.47          | 134,982.18   | 158,044.20    |              | 96,624.96-           |            |
| OTHER MISC REV                 | 3779   |                   | 105,318.46-  | 96,624.96-    |              | 11,330.75-           |            |
| REGULAR SALARIES               | 5011   | 5,666.53          | 5,666.53     | 11,330.75     |              | 681.20-              |            |
| ATTORNEYS OTHER NON-COUNT      | 6431   |                   |              | 681.20        |              | 526.56-              |            |
| TAXES & ASSESSMENTS            | 6969   |                   |              | 526.56        |              | 343,880.73-          | -16-       |
| LAND ACQUISITION-OTHER         | 7803   | 295,000.00-       | 4,013.94     | 23,997.19     | 46,880.73    |                      |            |
| TOTAL TASK                     |        | 295,000.00-       |              |               |              | 295,000.00-          |            |
| FACILITY RELOCATION            | 030    |                   |              |               |              | 1,137.54-            |            |
| TRANSFER FR FLOOD CONTROL      | 0991   | 272.58            | 272.58       | 1,137.54      |              | 1,137.54-            |            |
| REGULAR SALARIES               | 5011   | 272.58            | 272.58       | 1,137.54      |              |                      |            |
| TOTAL TASK                     |        |                   |              |               |              |                      |            |
| CONSTRUCTION                   | 040    |                   |              |               |              | 722,290.82-          |            |
| TRANSFER FR FLOOD CONTROL      | 0991   | 236,504.03-       | 25,216.06-   | 722,290.82-   |              | 643,700.06-          |            |
| OTHER MISC REV                 | 3779   | 94,755.13         | 499,198.26   | 643,700.06    |              | 24,918.35-           |            |
| REGULAR SALARIES               | 5011   | 9,881.92          | 9,881.92     | 24,918.35     |              | 25.00-               |            |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 25.00             | 25.00        | 25.00         |              | 6,085.50-            |            |
| ENGINEERING                    | 6447   | 1,085.50          | 1,085.50     | 6,085.50      |              | 21.70-               |            |
| PUBLIST OF LEGAL NOTICES       | 6691   |                   | 12.40        | 21.70         |              | 2,036,940.33-        | 1.90-      |
| OTHER IMP O/T BUILDINGS        | 7829   | 702,000.00-       | 152,741.32-  | 462,977.38    | 1,334,940.33 |                      |            |
| TOTAL TASK                     |        | 702,000.00-       |              |               |              | 702,000.00-          |            |
| ERROR                          | 111    |                   |              |               | 700.00       | 700.00-              |            |
| TRANSFER FR FLOOD CONTROL      | 0991   |                   |              |               | 700.00       | 700.00-              |            |
| OTHER PROFESSIONAL SERV        | 6468   |                   |              |               |              |                      |            |
| TOTAL TASK                     |        |                   |              |               |              |                      |            |
| TOTAL OPTION                   |        | 750,000.00-       |              |               |              | 750,000.00-          |            |
|                                | 999    |                   |              |               |              |                      |            |
|                                | 998    |                   |              |               |              |                      |            |

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ACTIVITY 61055 SALT GILA CONTROL WORKS  
 REPORT 501127-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNI 01, 1986 THRU JUNE 30, 1986

PAGE NJMEER 5812  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET      | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|-------------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| EXCESS COST REV W/A 3898       |             | 94,755.13- | 393,879.80-                       | 393,879.80-   |             | 393,879.80              |               |
| TOTAL TASK                     |             | 94,755.13  | 393,879.80                        | 393,879.80    |             | 393,879.80-             |               |
| TOTAL OPTION                   |             | 94,755.13  | 393,879.80                        | 393,879.80    |             | 393,879.80-             |               |
| TOTAL PERFORMING ORG           | 750,000.00- | 94,755.13  | 393,879.80                        | 393,879.80    |             | 1,143,879.80-           | -52-          |
|                                |             |            |                                   |               |             |                         |               |
| FLOOD CONTROL 6900             |             |            |                                   |               |             |                         |               |
| OPTION CODE BLANK ***          |             |            |                                   |               |             |                         |               |
| STANDARD STD                   |             |            |                                   | 74.48-        |             | 74.48                   |               |
| INTRA-FUND CREDIT 5991         |             |            |                                   | 145.79        |             | 145.79-                 |               |
| REG HRS DIRECT LABOR 9001      |             |            |                                   | 16.15         |             | 16.15-                  |               |
| OVERTIME DIRECT LABOR 9002     |             |            |                                   | 23.48         |             | 23.48-                  |               |
| DEPARTMENTAL OVERHEAD 9012     |             |            |                                   |               |             |                         |               |
| TOTAL TASK                     |             |            |                                   | 110.94        |             | 110.94-                 |               |
|                                |             |            |                                   |               |             |                         |               |
| ADMINISTRATION 010             |             |            |                                   |               |             |                         |               |
| STATE SHARE OF COSTS 3281      |             |            | 535,491.91                        | 535,491.91    |             | 535,491.91-             |               |
| INTRA-FUND CREDIT 5991         | 7,683.02-   |            | 7,683.02-                         | 14,432.89-    |             | 14,432.89               |               |
| OTHER PROFESSIONAL SERV 6468   |             |            |                                   | 96,502.50     |             | 96,502.50-              |               |
| PRINTING-BINDING-DUPLOC 6687   |             |            |                                   | 33.00         |             | 33.00-                  |               |
| REG HRS DIRECT LABOR 9001      | 802.00      |            | 6,796.75                          | 26,432.68     |             | 26,432.68-              |               |
| DEPARTMENTAL OVERHEAD 9012     | 116.36      |            | 985.79                            | 3,833.54      |             | 3,833.54-               |               |
| TOTAL TASK                     | 6,764.66-   |            | 535,392.39-                       | 423,123.08-   |             | 423,123.08              |               |
|                                |             |            |                                   |               |             |                         |               |
| RIGHT OF WAY 020               |             |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT 5991         | 5,666.53-   |            | 5,666.53-                         | 11,256.27-    |             | 11,256.27               |               |
| TAXES & ASSESSMENTS 6969       |             |            |                                   | .38           |             | .38-                    |               |
| LAND ACQUISITION-ROW 7802      |             |            |                                   | 7,454.45      |             | 7,454.45-               |               |
| LAND ACQUISITION-OTHER 7803    |             |            |                                   | 167,271.57    |             | 167,271.57-             |               |
| REG HRS DIRECT LABOR 9001      | 24.97-      |            | 4,585.97                          | 19,266.68     |             | 19,266.68-              |               |
| DEPARTMENTAL OVERHEAD 9012     | 3.55-       |            | 665.54                            | 2,795.65      |             | 2,795.65-               |               |
| TOTAL TASK                     | 5,695.05-   |            | 415.02-                           | 185,532.46    |             | 185,532.46-             |               |
|                                |             |            |                                   |               |             |                         |               |
| FACILITY RELOCATIONS 030       |             |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT 5991         | 272.58-     |            | 272.58-                           | 1,137.54-     |             | 1,137.54                |               |
| REG HRS DIRECT LABOR 9001      | 94.48       |            | 238.06                            | 1,825.71      |             | 1,825.71-               |               |
| DEPARTMENTAL OVERHEAD 9012     |             |            | 20.84                             | 251.01        |             | 251.01-                 |               |
| TOTAL TASK                     | 178.10-     |            | 13.68-                            | 939.18        |             | 939.18-                 |               |
|                                |             |            |                                   |               |             |                         |               |
| CONSTRUCTION 040               |             |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT 5991         | 9,881.92-   |            | 9,881.92-                         | 24,918.35-    |             | 24,918.35               |               |
| ENGINEERING 6447               |             |            |                                   | 59,000.00     |             | 59,000.00-              |               |
| PUBLISH OF LEGAL NOTICES 6691  |             |            |                                   | 24.80         |             | 24.80-                  |               |
| OTHER IMP O/TI BUILDINGS 7829  |             |            |                                   | 345,381.48    |             | 345,381.48-             |               |
| REG HRS DIRECT LABOR 9001      | 1,331.24    |            | 8,608.94                          | 40,898.03     |             | 40,898.03-              |               |
| OVERTIME DIRECT LABOR 9002     |             |            | 21.35                             | 115.35        |             | 115.35-                 |               |
| DEPARTMENTAL OVERHEAD 9012     | 191.40      |            | 1,249.99                          | 5,946.13      |             | 5,946.13-               |               |
| TOTAL TASK                     | 8,359.28-   |            | 1.64-                             | 426,447.44    |             | 426,447.44-             |               |
| TOTAL OPTION                   | 20,797.09-  |            | 535,822.73-                       | 189,906.94    |             | 189,906.94-             |               |

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ACTIVITY 641065 SALT/DELA CONT WRE-SID  
 REPORT 001077-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01 1986 THROUGH JUNE 30 1986

PAGE NUMBER 5728  
 DATE RUN 08/16/86  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD      | ACTUAL REV / COST YEAR-TO-DATE | INCFP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------|-------------|--------------------------------|---------------|-------------|----------------------|------------|
| FLUOR CONTROL                  | 6900   |             |                                |               |             |                      |            |
| OPTION CODE BLANK              | ***    |             |                                |               |             |                      |            |
| STANDARD                       | SID    |             |                                |               |             |                      |            |
| ACCOUNTS REC NON PATIENT       | 0450   | 210,263.26- | 143,636.74                     | 143,636.74    |             | 143,636.74-          |            |
| INTERGOVT HOLDING ACCT         | 6992   | 247,000.00- |                                |               |             | 247,000.00-          |            |
| TOTAL TASK                     |        | 247,000.00- | 210,263.26-                    | 143,636.74    | 143,636.74  | 390,636.74-          | -58-       |
| ADMINISTRATION                 | 010    |             | 857.28                         | 857.28        |             | 857.28-              |            |
| TAXES & ASSESSMENTS            | 6969   |             | 4.56                           | 1,693.57      | 1,693.57    | 1,693.57-            |            |
| REG HRS DIRECT LABOR           | 9001   |             | .63                            | 245.44        | 245.44      | 245.44-              |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             | 4.99                           | 2,796.29      | 2,796.29    | 2,796.29-            |            |
| TOTAL TASK                     |        |             | 4.99                           | 2,796.29      | 2,796.29    | 2,796.29-            |            |
| MAINTENANCE                    | 050    |             | 54.08                          | 54.08         | 54.08       | 54.08-               |            |
| GROUNDS & SUPPLIES             | 6231   |             | 42,835.70-                     |               |             | 4,928.82-            |            |
| OTHER RENTALS                  | 6659   |             |                                | 4,928.82      | 4,928.82    | 673.51-              |            |
| REG HRS DIRECT LABOR           | 9001   |             | 41.26-                         | 673.51        | 673.51      |                      |            |
| DEPARTMENTAL OVERHEAD          | 9012   |             |                                |               |             | 5,656.41-            |            |
| TOTAL TASK                     |        |             | 42,822.88-                     | 5,656.41      | 5,656.41    | 399,085.44-          | -61-       |
| TOTAL OPTION                   |        | 247,000.00- | 253,081.15-                    | 152,089.44    | 152,089.44  | 399,085.44-          | -61-       |
| TOTAL PERFORMING ORG           |        | 247,000.00- | 253,081.15-                    | 152,089.44    | 152,089.44  |                      |            |
| TOTAL LABOR AND OTHER CHARGES  |        | 247,000.00- | 253,040.52-                    | 151,170.49    | 151,170.49  | 398,170.49-          |            |
| TOTAL OVERHEAD                 |        |             | 40.63-                         | 918.95        | 918.95      | 918.95-              |            |
| TOTAL EXPENDITURES & ENCUMB    |        | 247,000.00- | 253,081.15-                    | 152,089.44    | 152,089.44  | 399,085.44-          |            |
| TOTAL REVENUE                  |        |             |                                |               |             |                      |            |
| TOTAL NET ACTIVITY             |        | 247,000.00- | 253,081.15-                    | 152,089.44    | 152,089.44  |                      |            |

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ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1987 THRU JUNE 30, 1987

PAGE NUMBER 5516  
 DATE RUN 08/20/87  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV        | 6468   | 26.68     | 26.68                             | 26.68         |             | 26.68-                  |               |
| TAXES & ASSESSMENTS            | 6969   |           | .86                               | .86           |             | .86-                    |               |
| REG HRS DIRECT LABOR           | 9001   |           | 157.19                            | 157.19        |             | 157.19-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 22.79                             | 22.79         |             | 22.79-                  |               |
| TOTAL TASK                     |        | 26.68     | 207.52                            | 207.52        |             | 207.52-                 |               |
| RIGHT OF WAY                   | 020    |           |                                   |               |             |                         |               |
| TAXES & ASSESSMENTS            | 6969   |           | .86-                              | .86-          | .86-        | .86                     |               |
| TOTAL TASK                     |        |           | .86-                              | .86-          | .86-        | .86                     |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| GROUNDS & M SUPPLIES           | 6231   | 164.94    | 1,111.98                          | 1,111.98      |             | 1,111.98-               |               |
| OTHER PROFESSIONAL SERV        | 6468   | 235.00    | 385.00                            | 385.00        |             | 385.00-                 |               |
| ARCOR PERSONNEL SERVICES       | 6492   | 365.41    | 365.41                            | 365.41        |             | 365.41-                 |               |
| OTHER RENTALS                  | 6659   | 50,760.00 | 50,760.00                         | 50,760.00     |             | 50,760.00-              |               |
| REG HRS DIRECT LABOR           | 9001   | 3,549.72  | 41,429.69                         | 41,429.69     |             | 41,429.69-              |               |
| OVERTIME DIRECT LABOR          | 9002   | 156.01    | 156.01                            | 156.01        |             | 156.01-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 18.09-    | 5,475.32                          | 5,475.32      |             | 5,475.32-               |               |
| TOTAL TASK                     |        | 55,212.99 | 99,683.41                         | 99,683.41     |             | 99,683.41-              |               |
| TOTAL OPTION                   |        | 55,238.81 | 99,890.07                         | 99,890.07     |             | 99,890.07-              |               |
| VANDAL DAMAGE REPAIR           | VOL    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 56.40                             | 56.40         |             | 56.40-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 8.18                              | 8.18          |             | 8.18-                   |               |
| TOTAL TASK                     |        |           | 64.58                             | 64.58         |             | 64.58-                  |               |
| TOTAL OPTION                   |        |           | 64.58                             | 64.58         |             | 64.58-                  |               |
| TOTAL PERFORMING ORG           |        | 55,238.81 | 99,954.65                         | 99,954.65     |             | 99,954.65-              |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 55,256.90 | 94,448.36                         | 94,448.36     |             | 94,448.36-              |               |
| TOTAL OVERHEAD                 |        | 18.09-    | 5,506.29                          | 5,506.29      |             | 5,506.29-               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 55,238.81 | 99,954.65                         | 99,954.65     |             | 99,954.65-              |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 55,238.81 | 99,954.65                         | 99,954.65     |             |                         |               |

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ACTIVITY 6A1065 SALT/GILA CONT WRK-STD

MARICOPA COUNTY

PAGE NUMBER 5517  
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ACTIVITY 6A106S SALT/GILA CONT WRK-STD  
 REPORT 5/10/97-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1987 THRU JUNE 30, 1987

PAGE NUMBER 5517  
 DATE RUN 08/20/87  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| STANDARD                       | STD    |           |                                   |               |             |                         |               |
| ACCOUNTS REC NON PATIENT       | 0450   | 354.91    | 217,549.31                        | 217,549.31    |             | 217,549.31-             |               |
| INTERGOVT HOLDING ACCT         | 6992   | 15.50-    |                                   |               |             |                         |               |
| TOTAL TASK                     |        | 339.41    | 217,549.31                        | 217,549.31    |             | 217,549.31-             |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| TRANSR CAP PROJECT OTH FD      | 0450   | 8,684.72- | 8,684.72-                         | 8,684.72-     |             | 8,684.72-               |               |
| TAXES & ASSESSMENTS            | 6969   |           | 385.32                            | 385.32        |             | 385.32-                 |               |
| REG HRS DIRECT LABOR           | 9001   |           | 12.15                             | 12.15         |             | 12.15-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 1.77                              | 1.77          |             | 1.77-                   |               |
| TOTAL TASK                     |        | 8,684.72- | 8,285.48-                         | 8,285.48-     |             | 8,285.48-               |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| ARCUM PERSONNEL SERVICES       | 6492   | 116.51    | 116.51                            | 116.51        |             | 116.51-                 |               |
| OTHER RENTALS                  | 6659   |           | 49,195.24                         | 49,195.24     |             | 49,195.24-              |               |
| REG HRS DIRECT LABOR           | 9001   | 82.34     | 4,573.34                          | 4,573.34      |             | 4,573.34-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 3.73      | 655.09                            | 655.09        |             | 655.09-                 |               |
| TOTAL TASK                     |        | 202.58    | 54,540.20                         | 54,540.20     |             | 54,540.20-              |               |
| TOTAL OPTION                   |        | 8,142.73- | 263,804.03                        | 263,804.03    |             | 263,804.03-             |               |
| VANDAL DAMAGE REPAIR           | VDL    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   | 879.87    | 1,134.49                          | 1,134.49      |             | 1,134.49-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 96.57     | 133.52                            | 133.52        |             | 133.52-                 |               |
| TOTAL TASK                     |        | 976.44    | 1,268.01                          | 1,268.01      |             | 1,268.01-               |               |
| TOTAL OPTION                   |        | 976.44    | 1,268.01                          | 1,268.01      |             | 1,268.01-               |               |
| TOTAL PERFORMING ORG           |        | 7,166.29- | 265,072.04                        | 265,072.04    |             | 265,072.04-             |               |
| TOTAL LAHOR AND OTHER CHARGES  |        | 7,266.59- | 264,281.66                        | 264,281.66    |             | 264,281.66-             |               |
| TOTAL OVERHEAD                 |        | 100.30    | 790.38                            | 790.38        |             | 790.38-                 |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 7,166.29- | 265,072.04                        | 265,072.04    |             | 265,072.04-             |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 7,166.29- | 265,072.04                        | 265,072.04    |             |                         |               |

TOTAL PERFORMING ORG

130.08-

417.87

417.87

417.87-

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ACTIVITY 6C106S SALT GILA CONTROL WORKS  
 REPORT SC1097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
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PAGE NUMBER 5607  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CAPITAL PROJECTS-OTHER         |        |              |                                   |               |             |                         |               |
| OPTION CODE BLANK              | 0450   |              |                                   |               |             |                         |               |
| STANDARD                       | ***    |              |                                   |               |             |                         |               |
|                                | STD    |              |                                   |               |             |                         |               |
|                                | 0991   | 8,684.72-    | 8,684.72-                         | 8,599.14-     |             | 8,599.14                |               |
| ENGINEERING                    | 6447   | 8,684.72-    | 8,684.72-                         | 8,684.72-     |             | 8,684.72                |               |
| LAND ACQUISITION-OTHER         | 7803   |              |                                   | 85.58         |             | 85.58-                  |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |              |                                   |               |             |                         |               |
| TRANSFER FR FLOOD CONTROL      | 0991   | 10,273.91    | 10,273.91                         | 34,559.10     |             | 34,559.10-              |               |
| REGULAR SALARIES               | 5011   | 10,273.91    | 10,273.91                         | 17,023.78     |             | 17,023.78-              |               |
| ENGINEERING                    | 6447   |              |                                   | 17,310.32     |             | 17,310.32-              |               |
| OTHER PROFESSIONAL SERV        | 6468   |              |                                   | 225.00        |             | 225.00-                 |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| RIGHT OF WAY                   | 020    |              |                                   |               |             |                         |               |
| TRANSFER FR FLOOD CONTROL      | 0991   | 22,430.12    | 28,461.70                         | 176,825.43    |             | 176,825.43-             |               |
| OTHER MISC REV                 | 3779   |              |                                   | 96,128.51     |             | 96,128.51               |               |
| REGULAR SALARIES               | 5011   | 5,688.67     | 5,688.67                          | 11,352.89     |             | 11,352.89-              |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              |                                   | 681.20        |             | 681.20-                 |               |
| ENGINEERING                    | 6447   | 16,317.04    | 16,317.04                         | 16,317.04     |             | 16,317.04-              |               |
| INTEREST-OTHER                 | 6949   | 11.04        | 11.04                             | 11.04         |             | 11.04-                  |               |
| TAXES & ASSESSMENTS            | 6969   |              |                                   | 526.56        |             | 526.56-                 |               |
| LAND ACQUISITION-OTHER         | 7803   | 413.37       |                                   | 51,808.19     |             | 51,808.19-              |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| FACILITY RELOCATION            | 030    |              |                                   |               |             |                         |               |
| TRANSFER FR FLOOD CONTROL      | 0991   | 9,311.42     | 9,311.42                          | 10,176.38     |             | 10,176.38-              |               |
| REGULAR SALARIES               | 5011   | 9,311.42     | 9,311.42                          | 10,176.38     |             | 10,176.38-              |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| CONSTRUCTION                   | 040    |              |                                   |               |             |                         |               |
| TRANSFER FR FLOOD CONTROL      | 0991   | 15,825.73    | 226,988.55                        | 1,185,783.40  |             | 1,185,783.40-           |               |
| OTHER MISC REV                 | 3779   | 15.50-       |                                   | 396,203.61    |             | 396,203.61-             |               |
| REGULAR SALARIES               | 5011   | 15,810.23    | 15,810.23                         | 30,846.66     |             | 30,846.66-              |               |
| ENGINEERING                    | 6447   |              |                                   | 5,000.00      |             | 5,000.00-               |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |              |                                   | 21.70         |             | 21.70-                  |               |
| OTHER IMP O/T BUILDINGS        | 7829   |              | 211,178.32                        | 1,546,118.65  |             | 1,546,118.65-           |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| UNRELEASED FUNDS               | 101    |              |                                   |               |             |                         |               |
| OTHER MISC REV                 | 3779   | 1,005,000.00 |                                   |               |             | 1,005,000.00            |               |
| CONS WORK IN PROGRESS          | 7891   | 1,005,000.00 |                                   |               |             | 1,005,000.00            |               |
| TOTAL TASK                     |        |              |                                   |               |             |                         |               |
| ERROR                          | 111    |              |                                   |               |             |                         |               |
| TRANSFER FR FLOOD CONTROL      | 0991   |              |                                   | 700.00        |             | 700.00-                 |               |
| OTHER PROFESSIONAL SERV        | 6468   |              |                                   | 700.00        |             | 700.00-                 |               |

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ACTIVITY 601065 SALT GILA CONTROL WORKS  
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 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
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PAGE NUMBER 567R  
 DATE RUN (8/20)87  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| TOTAL TASK                     |        |            |                                   |               |             |                         |               |
| TOTAL OPTION                   |        |            |                                   |               |             |                         |               |
| 999                            |        |            |                                   |               |             |                         |               |
| 998                            |        |            |                                   |               |             |                         |               |
| EXCESS COST REV W/A            | 3898   |            |                                   | 393,879.80-   |             | 393,879.80              |               |
| TOTAL TASK                     |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL OPTION                   |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL PERFORMING ORG           |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| STANDARD                       | STD    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |            |                                   | 74.48-        |             | 74.48                   |               |
| OVERTIME DIRECT LABOR          | 9002   |            |                                   | 145.79        |             | 145.79-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            |                                   | 16.15         |             | 16.15-                  |               |
| TOTAL TASK                     |        |            |                                   | 23.48         |             | 23.48-                  |               |
| TOTAL OPTION                   |        |            |                                   | 110.94        |             | 110.94-                 |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| STATE SHARE OF COSTS           | 3281   |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 10,273.91- | 10,273.91-                        | 535,491.91    |             | 535,491.91-             |               |
| OTHER PROFESSIONAL SERV        | 6468   |            |                                   | 17,023.78-    |             | 17,023.78               |               |
| PRINTING-BINDING-DUPLIC        | 6687   |            |                                   | 96,502.50     |             | 96,502.50-              |               |
| REG HRS DIRECT LABOR           | 9001   | 274.22     | 274.22                            | 33.00         |             | 33.00-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 19.77      | 1,302.40                          | 35,404.19     |             | 35,404.19-              |               |
| TOTAL TASK                     |        | 9,959.92-  |                                   | 5,135.94      |             | 5,135.94-               |               |
| TOTAL OPTION                   |        |            |                                   | 415,440.06-   |             | 415,440.06              |               |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |            |                                   |               |             |                         |               |
| TAXES & ASSESSMENTS            | 6969   | 5,448.19-  | 5,448.19-                         | 11,037.93-    |             | 11,037.93               |               |
| LAND ACQUISITION-ROW           | 7802   | 351.84-    |                                   | 579.70-       |             | 579.70                  |               |
| LAND ACQUISITION-OTHER         | 7803   |            |                                   | 7,454.45      |             | 7,454.45-               |               |
| REG HRS DIRECT LABOR           | 9001   | 175.76     | 4,757.86                          | 167,271.57    |             | 167,271.57-             |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 25.51      | 690.33                            | 24,454.83     |             | 24,454.83-              |               |
| TOTAL TASK                     |        | 5,558.76-  | 579.70-                           | 3,548.35      |             | 3,548.35-               |               |
| TOTAL OPTION                   |        |            |                                   | 191,111.95    |             | 191,111.95-             |               |
| FACILITY RELOCATIONS           | 030    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   | 9,311.42-  | 9,311.42-                         | 10,176.38-    |             | 10,176.38               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            |                                   | 8,132.90      |             | 8,132.90-               |               |
| TOTAL TASK                     |        | 352.26-    | 826.26                            | 1,090.95      |             | 1,090.95-               |               |
| TOTAL OPTION                   |        |            |                                   | 873.18        |             | 873.18-                 |               |
| CONSTRUCTION                   | 040    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |            |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   | 15,810.23- | 15,810.23-                        | 30,846.66-    |             | 30,846.66               |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |            |                                   | 59,000.00     |             | 59,000.00-              |               |
| OTHER IMP U/T BUILDINGS        | 7829   |            |                                   | 24.80         |             | 24.80-                  |               |
| TOTAL TASK                     |        |            |                                   | 345,381.48    |             | 345,381.48-             |               |

8971.51

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ACTIVITY 6C1065 SALT GILA CONTROL WORKS  
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MARICOPA COUNTY  
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PAGE NUMBER 5609  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET       | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| REG HRS DIRECT LABOR 9001      |              | 411.49     | 14,014.41                         | 54,912.44     |             | 54,912.44-              |               |
| OVERTIME DIRECT LABOR 9002     |              |            |                                   | 115.35        |             | 115.35-                 |               |
| DEPARTMENTAL OVERHEAD 9012     |              | 59.68      | 2,032.54                          | 7,978.67      |             | 7,978.67-               |               |
| TOTAL TASK                     |              | 15,339.06- | 236.72                            | 436,566.08    |             | 436,566.08-             |               |
| TOTAL OPTION                   |              | 40,561.42- | 695.24-                           | 213,222.09    |             | 213,222.09-             |               |
| TOTAL PERFORMING ORG           |              | 40,561.42- | 695.24-                           | 213,222.09    |             | 213,222.09-             |               |
| TOTAL LABOR AND OTHER CHARGES  | 1,005,000.00 | 8,806.84   | 260,804.09                        | 2,430,456.88  |             | 1,425,456.88-           | 2.41          |
| TOTAL OVERHEAD                 |              | 227.30-    | 4,851.53                          | 17,777.39     |             | 17,777.39-              |               |
| TOTAL EXPENDITURES & ENCUMB    | 1,005,000.00 | 8,579.54   | 265,655.62                        | 2,448,234.27  |             | 1,443,234.27-           | 2.43          |
| TOTAL REVENUE                  | 1,005,000.00 | 49,140.96  | 266,350.86                        | 1,841,132.38  |             | 836,132.38-             | 1.83          |
| TOTAL NET ACTIVITY             |              | 40,561.42- | 695.24-                           | 607,101.89    |             |                         |               |

ACTIVITY 74C1045 SALT GILA CONTROL WORKS  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET      | PERIOD   | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|-------------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| EXCESS COST REV W/A            | 998<br>3898 |          |                                   | 393,879.80-   |             | 393,879.80              |               |
| TOTAL TASK                     |             |          |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL OPTION                   |             |          |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL PERFORMING ORG           | 500,000.00- |          |                                   | 393,879.80    |             | 393,879.80-             | .78-          |
| FLOOD CONTROL                  | 6900        |          |                                   |               |             |                         |               |
| OPTION CODE PLANK              | 444         |          |                                   |               |             |                         |               |
| STANDARD                       | STD         |          |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991        |          |                                   | 74.48-        |             | 74.48                   |               |
| REG HRS DIRECT LABOR           | 9001        |          |                                   | 145.79        |             | 145.79-                 |               |
| OVERTIME DIRECT LABOR          | 9002        |          |                                   | 16.15         |             | 16.15-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012        |          |                                   | 23.48         |             | 23.48-                  |               |
| TOTAL TASK                     |             |          |                                   | 110.94        |             | 110.94-                 |               |
| ADMINISTRATION                 | 010         |          |                                   |               |             |                         |               |
| STATE SHARE OF COSTS           | 3281        |          |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991        |          | 64,508.09                         | 600,000.00    |             | 600,000.00-             |               |
| OTHER PROFESSIONAL SERV        | 6468        |          |                                   | 6,749.87-     |             | 6,749.87                |               |
| PRINTING-BINDING-DUPIC         | 6687        |          |                                   | 96,502.50     |             | 96,502.50-              |               |
| REG HRS DIRECT LABOR           | 9001        | 793.74   | 12,511.50                         | 47,915.69     |             | 47,915.69-              |               |
| DEPARTMENTAL OVERHEAD          | 9012        | 115.03   | 1,813.84                          | 6,949.78      |             | 6,949.78-               |               |
| TOTAL TASK                     |             | 908.77   | 50,182.75-                        | 455,348.90-   |             | 455,348.90              |               |
| RIGHT OF WAY                   | 020         |          |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991        |          |                                   | 5,589.74-     |             | 5,589.74                |               |
| TAXES & ASSESSMENTS            | 6969        |          |                                   | 579.32-       |             | 579.32                  |               |
| LAND ACQUISITION-ROW           | 7802        |          |                                   | 7,454.45      | 3,000.00    | 10,454.45-              |               |
| LAND ACQUISITION-OTHER         | 7803        |          |                                   | 167,271.57    |             | 167,271.57-             |               |
| REG HRS DIRECT LABOR           | 9001        | 543.00   | 5,049.16                          | 29,503.99     |             | 29,503.99-              |               |
| DEPARTMENTAL OVERHEAD          | 9012        | 78.74    | 731.81                            | 4,280.16      |             | 4,280.16-               |               |
| TOTAL TASK                     |             | 621.74   | 5,780.97                          | 202,341.11    | 3,000.00    | 205,341.11-             |               |
| FACILITY RELOCATIONS           | 030         |          |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991        |          |                                   | 864.96-       |             | 864.96                  |               |
| REG HRS DIRECT LABOR           | 9001        | 305.93   | 6,650.59                          | 16,609.20     |             | 16,609.20-              |               |
| DEPARTMENTAL OVERHEAD          | 9012        | 44.36    | 963.78                            | 2,406.99      |             | 2,406.99-               |               |
| TOTAL TASK                     |             | 350.29   | 7,614.37                          | 18,151.23     |             | 18,151.23-              |               |
| CONSTRUCTION                   | 040         |          |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991        |          |                                   | 15,036.43-    |             | 15,036.43               |               |
| ENGINEERING                    | 6447        |          |                                   | 59,000.00     |             | 59,000.00-              |               |
| PUBLISH OF LEGAL NOTICES       | 6691        |          |                                   | 24.80         |             | 24.80-                  |               |
| OTHER IMP O/T BUILDINGS        | 7829        |          |                                   | 345,381.48    |             | 345,381.48-             |               |
| REG HRS DIRECT LABOR           | 9001        |          |                                   | 58,778.48     |             | 58,778.48-              |               |
| OVERTIME DIRECT LABOR          | 9002        | 4,072.76 | 4,072.76                          | 115.35        |             | 115.35-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012        |          | 590.44                            | 8,539.11      |             | 8,539.11-               |               |
| TOTAL TASK                     |             |          | 4,663.20                          | 456,802.79    |             | 456,802.79-             |               |

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ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    | 2,100.00  | 2,100.00                          | 2,100.00      |             | 2,100.00-               |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 477.00    | 477.00                            | 477.00        |             | 477.00-                 |               |
| ENGINEERING                    | 6447   |           | 564.62                            | 564.62        |             | 564.62-                 |               |
| REG HRS DIPECT LABOR           | 9001   |           | 81.78                             | 81.78         |             | 81.78-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   |               |             |                         |               |
| TOTAL TASK                     |        | 2,577.00  | 3,223.40                          | 3,223.40      |             | 3,223.40-               |               |
| MAINTENANCE                    | 050    | 228.80    | 298.77                            | 298.77        |             | 298.77-                 |               |
| GROUNDS R&M SUPPLIES           | 6231   |           | 6,990.75                          | 6,990.75      |             | 6,990.75-               |               |
| ARCOR PERSONNEL SERVICES       | 6492   | 5,027.75  | 39,521.82                         | 39,521.82     |             | 39,521.82-              |               |
| OTHER RENTALS                  | 6659   | 17,962.95 | 113,825.03                        | 113,825.03    |             | 113,825.03-             |               |
| REG HRS DIRECT LABOR           | 9001   | 8,198.01  | 16,501.69                         | 16,501.69     |             | 16,501.69-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 1,188.83  |                                   |               |             |                         |               |
| TOTAL TASK                     |        | 32,606.34 | 177,138.06                        | 177,138.06    |             | 177,138.06-             |               |
| TOTAL OPTION                   |        | 35,183.34 | 180,361.46                        | 180,361.46    |             | 180,361.46-             |               |
| MGMT OPER & MAINT FCD R/W      | RWM    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           | 198.12                            | 198.12        |             | 198.12-                 |               |
| REG HRS DIRECT LABOR           | 9001   |           | 28.73                             | 28.73         |             | 28.73-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   |               |             |                         |               |
| TOTAL TASK                     |        |           | 226.85                            | 226.85        |             | 226.85-                 |               |
| TOTAL OPTION                   |        |           | 226.85                            | 226.85        |             | 226.85-                 |               |
| TOTAL PERFORMING ORG           |        | 35,183.34 | 180,588.31                        | 180,588.31    |             | 180,588.31-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 33,994.51 | 163,976.11                        | 163,976.11    |             | 163,976.11-             |               |
| TOTAL OVERHEAD                 |        | 1,188.83  | 16,612.20                         | 16,612.20     |             | 16,612.20-              |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 35,183.34 | 180,588.31                        | 180,588.31    |             | 180,588.31-             |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 35,183.34 | 180,588.31                        | 180,588.31    |             |                         |               |

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|--------------------------------|--------------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900         |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***          |            |                                   |               |             |                         |               |
| STANDARD                       | STD          |            |                                   |               |             |                         |               |
| ACCOUNTS REC NON PATIENT 0450  | 1,898,000.00 | 124,025.78 | 169,071.02                        | 169,071.02    |             | 1,728,928.98            | .08           |
| TOTAL TASK                     | 1,898,000.00 | 124,025.78 | 169,071.02                        | 169,071.02    |             | 1,728,928.98            | .08           |
| ADMINISTRATION                 | 010          |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001      |              | 145.18     | 1,656.88                          | 1,656.88      |             | 1,656.88-               |               |
| DEPARTMENTAL OVERHEAD 9012     |              | 21.05      | 240.23                            | 240.23        |             | 240.23-                 |               |
| TOTAL TASK                     |              | 166.23     | 1,897.11                          | 1,897.11      |             | 1,897.11-               |               |
| MAINTENANCE                    | 050          |            |                                   |               |             |                         |               |
| ARCOR PERSONNEL SERVICES 6492  |              | 155.21     | 184.92                            | 184.92        |             | 184.92-                 |               |
| REG HRS DIRECT LABOR 9001      |              | 267.81     | 10,182.55                         | 10,182.55     |             | 10,182.55-              |               |
| DEPARTMENTAL OVERHEAD 9012     |              | 38.85      | 1,476.54                          | 1,476.54      |             | 1,476.54-               |               |
| TOTAL TASK                     |              | 461.87     | 11,844.01                         | 11,844.01     |             | 11,844.01-              |               |
| TOTAL OPTION                   | 1,898,000.00 | 124,653.88 | 182,812.14                        | 182,812.14    |             | 1,715,187.86            | .09           |
| VANDAL DAMAGE REPAIR           | VDL          |            |                                   |               |             |                         |               |
| MAINTENANCE                    | 050          |            |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001      |              |            | 41.38                             | 41.38         |             | 41.38-                  |               |
| DEPARTMENTAL OVERHEAD 9012     |              |            | 6.00                              | 6.00          |             | 6.00-                   |               |
| TOTAL TASK                     |              |            | 47.38                             | 47.38         |             | 47.38-                  |               |
| TOTAL OPTION                   |              |            | 47.38                             | 47.38         |             | 47.38-                  |               |
| TOTAL PERFORMING ORG           | 1,898,000.00 | 124,653.88 | 182,859.52                        | 182,859.52    |             | 1,715,140.48            | .09           |
| TOTAL LABOR AND OTHER CHARGES  | 1,898,000.00 | 124,593.98 | 181,136.75                        | 181,136.75    |             | 1,716,863.25            | .09           |
| TOTAL OVERHEAD                 |              | 59.90      | 1,722.77                          | 1,722.77      |             | 1,722.77-               |               |
| TOTAL EXPENDITURES & ENCUMB    | 1,898,000.00 | 124,653.88 | 182,859.52                        | 182,859.52    |             | 1,715,140.48            | .09           |
| TOTAL REVENUE                  |              |            |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             | 1,898,000.00 | 124,653.88 | 182,859.52                        | 182,859.52    |             |                         |               |

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ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
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|--------------------------------|--------|--------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |        |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |        |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |        |                                   |               |             |                         |               |
| FLOOD CONTROL LICENSES         | 3161   |        | 125.00                            | 125.00        | 125.00      | 125.00-                 |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |        |                                   | 97.50         | 97.50       | 97.50-                  |               |
| REG HRS DIRECT LABOR           | 9001   |        | 81.67-                            | 1,579.38      | 1,579.38    | 1,579.38-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |        |                                   | 240.86        | 240.86      | 240.86-                 |               |
| TOTAL TASK                     |        |        | 206.67-                           | 1,792.74      | 1,792.74    | 1,792.74-               |               |
| MAINTENANCE                    | 050    |        |                                   |               |             |                         |               |
| ARCOR PERSONNEL SERVICES       | 6492   |        | 3,769.60                          | 12,686.56     | 12,686.56   | 12,686.56-              |               |
| OTHER RENTALS                  | 6659   |        | 12,546.76                         | 67,101.74     | 67,101.74   | 67,101.74-              |               |
| REFUSE REMOVAL                 | 6851   |        | 400.00                            | 400.00        | 400.00      | 400.00-                 |               |
| REG HRS DIRECT LABOR           | 9001   |        | 7,956.93                          | 120,223.71    | 120,223.71  | 120,223.71-             |               |
| DEPARTMENTAL OVERHEAD          | 9012   |        | 1,328.41                          | 17,596.56     | 17,596.56   | 17,596.56-              |               |
| TOTAL TASK                     |        |        | 26,001.70                         | 218,008.57    | 218,008.57  | 218,008.57-             |               |
| TOTAL OPTION                   |        |        | 25,795.03                         | 219,801.31    | 219,801.31  | 219,801.31-             |               |
| TOTAL PERFORMING ORG           |        |        | 25,795.03                         | 219,801.31    | 219,801.31  | 219,801.31-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        |        | 24,591.62                         | 202,088.89    | 202,088.89  | 202,088.89-             |               |
| TOTAL OVERHEAD                 |        |        | 1,328.41                          | 17,837.42     | 17,837.42   | 17,837.42-              |               |
| TOTAL EXPENDITURES & ENCUMB    |        |        | 25,920.03                         | 219,926.31    | 219,926.31  | 219,926.31-             |               |
| TOTAL REVENUE                  |        |        | 125.00                            | 125.00        | 125.00      | 125.00-                 |               |
| TOTAL NET ACTIVITY             |        |        | 25,795.03                         | 219,801.31    | 219,801.31  |                         |               |

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|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| STANDARD                       | STD    |            |                                   |               |             |                         |               |
| ACCOUNTS REC NON PATIENT       | 0450   | 405,625.25 | 2,707,170.13                      | 2,707,170.13  |             | 2,707,170.13-           |               |
| TOTAL TASK                     |        | 405,625.25 | 2,707,170.13                      | 2,707,170.13  |             | 2,707,170.13-           |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 210.00     | 1,094.25                          | 1,094.25      |             | 1,094.25-               |               |
| REG HRS DIRECT LABOR           | 9001   | 221.55     | 4,906.25                          | 4,906.25      |             | 4,906.25-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 44.00      | 722.97                            | 722.97        |             | 722.97-                 |               |
| TOTAL TASK                     |        | 475.55     | 6,723.47                          | 6,723.47      |             | 6,723.47-               |               |
| MAINTENANCE                    | 050    |            |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV        | 6468   |            | 6,662.26                          | 6,662.26      |             | 6,662.26-               |               |
| ARCOR PERSONNEL SERVICES       | 6492   | 44.04      | 127.90                            | 127.90        |             | 127.90-                 |               |
| REFUSE REMOVAL                 | 6851   | 100.00     | 200.00                            | 200.00        |             | 200.00-                 |               |
| REG HRS DIRECT LABOR           | 9001   | 715.46     | 10,368.71                         | 10,368.71     |             | 10,368.71-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 107.23     | 1,507.55                          | 1,507.55      |             | 1,507.55-               |               |
| TOTAL TASK                     |        | 966.73     | 18,866.42                         | 18,866.42     |             | 18,866.42-              |               |
| TOTAL OPTION                   |        | 407,067.53 | 2,732,760.02                      | 2,732,760.02  |             | 2,732,760.02-           |               |
| TOTAL PERFORMING ORG           |        | 407,067.53 | 2,732,760.02                      | 2,732,760.02  |             | 2,732,760.02-           |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 406,916.30 | 2,730,529.50                      | 2,730,529.50  |             | 2,730,529.50-           |               |
| TOTAL OVERHEAD                 |        | 151.23     | 2,230.52                          | 2,230.52      |             | 2,230.52-               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 407,067.53 | 2,732,760.02                      | 2,732,760.02  |             | 2,732,760.02-           |               |
| TOTAL REVENUE                  |        |            |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 407,067.53 | 2,732,760.02                      | 2,732,760.02  |             |                         |               |

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 DATE RUN 08/18/90  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CAPITAL PROJECTS-OTHER         |        |        |                                   |               |             |                         |               |
| OPTION CODE BLANK              | 0450   |        |                                   |               |             |                         |               |
| STANDARD                       | 0991   |        |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   |        |                                   |               |             |                         |               |
| LAND ACQUISITION-OTHER         | 7803   |        |                                   |               |             |                         |               |
| CONS WORK IN PROGRESS          | 7821   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| ADMINISTRATION                 |        |        |                                   |               |             |                         |               |
| TRANSFR FR FLOOD CONTROL       | 010    |        |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   |        |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |        |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   |        |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV        | 6468   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| RIGHT OF WAY                   |        |        |                                   |               |             |                         |               |
| TRANSFR FR FLOOD CONTROL       | 020    |        |                                   |               |             |                         |               |
| OTHER MISC REV                 | 3779   |        |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   |        |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |        |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   |        |                                   |               |             |                         |               |
| INTEREST-OTHER                 | 6949   |        |                                   |               |             |                         |               |
| TAXES & ASSESSMENTS            | 6969   |        |                                   |               |             |                         |               |
| LAND ACQUISITION-OTHER         | 7803   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| FACILITY RELOCATION            |        |        |                                   |               |             |                         |               |
| TRANSFR FR FLOOD CONTROL       | 030    |        |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| CONSTRUCTION                   |        |        |                                   |               |             |                         |               |
| TRANSFR FR FLOOD CONTROL       | 040    |        |                                   |               |             |                         |               |
| OTHER MISC REV                 | 3779   |        |                                   |               |             |                         |               |
| REGULAR SALARIES               | 5011   |        |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   |        |                                   |               |             |                         |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |        |                                   |               |             |                         |               |
| OTHER IMP O/T BUILDINGS        | 7829   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| ERROR                          |        |        |                                   |               |             |                         |               |
| TRANSFR FR FLOOD CONTROL       | 111    |        |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV        | 0991   |        |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV        | 6468   |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   |               |             |                         |               |
| TOTAL OPTION                   |        |        |                                   |               |             |                         |               |

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ACTIVITY 6C1065 SALT GILA CONTROL WORKS  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1990 THRU JUNE 48, 1990

PAGE NUMBER 5236  
 DATE RUN 08/18/90  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD     | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| 999                            |        |            |                                   |               |             |                         |               |
| 998                            |        |            |                                   |               |             |                         |               |
| EXCESS COST REV W/A            | 3898   |            |                                   | 393,879.80-   |             | 393,879.80              |               |
| TOTAL TASK                     |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL OPTION                   |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| TOTAL PERFORMING ORG           |        |            |                                   | 393,879.80    |             | 393,879.80-             |               |
| FLOOD CONTROL                  | 6900   |            |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |            |                                   |               |             |                         |               |
| STANDARD                       | STD    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |            |                                   | 74.48-        |             | 74.48                   |               |
| REG HRS DIRECT LABOR           | 9001   |            |                                   | 145.79        |             | 145.79-                 |               |
| OVERTIME DIRECT LABOR          | 9002   |            |                                   | 16.15         |             | 16.15-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            |                                   | 23.48         |             | 23.48-                  |               |
| TOTAL TASK                     |        |            |                                   | 110.94        |             | 110.94-                 |               |
| ADMINISTRATION                 | 010    |            |                                   |               |             |                         |               |
| STATE SHARE OF COSTS           | 3281   |            |                                   | 600,000.00    |             | 600,000.00-             |               |
| INTRA-FUND CREDIT              | 5991   | 6,860.30-  | 12,869.07-                        | 25,797.21-    |             | 25,797.21               |               |
| OTHER PROFESSIONAL SERV        | 6468   |            |                                   | 96,502.50     |             | 96,502.50-              |               |
| PRINTING-BINDING-DUPLIC        | 6687   |            |                                   | 33.00         |             | 33.00-                  |               |
| REG HRS DIRECT LABOR           | 9001   | 741.02     | 11,239.64                         | 64,551.14     |             | 64,551.14-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 107.39     | 1,629.43                          | 9,361.67      |             | 9,361.67-               |               |
| TOTAL TASK                     |        | 6,011.89-  |                                   | 455,348.90-   |             | 455,348.90              |               |
| RIGHT OF WAY                   | 020    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 28,377.29- | 51,375.81-                        | 103,625.18-   |             | 103,625.18              |               |
| ENGINEERING                    | 6447   |            | 669.00                            | 669.00        |             | 669.00-                 |               |
| TAXES & ASSESSMENTS            | 6969   |            |                                   | 579.32-       |             | 579.32                  |               |
| LAND ACQUISITION-ROW           | 7802   | 2,732.45   | 36,273.70                         | 46,728.15     |             | 46,728.15-              |               |
| LAND ACQUISITION-OTHER         | 7803   |            | 63,585.50-                        | 186,458.22    |             | 186,458.22-             |               |
| REG HRS DIRECT LABOR           | 9001   | 5,465.21   | 44,362.63                         | 119,150.00    |             | 119,150.00-             |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 866.05     | 6,506.85                          | 17,351.99     |             | 17,351.99-              |               |
| TOTAL TASK                     |        | 19,313.58- | 27,149.13-                        | 266,152.86    |             | 266,152.86-             |               |
| FACILITY RELOCATIONS           | 030    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 1,472.58-  | 1,654.96-                         | 4,198.47-     |             | 4,198.47                |               |
| REG HRS DIRECT LABOR           | 9001   |            | 1,445.06                          | 19,520.65     |             | 19,520.65-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |            | 209.90                            | 2,829.05      |             | 2,829.05-               |               |
| TOTAL TASK                     |        | 1,472.58-  |                                   | 18,151.23     |             | 18,151.23-              |               |
| CONSTRUCTION                   | 040    |            |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 1,531.67-  | 7,208.33-                         | 22,643.56-    |             | 22,643.56               |               |
| ENGINEERING                    | 6447   |            |                                   | 59,000.00     |             | 59,000.00-              |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |            |                                   | 24.80         |             | 24.80-                  |               |
| OTHER IMP O/T BUILDINGS        | 7829   |            |                                   | 345,381.48    |             | 345,381.48-             |               |
| REG HRS DIRECT LABOR           | 9001   | 13.24      | 6,296.09                          | 65,464.80     |             | 65,464.80-              |               |
| OVERTIME DIRECT LABOR          | 9002   |            |                                   | 115.35        |             | 115.35-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 1.92       | 912.24                            | 9,507.84      |             | 9,507.84-               |               |

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ACTIVITY 6A1065 SALT/GILA CRC-STANDARD  
 REPORT 010977-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1991 THRU JUNE 30, 1991

PAGE NUMBER 5425  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOR CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE PLANK              | 666    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   | 387.63    | 2,597.51                          | 2,597.51      |             | 2,597.51                |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 55.16     | 377.21                            | 377.21        |             | 377.21                  |               |
| TOTAL TASK                     |        | 443.79    | 2,974.72                          | 2,974.72      |             | 2,974.72                |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| APCOR PERSONNEL SERVICES       | 6492   | 11,321.39 | 11,321.39                         | 11,321.39     |             | 11,321.39               |               |
| OTHER RENTALS                  | 6659   |           | 9,985.96                          | 9,985.96      |             | 9,985.96                |               |
| REG HRS DIRECT LABOR           | 9001   | 11,637.15 | 108,011.62                        | 108,011.62    |             | 108,011.62              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 1,532.26  | 16,192.30                         | 16,192.30     |             | 16,192.30               |               |
| TOTAL TASK                     |        | 24,490.80 | 145,511.27                        | 145,511.27    |             | 145,511.27              |               |
| TOTAL OPTION                   |        | 24,934.59 | 148,485.99                        | 148,485.99    |             | 148,485.99              |               |
| ENVIRONMENTAL IMPACT           | EIS    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 26.85                             | 26.85         |             | 26.85                   |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 3.89                              | 3.89          |             | 3.89                    |               |
| TOTAL TASK                     |        |           | 30.74                             | 30.74         |             | 30.74                   |               |
| HPLES EXPENDITURES             | 090    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 21.48                             | 21.48         |             | 21.48                   |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 3.11                              | 3.11          |             | 3.11                    |               |
| TOTAL TASK                     |        |           | 24.59                             | 24.59         |             | 24.59                   |               |
| TOTAL OPTION                   |        |           | 55.33                             | 55.33         |             | 55.33                   |               |
| RENTAL PROGRAM                 | RWM    |           |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 126.50                            | 126.50        |             | 126.50                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 18.32                             | 18.32         |             | 18.32                   |               |
| TOTAL TASK                     |        |           | 144.82                            | 144.82        |             | 144.82                  |               |
| TOTAL OPTION                   |        |           | 144.82                            | 144.82        |             | 144.82                  |               |
| TOTAL PERFORMING ORG           |        | 24,934.59 | 148,686.14                        | 148,686.14    |             | 148,686.14              |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 23,346.17 | 132,091.31                        | 132,091.31    |             | 132,091.31              |               |
| TOTAL OVERHEAD                 |        | 1,588.42  | 16,594.83                         | 16,594.83     |             | 16,594.83               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 24,934.59 | 148,686.14                        | 148,686.14    |             | 148,686.14              |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 24,934.59 | 148,686.14                        | 148,686.14    |             |                         |               |

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ACTIVITY 6A1065 SALT/GILA CONT #RC-STD  
 REPORT 010977-57

MARICOPA COUNTY  
 ACTIVITY STATUS

PAGE NUMBER 5426  
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ACTIVITY 04166 SALT/GILA CONT ARC-SID  
 REPORT 10-1-97-97  
 FISCAL YEAR CLASSIFIED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JJUN 31, 1991 THRU JUNE 48, 1991

PAGE NUMBER 5426  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE                                                                                                                                                                  | BUDGET                                                      | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CAPITAL PROJECTS-OTHER<br>OPTION CODE FLANK<br>RIGHT OF WAY                                                                                                                                     | 0450<br>***<br>020<br>7991                                  |              |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 10,475.34    | 10,475.34                         | 10,475.34     |             | 10,475.34-              |               |
| TOTAL TASK                                                                                                                                                                                      |                                                             | 10,475.34-   | 10,475.34-                        | 10,475.34-    |             | 10,475.34               |               |
| TOTAL OPTION                                                                                                                                                                                    |                                                             | 10,475.34-   | 10,475.34-                        | 10,475.34-    |             | 10,475.34               |               |
| TOTAL PERFORMING ORG                                                                                                                                                                            |                                                             | 10,475.34-   | 10,475.34-                        | 10,475.34-    |             | 10,475.34               |               |
| <hr/>                                                                                                                                                                                           |                                                             |              |                                   |               |             |                         |               |
| FLOOD CONTROL<br>OPTION CODE FLANK<br>STANDARD<br>TRANSFER CAP PROJECT OTH FD 0450                                                                                                              | 6900<br>***<br>510<br>0450                                  |              |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 2,186,736.62 | 4,933,929.04                      | 4,933,929.04  |             | 4,933,929.04-           |               |
| TOTAL TASK                                                                                                                                                                                      |                                                             | 2,186,736.62 | 4,933,929.04                      | 4,933,929.04  |             | 4,933,929.04-           |               |
| <hr/>                                                                                                                                                                                           |                                                             |              |                                   |               |             |                         |               |
| ADMINISTRATION<br>ATTORNEYS OTHER NON-COJNT<br>OTHER PROFESSIONAL SERV<br>OTHER SERVICES<br>PRINTING-BINDING-DUPIC<br>OTHER MAIL & ADV EXPENSE<br>REG HRS DIRECT LABOR<br>DEPARTMENTAL OVERHEAD | 010<br>6431<br>6468<br>6499<br>6687<br>6699<br>9001<br>9012 |              |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 790.00       | 1,110.00                          | 1,110.00      |             | 1,110.00-               |               |
|                                                                                                                                                                                                 |                                                             | 289.68       | 289.68                            | 289.68        |             | 289.68-                 |               |
|                                                                                                                                                                                                 |                                                             | 107.35       | 107.35                            | 107.35        |             | 107.35-                 |               |
|                                                                                                                                                                                                 |                                                             | 26.63        | 26.63                             | 26.63         |             | 26.63-                  |               |
|                                                                                                                                                                                                 |                                                             | 776.56       | 776.56                            | 776.56        |             | 776.56-                 |               |
|                                                                                                                                                                                                 |                                                             | 365.49       | 2,238.97                          | 2,238.97      |             | 2,238.97-               |               |
|                                                                                                                                                                                                 |                                                             | 50.82        | 322.55                            | 322.55        |             | 322.55-                 |               |
| TOTAL TASK                                                                                                                                                                                      |                                                             | 2,406.53     | 4,871.74                          | 4,871.74      |             | 4,871.74-               |               |
| <hr/>                                                                                                                                                                                           |                                                             |              |                                   |               |             |                         |               |
| CONSTRUCTION<br>REG HRS DIRECT LABOR<br>DEPARTMENTAL OVERHEAD                                                                                                                                   | 040<br>9001<br>9012                                         |              |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 334.00-      |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 48.40-       |                                   |               |             |                         |               |
| TOTAL TASK                                                                                                                                                                                      |                                                             | 382.40-      |                                   |               |             |                         |               |
| <hr/>                                                                                                                                                                                           |                                                             |              |                                   |               |             |                         |               |
| MAINTENANCE<br>OTHER PROFESSIONAL SERV<br>AFOR PERSONNEL SERVICES<br>REFUSE REMOVAL<br>REG HRS DIRECT LABOR<br>DEPARTMENTAL OVERHEAD                                                            | 050<br>6468<br>6492<br>6551<br>9001<br>9012                 |              |                                   |               |             |                         |               |
|                                                                                                                                                                                                 |                                                             | 19,617.80    | 19,617.80                         | 19,617.80     |             | 19,617.80-              |               |
|                                                                                                                                                                                                 |                                                             | 2,426.32     | 2,426.32                          | 2,426.32      |             | 2,426.32-               |               |
|                                                                                                                                                                                                 |                                                             | 117.65       | 667.84                            | 667.84        |             | 667.84-                 |               |
|                                                                                                                                                                                                 |                                                             | 74.30        | 12,630.39                         | 12,630.39     |             | 12,630.39-              |               |
|                                                                                                                                                                                                 |                                                             | 11.79        | 1,792.24                          | 1,792.24      |             | 1,792.24-               |               |
| TOTAL TASK                                                                                                                                                                                      |                                                             | 22,247.96    | 37,134.59                         | 37,134.59     |             | 37,134.59-              |               |
| TOTAL OPTION                                                                                                                                                                                    |                                                             | 2,211,008.61 | 4,975,935.37                      | 4,975,935.37  |             | 4,975,935.37-           |               |
| TOTAL PERFORMING ORG                                                                                                                                                                            |                                                             | 2,211,008.61 | 4,975,935.37                      | 4,975,935.37  |             | 4,975,935.37-           |               |
| <hr/>                                                                                                                                                                                           |                                                             |              |                                   |               |             |                         |               |
| TOTAL LABOR AND OTHER CHARGES                                                                                                                                                                   |                                                             | 2,210,994.40 | 4,973,820.58                      | 4,973,820.58  |             | 4,973,820.58-           |               |
| TOTAL OVERHEAD                                                                                                                                                                                  |                                                             | 14.71        | 2,114.79                          | 2,114.79      |             | 2,114.79-               |               |
| TOTAL EXPENDITURES & ENCUMB                                                                                                                                                                     |                                                             | 2,211,008.61 | 4,975,935.37                      | 4,975,935.37  |             | 4,975,935.37-           |               |
| TOTAL REVENUE                                                                                                                                                                                   |                                                             | 10,475.34    | 10,475.34                         | 10,475.34     |             | 10,475.34-              |               |
| TOTAL NET ACTIVITY                                                                                                                                                                              |                                                             | 2,200,533.27 | 4,965,460.03                      | 4,965,460.03  |             |                         |               |

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ACTIVITY 60165 SALT GILA CONTROL WORKS  
 REPORT 10107-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1991 THRU JUNE 48, 1991

PAGE NUMBER 5530  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/DEPT/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED BALANCE | PCT. COMP. |
|------------------------------|--------|--------------|--------------------------------|---------------|-------------|----------------------|------------|
| CAPITAL PROJECTS-OTHER       | 9450   |              |                                |               |             |                      |            |
| OPTION CODE BLANK            | 444    |              |                                |               |             |                      |            |
| STANDARD                     | STD    |              |                                |               |             |                      |            |
| TRANSFER FLOOD CONTROL       | 0971   | 90,929.04    | 90,929.04                      | 82,329.90     |             | 3,451,670.10         | -0%        |
| ENGINEERING                  | 6447   |              |                                | 8,684.72      |             | 8,684.72             |            |
| LAND ACQUISITION-OTHER       | 7903   |              |                                | 85.58         |             | 85.58                |            |
| CONS WORK IN PROGRESS        | 7991   | 3,534,000.00 |                                |               |             | 3,534,000.00         |            |
| TOTAL TASK                   |        | 90,929.04-   | 90,929.04-                     | 90,929.04-    |             | 90,929.04            |            |
| ADMINISTRATION               | 010    |              |                                |               |             |                      |            |
| TRANSFER FR FLOOD CONTROL    | 0991   | 19,550.75    | 23,514.81                      | 68,242.94     |             | 68,242.94            |            |
| REGULAR SALARIES             | 5011   | 17,476.25    | 21,440.31                      | 47,237.52     |             | 47,237.52            |            |
| ATTORNEYS OTHER NON-COUNT    | 6431   |              |                                | 1,395.60      |             | 1,395.60             |            |
| ENGINEERING                  | 6447   | 2,074.50     | 2,074.50                       | 19,384.82     |             | 19,384.82            |            |
| OTHER PROFESSIONAL SERV      | 6468   |              |                                | 225.00        |             | 225.00               |            |
| TOTAL TASK                   |        |              |                                |               |             |                      |            |
| RIGHT OF WAY                 | 020    |              |                                |               |             |                      |            |
| TRANSFER FR FLOOD CONTROL    | 0991   | 2,153,035.27 | 3,734,431.32                   | 6,034,543.93  |             | 6,034,543.93         |            |
| OTHER DISC REV               | 3779   |              |                                | 95,789.10     |             | 95,789.10            |            |
| REGULAR SALARIES             | 5011   | 21,121.39    | 35,525.94                      | 140,082.40    |             | 140,082.40           |            |
| ATTORNEYS OTHER NON-COUNT    | 6431   |              |                                | 681.20        |             | 681.20               |            |
| ENGINEERING                  | 6447   | 20,552.00    | 23,976.10                      | 36,176.10     |             | 36,176.10            |            |
| INTEREST-OTHER               | 6949   |              |                                | 2,546.75      |             | 2,546.75             |            |
| TAXES & ASSESSMENTS          | 6969   |              |                                | 526.56        |             | 526.56               |            |
| LAND ACQUISITION-ROW         | 7902   | 13,099.75    | 13,099.75                      | 13,099.75     |             | 13,099.75            |            |
| LAND ACQUISITION-OTHER       | 7903   | 2,098,262.13 | 3,659,293.82                   | 5,745,642.07  |             | 5,745,642.07         |            |
| TOTAL TASK                   |        |              |                                |               |             |                      |            |
| FACILITY RELOCATION          | 030    |              |                                |               |             |                      |            |
| TRANSFER FR FLOOD CONTROL    | 0991   | 3,326.38     | 4,174.77                       | 8,373.24      |             | 8,373.24             |            |
| REGULAR SALARIES             | 5011   | 3,326.38     | 4,174.77                       | 8,373.24      |             | 8,373.24             |            |
| TOTAL TASK                   |        |              |                                |               |             |                      |            |
| CONSTRUCTION                 | 040    |              |                                |               |             |                      |            |
| TRANSFER FR FLOOD CONTROL    | 0971   | 10,824.22    | 1,171,808.14                   | 3,352,207.09  |             | 3,352,207.09         |            |
| OTHER DISC REV               | 3779   |              |                                | 396,203.61    |             | 396,203.61           |            |
| REGULAR SALARIES             | 5011   | 6,330.02     | 6,845.09                       | 29,488.65     |             | 29,488.65            |            |
| ENGINEERING                  | 6447   | 4,494.20     | 71,370.00                      | 146,210.00    |             | 146,210.00           |            |
| PUBLISH OF LEGAL NOTICES     | 6591   |              |                                | 21.70         |             | 21.70                |            |
| OTHER IMP O/T BUILDINGS      | 7929   |              | 1,093,593.05                   | 3,572,690.35  |             | 3,572,690.35         |            |
| TOTAL TASK                   |        |              |                                |               |             |                      |            |
| ERROR                        | 111    |              |                                |               | 700.00      | 700.00               |            |
| TRANSFER FR FLOOD CONTROL    | 0991   |              |                                |               | 700.00      | 700.00               |            |
| OTHER PROFESSIONAL SERV      | 6468   |              |                                |               |             |                      |            |
| TOTAL TASK                   |        |              |                                |               |             |                      |            |
| TOTAL OPTION                 |        | 90,929.04-   | 90,929.04-                     | 90,929.04-    |             | 90,929.04            |            |

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ACTIVITY 601065 SALT GILA CONTROL WORKS  
 REPORT 01097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1991 THRU JUNE 48, 1991

PAGE NUMBER 5531  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/LOCATION/TASK/COST ACCT CODE | BUDGET                     | PERIOD | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE               | UNENCUMBERED BALANCE    | PCT. COMP. |
|----------------------------------|----------------------------|--------|--------------------------------|---------------|---------------------------|-------------------------|------------|
| EXCESS COST REV W/A              | 999<br>998<br>0898<br>3998 |        | 90,929.04-                     | 90,929.04-    | 90,929.04-<br>393,879.80- | 90,929.04<br>393,879.80 |            |
| TOTAL TASK                       |                            |        | 90,929.04                      | 90,929.04     | 484,808.84                | 484,808.84-             |            |
| TOTAL OPTIDL                     |                            |        | 90,929.04                      | 90,929.04     | 484,808.84                | 484,808.84-             |            |
| TOTAL PERFORMING ORG             |                            |        |                                |               | 393,879.80                | 393,879.80-             |            |
| FLOOD CONTROL                    | 6970                       |        |                                |               |                           |                         |            |
| OPTIDL CODE FLANK                | 444                        |        |                                |               |                           |                         |            |
| STANDARD                         | STD                        |        |                                |               |                           |                         |            |
| TRANSFER CAP PROJECT OTH FD      | 0450                       |        | 10,475.34                      | 10,475.34     | 10,475.34                 | 10,475.34-              |            |
| INTRA-FUND CREDIT                | 5991                       |        |                                |               | 74.48-                    | 74.48-                  |            |
| REG HRS DIRECT LABOR             | 9001                       |        |                                |               | 145.79                    | 145.79-                 |            |
| OVERTIME DIRECT LABOR            | 9002                       |        |                                |               | 16.15                     | 16.15-                  |            |
| DEPARTMENTAL OVERHEAD            | 9012                       |        |                                |               | 23.48                     | 23.48-                  |            |
| TOTAL TASK                       |                            |        | 10,475.34                      | 10,475.34     | 10,586.28                 | 10,586.28-              |            |
| ADMINISTRATION                   | 010                        |        |                                |               |                           |                         |            |
| STATE SHARE OF COSTS             | 3281                       |        |                                |               |                           |                         |            |
| INTRA-FUND CREDIT                | 5991                       |        | 17,476.25-                     | 21,440.31-    | 600,000.00                | 600,000.00-             |            |
| OTHER PROFESSIONAL SERV          | 6468                       |        |                                |               | 47,237.52-                | 47,237.52-              |            |
| PRINTING-BINDING-DUPLIC          | 6687                       |        |                                |               | 96,502.50                 | 96,502.50-              |            |
| REG HRS DIRECT LABOR             | 9001                       |        | 5,220.96                       | 18,647.26     | 33.00                     | 33.00-                  |            |
| DEPARTMENTAL OVERHEAD            | 9012                       |        | 765.95                         | 2,713.84      | 83,198.40                 | 83,198.40-              |            |
|                                  |                            |        |                                |               | 12,077.51                 | 12,077.51-              |            |
| TOTAL TASK                       |                            |        | 11,489.34-                     | 77.21-        | 455,426.11-               | 455,426.11              |            |
| RIGHT OF WAY                     | 020                        |        |                                |               |                           |                         |            |
| INTRA-FUND CREDIT                | 5991                       |        | 20,623.84-                     | 34,977.54-    | 138,602.72-               | 138,602.72-             |            |
| ENGINEERING                      | 6447                       |        |                                |               | 669.00                    | 669.00-                 |            |
| TAXES & ASSESSMENTS              | 5949                       |        |                                |               | 579.32-                   | 579.32-                 |            |
| LAND ACQUISITION-ROW             | 7802                       |        | 10,540.61-                     | 4,901.84      | 51,629.99                 | 51,629.99-              |            |
| LAND ACQUISITION-OTHER           | 7803                       |        | 151.05                         | 80.00-        | 186,378.22                | 186,378.22-             |            |
| REG HRS DIRECT LABOR             | 9001                       |        | 2,634.22                       | 30,463.30     | 149,613.30                | 149,613.30-             |            |
| DEPARTMENTAL OVERHEAD            | 9012                       |        | 395.26                         | 4,485.98      | 21,837.97                 | 21,837.97-              |            |
| TOTAL TASK                       |                            |        | 27,983.92-                     | 4,793.58      | 270,946.44                | 270,946.44-             |            |
| FACILITY RELOCATIONS             | 030                        |        |                                |               |                           |                         |            |
| INTRA-FUND CREDIT                | 5991                       |        | 3,326.38-                      | 4,174.77-     | 8,373.24-                 | 8,373.24-               |            |
| REG HRS DIRECT LABOR             | 9001                       |        | 457.47                         | 3,646.48      | 23,167.13                 | 23,167.13-              |            |
| DEPARTMENTAL OVERHEAD            | 9012                       |        | 66.24                          | 528.29        | 3,357.34                  | 3,357.34-               |            |
| TOTAL TASK                       |                            |        | 2,802.67-                      |               | 18,151.23                 | 18,151.23-              |            |
| CONSTRUCTION                     | 040                        |        |                                |               |                           |                         |            |
| INTRA-FUND CREDIT                | 5991                       |        | 6,330.02-                      | 6,845.09-     | 29,488.65-                | 29,488.65-              |            |
| ENGINEERING                      | 6447                       |        |                                |               | 59,000.00                 | 59,000.00-              |            |
| PUBLISH OF LEGAL NOTICES         | 6591                       |        |                                |               | 24.80                     | 24.80-                  |            |
| OTHER IMP G/T BUILDINGS          | 7829                       |        |                                |               | 345,381.48                | 345,381.48-             |            |

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ACTIVITY 301665 SALT GILA CONTROL WORKS  
 REPORT 08/20/91  
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MARICOPA COUNTY  
 ACTIVITY STATUS  
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PAGE NUMBER 5532  
 DATE RUN 08/20/91  
 ACCOUNTING PERIOD 12

| ORG/ACTIVITY/SL/COST ACCT CODE | BUDGET       | PERIOD | ACTUAL REV / COST YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE   | UNENCUMBERED BALANCE | PCT. COMP. |
|--------------------------------|--------------|--------|--------------------------------|---------------|---------------|----------------------|------------|
| REGULAR DIRECT LABOR 2001      |              |        | 727.33                         | 6,287.10      | 71,751.90     | 71,751.90-           |            |
| OVERTIME DIRECT LABOR 2002     |              |        |                                |               | 115.35        | 115.35-              |            |
| DEPARTMENTAL OVERHEAD 2012     |              |        | 119.20                         | 915.19        | 10,423.03     | 10,423.03-           |            |
| TOTAL TASK                     |              |        | 5,413.49-                      | 357.20        | 457,207.91    | 457,207.91-          |            |
| COST SHARING                   | 080          |        |                                |               |               |                      |            |
| REGULAR DIRECT LABOR 9001      |              |        |                                |               | 277.92        | 277.92-              |            |
| DEPARTMENTAL OVERHEAD 9012     |              |        |                                |               | 40.32         | 40.32-               |            |
| TOTAL TASK                     |              |        |                                |               | 318.24        | 318.24-              |            |
| TOTAL OPTION                   |              |        | 37,214.08-                     | 15,548.91     | 301,783.99    | 301,783.99-          |            |
| TOTAL PERFORMING ORG           |              |        | 37,214.08-                     | 15,548.91     | 301,783.99    | 301,783.99-          |            |
| TOTAL LABOR AND OTHER CHARGES  | 3,534,000.00 |        | 2,148,175.89                   | 4,940,832.65  | 10,609,906.91 | 7,075,906.91-        | 3.00       |
| TOTAL OVERHEAD                 |              |        | 1,346.65                       | 8,645.30      | 47,759.65     | 47,759.65-           |            |
| TOTAL EXPENDITURES & ENCUMB    | 3,534,000.00 |        | 2,149,522.54                   | 4,949,477.95  | 10,657,666.56 | 7,123,666.56-        | 3.01       |
| TOTAL REVENUE                  | 3,534,000.00 |        | 2,186,736.62                   | 4,933,929.04  | 9,962,002.77  | 6,428,002.77-        | 2.81       |
| TOTAL NET ACTIVITY             |              |        | 37,214.08-                     | 15,548.91     | 695,663.79    |                      |            |

MARICOPA COUNTY ARMS REPORTING

ACTIVITY 6A1065 SALT/GILA C&C-STANDARD  
 REPORT 301097-57  
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MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1992 THRU JUNE 30, 1992

PAGE NUMBER 6136  
 DATE RUN 08/21/92  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV /<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                              |               |             |                         |               |
| OPTION CODE BLANK              | MNN    |           |                              |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                              |               |             |                         |               |
| FLOOD CONTROL LICENSES         | 3161   |           | 150.00                       | 150.00        |             | 150.00-                 |               |
| ENGINEERING                    | 6447   | 391.88    | 391.88                       | 391.88        |             | 391.88-                 |               |
| OTHER PROFESSIONAL SERV        | 6468   |           | 1,500.00                     | 1,500.00      |             | 1,500.00-               |               |
| OTHER SERVICES                 | 6499   | 304.48    | 464.33                       | 464.33        |             | 464.33-                 |               |
| REG HRS DIRECT LABOR           | 9001   | 60.84     | 1,228.36                     | 1,228.36      |             | 1,228.36-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 8.84      | 178.25                       | 178.25        |             | 178.25-                 |               |
| TOTAL TASK                     |        | 766.04    | 3,612.82                     | 3,612.82      |             | 3,612.82-               |               |
| MAINTENANCE                    | 050    |           |                              |               |             |                         |               |
| GROUPS RM SUPPLIES             | 6231   | 533.50    | 959.23                       | 959.23        |             | 959.23-                 |               |
| ARCOR PERSONNEL SERVICES       | 6492   | 6,039.21  | 18,585.04                    | 18,585.04     |             | 18,585.04-              |               |
| OTHER RENTALS                  | 6659   | 37,423.36 | 37,423.36                    | 37,423.36     |             | 37,423.36-              |               |
| REFUSE REMOVAL                 | 6851   |           | 2,662.13                     | 2,662.13      |             | 2,662.13-               |               |
| REG HRS DIRECT LABOR           | 9001   | 8,127.00  | 187,387.86                   | 187,387.86    |             | 187,387.86-             |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 1,322.98  | 27,617.14                    | 27,617.14     |             | 27,617.14-              |               |
| TOTAL TASK                     |        | 53,445.97 | 274,634.78                   | 274,634.78    |             | 274,634.78-             |               |
| TOTAL OPTION                   |        | 54,212.01 | 278,247.60                   | 278,247.60    |             | 278,247.60-             |               |
| RENTAL PROGRAM                 | RWH    |           |                              |               |             |                         |               |
| MAINTENANCE                    | 050    |           |                              |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 710.64                       | 710.64        |             | 710.64-                 |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 103.14                       | 103.14        |             | 103.14-                 |               |
| TOTAL TASK                     |        |           | 813.78                       | 813.78        |             | 813.78-                 |               |
| TOTAL OPTION                   |        |           | 813.78                       | 813.78        |             | 813.78-                 |               |
| TOTAL PERFORMING ORG           |        | 54,212.01 | 279,061.38                   | 279,061.38    |             | 279,061.38-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 52,880.27 | 251,312.83                   | 251,312.83    |             | 251,312.83-             |               |
| TOTAL OVERHEAD                 |        | 1,331.74  | 27,898.55                    | 27,898.55     |             | 27,898.55-              |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 54,212.01 | 279,211.38                   | 279,211.38    |             | 279,211.38-             |               |
| TOTAL REVENUE                  |        |           | 150.00                       | 150.00        |             | 150.00-                 |               |
| TOTAL NET ACTIVITY             |        | 54,212.01 | 279,061.38                   | 279,061.38    |             |                         |               |

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ACTIVITY 6C1055 SALT/GILA CLR-CHW  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
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 JUNE 01, 1992 THRU JUNE 30, 1992

PAGE NUMBER 6250  
 DATE RUN 08/21/92  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| REG HRS DIRECT LABOR 9001      |        |        |                                   | 25,219.37     |             | 25,219.37-              |               |
| DEPARTMENTAL OVERHEAD 9012     |        |        |                                   | 3,638.43      |             | 3,638.43-               |               |
| TOTAL TASK                     |        |        |                                   | 35,667.24     |             | 35,667.24-              |               |
| FACILITY RELOCATIONS 030       |        |        |                                   | 1,493.78-     |             | 1,493.78'               |               |
| INTRA-FUND CREDIT 5991         |        |        |                                   | 3,786.94      |             | 3,786.94-               |               |
| REG HRS DIRECT LABOR 9001      |        |        |                                   | 549.05        |             | 549.05-                 |               |
| DEPARTMENTAL OVERHEAD 9012     |        |        |                                   |               |             |                         |               |
| TOTAL TASK                     |        |        |                                   | 2,842.21      |             | 2,842.21-               |               |
| CONSTRUCTION 040               |        |        |                                   | 8,369.02-     |             | 8,369.02                |               |
| INTRA-FUND CREDIT 5991         |        |        |                                   | 878.85        |             | 878.85-                 |               |
| LANDSCAPING SUPPLIES 6071      |        |        |                                   | 199.74        |             | 199.74-                 |               |
| ATTORNEYS OTHER NON-COUNT 6431 |        |        |                                   | 41,969.40     |             | 41,969.40-              |               |
| ENGINEERING 6447               |        |        |                                   | 1,242.80      |             | 1,242.80-               |               |
| OTHER PROFESSIONAL SERV 6468   |        |        |                                   | 417.58        |             | 417.58-                 |               |
| OTHER RENTALS 6659             |        |        |                                   | 361.67        |             | 361.67-                 |               |
| PUBLISH OF LEGAL NOTICES 6691  |        |        |                                   | 39.38         |             | 39.38-                  |               |
| OTHER REPAIR & MAINT 6749      |        |        |                                   | 752,752.46    |             | 752,752.46-             |               |
| OTHER IMP O/T BUILDINGS 7829   |        |        |                                   | 58,095.07     |             | 58,095.07-              |               |
| REG HRS DIRECT LABOR 9001      |        |        | 38.50                             | 453.18        |             | 453.18-                 |               |
| OVERTIME DIRECT LABOR 9002     |        |        |                                   | 7,698.61      |             | 7,698.61-               |               |
| DEPARTMENTAL OVERHEAD 9012     |        |        | 5.58                              |               |             |                         |               |
| TOTAL TASK                     |        |        | 44.08                             | 855,739.72    |             | 855,739.72-             |               |
| TOTAL OPTION                   |        |        | 44.08                             | 652,728.31    |             | 652,728.31-             |               |
| TOTAL PERFORMING ORG           |        |        | 44.08                             | 652,728.31    |             | 652,728.31-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        |        | 38.50                             | 967,084.07    |             | 967,084.07-             |               |
| TOTAL OVERHEAD                 |        |        | 5.58                              | 12,612.94     |             | 12,612.94-              |               |
| TOTAL EXPENDITURES & ENCUMB    |        |        | 44.08                             | 979,697.01    |             | 979,697.01-             |               |
| TOTAL REVENUE                  |        |        |                                   | 326,968.70    |             | 326,968.70-             |               |
| TOTAL NET ACTIVITY             |        |        | 44.08                             | 652,728.31    |             |                         |               |

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MARICOPA COUNTY ARMS REPORTING

ACTIVITY 6A106S SALT/GILA CONT WRK-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1992 THRU JUNE 08, 1992

PAGE NUMBER 6137  
 DATE RUN 08/21/92  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | MMM    |           |                                   |               |             |                         |               |
| STANDARD                       | STD    |           |                                   |               |             |                         |               |
| ACCOUNTS REC NON PATIENT       | 0450   | 32,024.44 | 917,500.35                        | 917,500.35    |             | 917,500.35-             |               |
| TOTAL TASK                     |        | 32,024.44 | 917,500.35                        | 917,500.35    |             | 917,500.35-             |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   | 110.00    | 2,451.15                          | 2,451.15      |             | 2,451.15-               |               |
| REG HRS DIRECT LABOR           | 9001   | 74.45     | 5,362.34                          | 5,362.34      |             | 5,362.34-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 10.80     | 781.45                            | 781.45        |             | 781.45-                 |               |
| TOTAL TASK                     |        | 195.25    | 8,594.94                          | 8,594.94      |             | 8,594.94-               |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| ARCOR PERSONNEL SERVICES       | 6492   | 52.70     | 52.70                             | 52.70         |             | 52.70-                  |               |
| REFUSE REMOVAL                 | 6051   |           | 175.09                            | 175.09        |             | 175.09-                 |               |
| REG HRS DIRECT LABOR           | 9001   |           | 2,959.40                          | 2,959.40      |             | 2,959.40-               |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           | 429.36                            | 429.36        |             | 429.36-                 |               |
| TOTAL TASK                     |        | 52.70     | 3,616.55                          | 3,616.55      |             | 3,616.55-               |               |
| TOTAL OPTION                   |        | 32,272.39 | 929,711.04                        | 929,711.04    |             | 929,711.04-             |               |
| RENTAL PROGRAM                 | RMM    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| OTHER FEES                     | 6569   |           | 20.20                             | 20.20         |             | 20.20-                  |               |
| TOTAL TASK                     |        |           | 20.20                             | 20.20         |             | 20.20-                  |               |
| TOTAL OPTION                   |        |           | 20.20                             | 20.20         |             | 20.20-                  |               |
| TOTAL PERFORMING ORG           |        | 32,272.39 | 929,732.04                        | 929,732.04    |             | 929,732.04-             |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 32,261.59 | 928,521.23                        | 928,521.23    |             | 928,521.23-             |               |
| TOTAL OVERHEAD                 |        | 10.80     | 1,210.81                          | 1,210.81      |             | 1,210.81-               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 32,272.39 | 929,732.04                        | 929,732.04    |             | 929,732.04-             |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 32,272.39 | 929,732.04                        | 929,732.04    |             |                         |               |

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MARICOPA COUNTY

ARMS REPORTING

ACTIVITY 6C106S SALT GILA CONTROL WORKS  
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MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1992 THRU JUNE 30, 1992

PAGE NUMBER 6251  
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 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD       | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| <b>CAPITAL PROJECTS-OTHER</b>  |        |              |                                   |               |             |                         |               |
| OPTION CODE BLANK              | MNN    |              |                                   |               |             |                         |               |
| STANDARD                       | STD    |              |                                   |               |             |                         |               |
|                                | 0991   | 2,895,000.00 |                                   | 8,599.14-     |             | 2,903,599.14            |               |
| ENGINEERING                    | 6447   |              |                                   | 8,684.72-     |             | 8,684.72                |               |
| LAND ACQUISITION-OTHER         | 7803   |              |                                   | 85.58         |             | 85.58-                  |               |
| CONS WORK IN PROGRESS          | 7891   | 2,895,000.00 |                                   |               |             | 2,895,000.00            |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |
| <b>ADMINISTRATION</b>          |        |              |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   |              | 1,551.13                          | 3,366.41      | 71,609.35   | 71,609.35-              |               |
| REGULAR SALARIES               | 5011   |              | 1,551.13                          | 3,366.41      | 50,603.93   | 50,603.93-              |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              |                                   |               | 1,395.60    | 1,395.60-               |               |
| ENGINEERING                    | 6447   |              |                                   |               | 19,384.82   | 19,384.82-              |               |
| OTHER PROFESSIONAL SERV        | 6468   |              |                                   |               | 225.00      | 225.00-                 |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |
| <b>RIGHT OF WAY</b>            |        |              |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 28,123.93    | 148,948.46                        | 6,175,484.39  |             | 6,175,484.39-           |               |
| OTHER MISC REV                 | 3779   |              |                                   |               | 95,789.10-  | 95,789.10               |               |
| REGULAR SALARIES               | 5011   | 7,621.86     | 26,309.30                         | 166,391.70    |             | 166,391.70-             |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |              |                                   |               | 681.20      | 681.20-                 |               |
| ENGINEERING                    | 6447   | 3,181.50     | 42,171.62                         | 78,347.72     |             | 78,347.72-              |               |
| INTEREST-OTHER                 | 6949   |              |                                   |               | 2,546.75    | 2,546.75-               |               |
| TAXES & ASSESSMENTS            | 6969   |              |                                   |               | 526.56      | 526.56-                 |               |
| OTHER MISCELLANEOUS EXP        | 6979   |              | 50.00                             | 50.00         |             | 50.00-                  |               |
| LAND ACQUISITION-ROW           | 7802   |              | 163.03-                           | 337.28        | 13,437.03   | 13,437.03-              |               |
| LAND ACQUISITION-OTHER         | 7803   | 17,483.60    | 72,072.26                         | 5,817,714.33  |             | 5,817,714.33-           |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |
| <b>FACILITY RELOCATION</b>     |        |              |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   |              |                                   |               | 8,373.24    | 8,373.24-               |               |
| REGULAR SALARIES               | 5011   |              |                                   |               | 8,373.24    | 8,373.24-               |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |
| <b>CONSTRUCTION</b>            |        |              |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   | 2,349.38     | 773,193.48                        | 4,125,400.57  |             | 4,125,400.57-           |               |
| OTHER MISC REV                 | 3779   |              |                                   |               | 396,203.61  | 396,203.61-             |               |
| REGULAR SALARIES               | 5011   | 2,349.38     | 8,106.16                          | 37,594.81     |             | 37,594.81-              |               |
| ENGINEERING                    | 6447   |              |                                   |               | 146,210.00  | 146,210.00-             |               |
| PUBLISH OF LEGAL NOTICES       | 6691   |              |                                   |               | 21.70       | 21.70-                  |               |
| OTHER IMP O/T BUILDINGS        | 7829   |              | 765,087.32                        | 4,337,777.67  |             | 4,337,777.67-           |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |
| <b>ERROR</b>                   |        |              |                                   |               |             |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991   |              |                                   |               | 700.00      | 700.00-                 |               |
| OTHER PROFESSIONAL SERV        | 6468   |              |                                   |               | 700.00      | 700.00-                 |               |
| <b>TOTAL TASK</b>              |        |              |                                   |               |             |                         |               |

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ACTIVITY 6C1065 SALT GILA CONTROL WORKS  
 REPORT 301097-57  
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 ACTIVITY STATUS  
 JUNE 01, 1992 THRU JUNE 30, 1992

PAGE NUMBER 6252  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| TOTAL OPTION                   |        |           |                                   |               |             |                         |               |
|                                | 999    |           |                                   |               |             |                         |               |
|                                | 998    |           |                                   |               |             |                         |               |
|                                | 0898   |           |                                   | 90,929.04-    |             | 90,929.04               |               |
| EXCESS COST REV W/A            | 3898   |           |                                   | 393,879.80-   |             | 393,879.80              |               |
| TOTAL TASK                     |        |           |                                   | 484,808.84    |             | 484,808.84-             |               |
| TOTAL OPTION                   |        |           |                                   | 484,808.84    |             | 484,808.84-             |               |
| TOTAL PERFORMING ORG           |        |           |                                   | 484,808.84    |             | 484,808.84-             |               |
| FLOOD CONTROL                  | 6900   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| STANDARD                       | STD    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |           |                                   | 74.48-        |             | 74.48                   |               |
| REG HRS DIRECT LABOR           | 9001   |           |                                   | 145.79        |             | 145.79-                 |               |
| OVERTIME DIRECT LABOR          | 9002   |           |                                   | 16.15         |             | 16.15-                  |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   | 23.48         |             | 23.48-                  |               |
| TOTAL TASK                     |        |           |                                   | 110.94        |             | 110.94-                 |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| STATE SHARE OF COSTS           | 3201   |           |                                   | 600,000.00    |             | 600,000.00-             |               |
| INTRA-FUND CREDIT              | 5991   | 1,551.13- | 3,366.41-                         | 50,603.93-    |             | 50,603.93               |               |
| OTHER PROFESSIONAL SERV        | 6468   |           |                                   | 96,502.50     |             | 96,502.50-              |               |
| PRINTING-BINDING-DUPLOC        | 6687   |           |                                   | 33.00         |             | 33.00-                  |               |
| REG HRS DIRECT LABOR           | 9001   |           | 2,945.67                          | 86,144.07     |             | 86,144.07-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 3.69-     | 417.05                            | 12,494.56     |             | 12,494.56-              |               |
| TOTAL TASK                     |        | 1,554.82- | 3.69-                             | 455,429.80-   |             | 455,429.80              |               |
| RIGHT OF WAY                   | 020    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 7,621.86- | 26,309.30-                        | 164,912.02-   |             | 164,912.02              |               |
| ENGINEERING                    | 6447   |           |                                   | 669.00        |             | 669.00-                 |               |
| TAXES & ASSESSMENTS            | 6969   |           |                                   | 579.32-       |             | 579.32                  |               |
| LAND ACQUISITION-ROW           | 7802   | 163.03    |                                   | 51,629.99     | 4,662.72    | 56,292.71-              |               |
| LAND ACQUISITION-OTHER         | 7803   |           |                                   | 186,378.22    |             | 186,378.22-             |               |
| REG HRS DIRECT LABOR           | 9001   | 1,293.44  | 22,827.25                         | 172,440.55    |             | 172,440.55-             |               |
| DEPARTMENTAL OVERHEAD          | 9012   | 187.60    | 3,482.05                          | 25,320.02     |             | 25,320.02-              |               |
| TOTAL TASK                     |        | 5,977.79- |                                   | 270,946.44    | 4,662.72    | 275,609.16-             |               |
| FACILITY RELOCATIONS           | 030    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |           |                                   | 8,373.24-     |             | 8,373.24                |               |
| REG HRS DIRECT LABOR           | 9001   |           |                                   | 23,167.13     |             | 23,167.13-              |               |
| DEPARTMENTAL OVERHEAD          | 9012   |           |                                   | 3,357.34      |             | 3,357.34-               |               |
| TOTAL TASK                     |        |           |                                   | 18,151.23     |             | 18,151.23-              |               |

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|--------------------------------|--------------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| REG HRS DIRECT LABOR 9001      |              |           | 7,060.79                          | 78,812.69     |             | 78,812.69-              |               |
| OVERTIME DIRECT LABOR 9002     |              |           |                                   | 115.35        |             | 115.35-                 |               |
| DEPARTMENTAL OVERHEAD 9012     |              |           | 1,045.37                          | 11,468.40     |             | 11,468.40-              |               |
| TOTAL TASK                     |              | 2,349.38- |                                   | 457,207.91    |             | 457,207.91-             |               |
| COST SHARING 080               |              |           |                                   | 277.92        |             | 277.92-                 |               |
| REG HRS DIRECT LABOR 9001      |              |           |                                   | 40.32         |             | 40.32-                  |               |
| DEPARTMENTAL OVERHEAD 9012     |              |           |                                   |               |             |                         |               |
| TOTAL TASK                     |              |           |                                   | 318.24        |             | 318.24-                 |               |
| TOTAL OPTION                   |              | 9,881.99- | 3.69-                             | 291,304.96    | 4,662.72    | 295,967.68-             |               |
| TOTAL PERFORMING ORG           |              | 9,881.99- | 3.69-                             | 291,304.96    | 4,662.72    | 295,967.68-             |               |
| TOTAL LABOR AND OTHER CHARGES  | 2,895,000.00 | 21,958.54 | 912,552.19                        | 11,511,983.76 | 4,662.72    | 8,621,646.48-           | 3.97          |
| TOTAL OVERHEAD                 |              | 183.91    | 4,944.47                          | 52,704.12     |             | 52,704.12-              |               |
| TOTAL EXPENDITURES & ENCLMB    | 2,895,000.00 | 22,142.45 | 917,496.66                        | 11,564,687.88 | 4,662.72    | 8,674,350.60-           | 3.99          |
| TOTAL REVENUE                  | 2,895,000.00 | 32,824.44 | 917,500.35                        | 10,788,574.08 |             | 7,893,574.08-           | 3.72          |
| TOTAL NET ACTIVITY             |              | 9,881.99- | 3.69-                             | 776,113.80    | 4,662.72    |                         |               |

MARICOPA COUNTY ARMS REPORTING

ACTIVITY 6A1055 SALT/GILA C&C-STANDARD  
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|--------------------------------|--------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| TOTAL PERFORMING ORG           |        | 4,940.22 | 6,057.95                          | 6,057.95      |             | 6,057.95-               |               |
| FLOOD PLAIN MANAGEMENT         | 6921   |          |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |          |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |          | 110.22                            | 110.22        |             | 110.22-                 |               |
| INDIRECT LABOR                 | 9011   |          | 15.98                             | 15.98         |             | 15.98-                  |               |
| TOTAL TASK                     |        |          | 126.20                            | 126.20        |             | 126.20-                 |               |
| TOTAL OPTION                   |        |          | 126.20                            | 126.20        |             | 126.20-                 |               |
| TOTAL PERFORMING ORG           |        |          | 126.20                            | 126.20        |             | 126.20-                 |               |
| DESIGN & REVIEW                | 6932   |          |                                   |               |             |                         |               |
| HYDROLOGY                      | HYD    |          |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   | 227.48   | 227.48                            | 227.48        |             | 227.48-                 |               |
| INDIRECT LABOR                 | 9011   | 33.00    | 33.00                             | 33.00         |             | 33.00-                  |               |
| TOTAL TASK                     |        | 260.48   | 260.48                            | 260.48        |             | 260.48-                 |               |
| TOTAL OPTION                   |        | 260.48   | 260.48                            | 260.48        |             | 260.48-                 |               |
| TOTAL PERFORMING ORG           |        | 260.48   | 260.48                            | 260.48        |             | 260.48-                 |               |
| PROPERTY MANAGEMENT            | 6941   |          |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |          |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |          |                                   |               |             |                         |               |
| OTHER FEES                     | 6569   |          | 9.50                              | 9.50          |             | 9.50-                   |               |
| REG HRS DIRECT LABOR           | 9001   |          | 182.56                            | 182.56        |             | 182.56-                 |               |
| TOTAL TASK                     |        |          | 192.06                            | 192.06        |             | 192.06-                 |               |
| TOTAL OPTION                   |        |          | 192.06                            | 192.06        |             | 192.06-                 |               |
| PROPERTY MANAGEMENT            | PMT    |          |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |          | 629.44                            | 629.44        |             | 629.44-                 |               |
| INDIRECT LABOR                 | 9011   |          | 91.36                             | 91.36         |             | 91.36-                  |               |
| TOTAL TASK                     |        |          | 720.80                            | 720.80        |             | 720.80-                 |               |
| TOTAL OPTION                   |        |          | 720.80                            | 720.80        |             | 720.80-                 |               |
| TOTAL PERFORMING ORG           |        |          | 912.86                            | 912.86        |             | 912.86-                 |               |
| PROJECT MANAGEMENT             | 6971   |          |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |          |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |          | 653.24                            | 653.24        |             | 653.24-                 |               |
| INDIRECT LABOR                 | 9011   |          | 94.64                             | 94.64         |             | 94.64-                  |               |
| TOTAL TASK                     |        |          | 747.88                            | 747.88        |             | 747.88-                 |               |
| TOTAL OPTION                   |        |          | 7.88                              | 7.88          |             | 7.88-                   |               |
| TOTAL PERFORMING ORG           |        |          | 755.76                            | 755.76        |             | 755.76-                 |               |

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ACTIVITY 6A105S SALT/GILA C&C-STANDARD  
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| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| CONSTRUCTION INSPECTION        | 6973   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 185.76                            | 185.76        |             | 185.76-                 |               |
| INDIRECT LABOR                 | 9011   |           | 26.96                             | 26.96         |             | 26.96-                  |               |
| TOTAL TASK                     |        |           | 212.72                            | 212.72        |             | 212.72-                 |               |
| MAINTENANCE                    | 050    |           |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |           | 1,495.77                          | 1,495.77      |             | 1,495.77-               |               |
| INDIRECT LABOR                 | 9011   |           | 216.99                            | 216.99        |             | 216.99-                 |               |
| TOTAL TASK                     |        |           | 1,712.76                          | 1,712.76      |             | 1,712.76-               |               |
| TOTAL OPTION                   |        |           | 1,925.48                          | 1,925.48      |             | 1,925.48-               |               |
| TOTAL PERFORMING ORG           |        |           | 1,925.48                          | 1,925.48      |             | 1,925.48-               |               |
| ADMINISTRATION                 | 6984   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| NPDES EXPENDITURES             | 090    |           |                                   |               |             |                         |               |
| ATTORNEYS OTHER NON-COUNT      | 6431   |           | 75.77                             | 75.77         | 75.77       | 75.77-                  |               |
| TOTAL TASK                     |        |           | 75.77                             | 75.77         | 75.77       | 75.77-                  |               |
| TOTAL OPTION                   |        |           | 75.77                             | 75.77         | 75.77       | 75.77-                  |               |
| TOTAL PERFORMING ORG           |        |           | 75.77                             | 75.77         | 75.77       | 75.77-                  |               |
| TOTAL LABOR AND OTHER CHARGES  |        | 13,943.28 | 123,884.05                        | 123,884.05    |             | 123,884.05-             |               |
| TOTAL OVERHEAD                 |        | 200.16    | 9,096.67                          | 9,096.67      |             | 9,096.67-               |               |
| TOTAL EXPENDITURES & ENCUMB    |        | 14,143.44 | 132,980.72                        | 132,980.72    |             | 132,980.72-             |               |
| TOTAL REVENUE                  |        |           |                                   |               |             |                         |               |
| TOTAL NET ACTIVITY             |        | 14,143.44 | 132,980.72                        | 132,980.72    |             |                         |               |

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|--------------------------------|-------------|----------------------|-----------------------------------|------------------|------------------|-------------------------|---------------|
| <b>CAPITAL PROJECTS-OTHER</b>  | <b>0450</b> |                      |                                   |                  |                  |                         |               |
| OPTION CODE BLANK              | ***         |                      |                                   |                  |                  |                         |               |
| STANDARD                       | \$TD        |                      |                                   |                  |                  |                         |               |
| TRNSFR FLOOD CONTROL           | 0991        | 1,552,000.00         | 3,686.29                          | 3,752.29         | 4,846.85-        | 1,556,846.85            |               |
| ATTORNEYS OTHER NON-COUNT      | 6431        |                      | 66.00-                            |                  |                  |                         |               |
| ENGINEERING                    | 6447        |                      |                                   |                  | 8,684.72-        | 8,684.72                |               |
| LAND ACQUISITION-OTHER         | 7803        |                      |                                   |                  | 85.58            | 85.58-                  |               |
| CONS WORK IN PROGRESS          | 7891        | 213,000.00           |                                   |                  |                  | 213,000.00              |               |
| <b>TOTAL TASK</b>              |             | <b>1,339,000.00-</b> | <b>3,752.29-</b>                  | <b>3,752.29-</b> | <b>3,752.29-</b> | <b>1,335,247.71-</b>    |               |
| <b>ADMINISTRATION</b>          | <b>010</b>  |                      |                                   |                  |                  |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991        |                      | 1,123.65                          | 5,894.29         | 77,503.64        | 77,503.64-              |               |
| REGULAR SALARIES               | 5011        |                      | 1,123.65                          | 4,684.29         | 55,288.22        | 55,288.22-              |               |
| ATTORNEYS OTHER NON-COUNT      | 6431        |                      | 66.00                             | 1,276.00         | 2,671.60         | 2,671.60-               |               |
| ENGINEERING                    | 6447        |                      |                                   |                  | 19,384.82        | 19,384.82-              |               |
| OTHER PROFESSIONAL SERV        | 6468        |                      |                                   |                  | 225.00           | 225.00-                 |               |
| <b>TOTAL TASK</b>              |             |                      | <b>66.00</b>                      | <b>66.00</b>     | <b>66.00</b>     | <b>66.00-</b>           |               |
| <b>RIGHT OF WAY</b>            | <b>020</b>  |                      |                                   |                  |                  |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991        |                      | 4,294.89                          | 25,309.82        | 6,200,794.21     | 6,200,794.21-           |               |
| OTHER MISC REV                 | 3779        |                      |                                   |                  | 95,789.10-       | 95,789.10               |               |
| REGULAR SALARIES               | 5011        |                      | 2,873.99                          | 17,209.09        | 183,600.79       | 183,600.79-             |               |
| ATTORNEYS OTHER NON-COUNT      | 6431        |                      |                                   |                  | 681.20           | 681.20-                 |               |
| ENGINEERING                    | 6447        |                      |                                   |                  | 78,347.72        | 78,347.72-              |               |
| INTEREST-OTHER                 | 6949        |                      |                                   |                  | 2,546.75         | 2,546.75-               |               |
| TAXES & ASSESSMENTS            | 6969        |                      |                                   |                  | 526.56           | 526.56-                 |               |
| OTHER MISCELLANEOUS EXP        | 6979        |                      |                                   |                  | 50.00            | 50.00-                  |               |
| LAND ACQUISITION-ROW           | 7802        |                      |                                   | 135.52           | 13,572.55        | 13,572.55-              |               |
| LAND ACQUISITION-OTHER         | 7803        |                      | 5,107.19                          | 11,651.50        | 5,829,365.83     | 5,829,365.83-           |               |
| <b>TOTAL TASK</b>              |             |                      | <b>3,686.29</b>                   | <b>3,686.29</b>  | <b>3,686.29</b>  | <b>3,686.29-</b>        |               |
| <b>FACILITY RELOCATION</b>     | <b>030</b>  |                      |                                   |                  |                  |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991        |                      |                                   |                  | 8,373.24         | 8,373.24-               |               |
| REGULAR SALARIES               | 5011        |                      |                                   |                  | 8,373.24         | 8,373.24-               |               |
| <b>TOTAL TASK</b>              |             |                      |                                   |                  |                  |                         |               |
| <b>CONSTRUCTION</b>            | <b>040</b>  |                      |                                   |                  |                  |                         |               |
| TRNSFR FR FLOOD CONTROL        | 0991        |                      | 398.85                            | 398.85           | 4,125,799.42     | 4,125,799.42-           |               |
| OTHER MISC REV                 | 3779        |                      |                                   |                  | 396,203.61       | 396,203.61-             |               |
| REGULAR SALARIES               | 5011        |                      | 398.85                            | 398.85           | 37,993.66        | 37,993.66-              |               |
| ENGINEERING                    | 6447        |                      |                                   |                  | 146,210.00       | 146,210.00-             |               |
| PUBLISH OF LEGAL NOTICES       | 6691        |                      |                                   |                  | 21.70            | 21.70-                  |               |
| OTHER IMP O/T BUILDINGS        | 7829        |                      |                                   |                  | 4,337,777.67     | 4,337,777.67-           |               |
| <b>TOTAL TASK</b>              |             |                      |                                   |                  |                  |                         |               |

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ACTIVITY 6C106S SALT GILA CONTROL WORKS  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

HARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1993 THRU JUNE 48, 1993

PAGE NUMBER 5817  
 DATE RUN 08/20/93  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD    | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|-----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| RIGHT OF WAY                   | 020    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |           | 559.60-                           | 559.60-       |             | 559.60                  |               |
| REG HRS DIRECT LABOR           | 9001   |           | 488.87                            | 488.87        |             | 488.87-                 |               |
| INDIRECT LABOR                 | 9011   |           | 70.73                             | 70.73         |             | 70.73-                  |               |
| TOTAL TASK                     |        |           |                                   |               |             |                         |               |
| TOTAL OPTION                   |        |           | 9.33                              | 9.33          |             | 9.33-                   |               |
| TOTAL PERFORMING ORG           |        |           |                                   |               |             |                         |               |
| PLANNING                       | 6961   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   |           | 3,410.58-                         | 3,410.58-     |             | 3,410.58                |               |
| REG HRS DIRECT LABOR           | 9001   |           | 2,978.92                          | 2,978.92      |             | 2,978.92-               |               |
| INDIRECT LABOR                 | 9011   |           | 431.66                            | 431.66        |             | 431.66-                 |               |
| TOTAL TASK                     |        |           |                                   |               |             |                         |               |
| TOTAL OPTION                   |        |           |                                   |               |             |                         |               |
| TOTAL PERFORMING ORG           |        |           |                                   |               |             |                         |               |
| PROJECT MANAGEMENT             | 6971   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 620.37-   | 770.43-                           | 770.43-       |             | 770.43                  |               |
| REG HRS DIRECT LABOR           | 9001   |           | 672.89                            | 672.89        |             | 672.89-                 |               |
| INDIRECT LABOR                 | 9011   |           | 97.54                             | 97.54         |             | 97.54-                  |               |
| TOTAL TASK                     |        | 620.37-   |                                   |               |             |                         |               |
| TOTAL OPTION                   |        | 620.37-   |                                   |               |             |                         |               |
| TOTAL PERFORMING ORG           |        | 620.37-   |                                   |               |             |                         |               |
| PROPERTY ACQUISITION           | 6972   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| RIGHT OF WAY                   | 020    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 1,863.43- | 12,236.92-                        | 12,236.92-    |             | 12,236.92               |               |
| LAND ACQUISITION-ROW           | 7802   |           |                                   |               | 864.48      | 864.48-                 |               |
| REG HRS DIRECT LABOR           | 9001   | 450.94    | 10,686.71                         | 10,686.71     |             | 10,686.71-              |               |
| INDIRECT LABOR                 | 9011   | 65.42     | 1,550.21                          | 1,550.21      |             | 1,550.21-               |               |
| TOTAL TASK                     |        | 1,347.07- |                                   |               | 864.48      | 864.48-                 |               |
| TOTAL OPTION                   |        | 1,347.07- |                                   |               | 864.48      | 864.48-                 |               |
| TOTAL PERFORMING ORG           |        | 1,347.07- |                                   |               | 864.48      | 864.48-                 |               |
| CONSTRUCTION INSPECTION        | 6973   |           |                                   |               |             |                         |               |
| OPTION CODE BLANK              | ***    |           |                                   |               |             |                         |               |
| CONSTRUCTION                   | 040    |           |                                   |               |             |                         |               |
| INTRA-FUND CREDIT              | 5991   | 398.85-   | 398.85-                           | 398.85-       |             | 398.85                  |               |
| REG HRS DIRECT LABOR           | 9001   |           | 348.30                            | 348.30        |             | 348.30-                 |               |
| INDIRECT LABOR                 | 9011   |           | 50.55                             | 50.55         |             | 50.55-                  |               |
| TOTAL TASK                     |        | 398.85-   |                                   |               |             |                         |               |

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MARICOPA COUNTY

ARMS REPORTING

ACTIVITY 6A106S SALT/GILA CONT WRK-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

MARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1993 THRU JUNE 48, 1993

PAGE NUMBER 5584  
 DATE RUN 08/20/93  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE | BUDGET | PERIOD | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|--------------------------------|--------|--------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| MAINTENANCE                    | 6911   |        |                                   |               |             |                         |               |
| OPTION CODE BLANK              | MMM    |        |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |        |                                   |               |             |                         |               |
| GROUNDS R&M SUPPLIES           | 6231   |        | 3,136.94                          | 3,136.94      | 3,136.94    | 3,136.94-               |               |
| ARCOR PERSONNEL SERVICES       | 6492   |        | 19.83                             | 501.10        | 501.10      | 501.10-                 |               |
| OTHER RENTALS                  | 6659   |        | 714.89                            | 5,498.34      | 5,498.34    | 5,498.34-               |               |
| REFUSE REMOVAL                 | 6851   |        |                                   | 104.43        | 104.43      | 104.43-                 |               |
| REG HRS DIRECT LABOR           | 9001   |        |                                   | 10,158.08     | 10,158.08   | 10,158.08-              |               |
| INDIRECT LABOR                 | 9011   |        |                                   | 1,472.61      | 1,472.61    | 1,472.61-               |               |
| TOTAL TASK                     |        |        | 3,871.66                          | 20,871.50     | 20,871.50   | 20,871.50-              |               |
| TOTAL OPTION                   |        |        | 3,871.66                          | 20,871.50     | 20,871.50   | 20,871.50-              |               |
| TOTAL PERFORMING ORG           |        |        | 3,871.66                          | 20,871.50     | 20,871.50   | 20,871.50-              |               |
| ENVIRONMENTAL                  | 6912   |        |                                   |               |             |                         |               |
| OPTION CODE BLANK              | MMM    |        |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |        |                                   |               |             |                         |               |
| ENGINEERING                    | 6447   |        |                                   | 6,318.81      | 6,318.81    | 6,318.81-               |               |
| TOTAL TASK                     |        |        |                                   | 6,318.81      | 6,318.81    | 6,318.81-               |               |
| TOTAL OPTION                   |        |        |                                   | 6,318.81      | 6,318.81    | 6,318.81-               |               |
| ENVIRONMENTAL IMPACT           | EIS    |        |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |        |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |        |                                   | 127.84        | 127.84      | 127.84-                 |               |
| INDIRECT LABOR                 | 9011   |        |                                   | 18.52         | 18.52       | 18.52-                  |               |
| TOTAL TASK                     |        |        |                                   | 146.36        | 146.36      | 146.36-                 |               |
| TOTAL OPTION                   |        |        |                                   | 146.36        | 146.36      | 146.36-                 |               |
| SITE ASSESSMENTS               | SAS    |        |                                   |               |             |                         |               |
| MAINTENANCE                    | 050    |        |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |        |                                   | 85.10         | 85.10       | 85.10-                  |               |
| INDIRECT LABOR                 | 9011   |        |                                   | 12.35         | 12.35       | 12.35-                  |               |
| TOTAL TASK                     |        |        |                                   | 97.45         | 97.45       | 97.45-                  |               |
| TOTAL OPTION                   |        |        |                                   | 97.45         | 97.45       | 97.45-                  |               |
| TOTAL PERFORMING ORG           |        |        |                                   | 6,562.62      | 6,562.62    | 6,562.62-               |               |
| DRAINAGE ADMINISTRATION        | 6931   |        |                                   |               |             |                         |               |
| PROJECT MANAGEMENT             | PPM    |        |                                   |               |             |                         |               |
| ADMINISTRATION                 | 010    |        |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR           | 9001   |        | 78.28                             | 78.28         | 78.28       | 78.28-                  |               |
| INDIRECT LABOR                 | 9011   |        | 11.36                             | 11.36         | 11.36       | 11.36-                  |               |
| TOTAL TASK                     |        |        | 89.64                             | 89.64         | 89.64       | 89.64-                  |               |
| TOTAL OPTION                   |        |        | 89.64                             | 89.64         | 89.64       | 89.64-                  |               |
| TOTAL PERFORMING ORG           |        |        | 89.64                             | 89.64         | 89.64       | 89.64-                  |               |

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ACTIVITY 6A1065 SALT/GILA CONT WRK-STD  
 REPORT 301097-57  
 FISCAL YEAR ELAPSED 100 PCT.

HARICOPA COUNTY  
 ACTIVITY STATUS  
 JUNE 01, 1993 THRU JUNE 08, 1993

PAGE NUMBER 5585  
 DATE RUN 08/20/93  
 ACCOUNTING PERIOD 12

| ORG/OPTION/TASK/COST ACCT CODE  | BUDGET | PERIOD   | ACTUAL REV / COST<br>YEAR-TO-DATE | INCEP-TO-DATE | ENCUMBRANCE | UNENCUMBERED<br>BALANCE | PCT.<br>COMP. |
|---------------------------------|--------|----------|-----------------------------------|---------------|-------------|-------------------------|---------------|
| ADMINISTRATION 010              |        |          |                                   |               |             |                         |               |
| ENGINEERING 6447                |        | 3,518.14 | 3,518.14                          | 3,518.14      |             | 3,518.14-               |               |
| REG HRS DIRECT LABOR 9001       |        | 1,567.83 | 2,251.78                          | 2,251.78      |             | 2,251.78-               |               |
| INDIRECT LABOR 9011             |        | 227.08   | 326.22                            | 326.22        |             | 326.22-                 |               |
| TOTAL TASK                      |        | 5,313.05 | 6,096.14                          | 6,096.14      |             | 6,096.14-               |               |
| TOTAL OPTION                    |        | 5,313.05 | 6,096.14                          | 6,096.14      |             | 6,096.14-               |               |
| PROJECT MANAGEMENT PPM          |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010              |        |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001       |        | 837.00   | 954.18                            | 954.18        |             | 954.18-                 |               |
| INDIRECT LABOR 9011             |        | 121.50   | 138.51                            | 138.51        |             | 138.51-                 |               |
| TOTAL TASK                      |        | 958.50   | 1,092.69                          | 1,092.69      |             | 1,092.69-               |               |
| TOTAL OPTION                    |        | 958.50   | 1,092.69                          | 1,092.69      |             | 1,092.69-               |               |
| TOTAL PERFORMING ORG            |        | 6,271.55 | 7,188.83                          | 7,188.83      |             | 7,188.83-               |               |
| PROPERTY MANAGEMENT 6941        |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK XXX           |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010              |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| ATTORNEYS OTHER NON-COUNT 6431  |        |          |                                   |               |             |                         |               |
| TOTAL TASK                      |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| TOTAL OPTION                    |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| TOTAL PERFORMING ORG            |        |          | 400.54                            | 400.54        |             | 400.54-                 |               |
| PLANNING 6961                   |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK XXX           |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010              |        |          |                                   |               |             |                         |               |
| REG HRS DIRECT LABOR 9001       |        | 372.08   | 5,647.68                          | 5,647.68      |             | 5,647.68-               |               |
| INDIRECT LABOR 9011             |        | 53.99    | 819.44                            | 819.44        |             | 819.44-                 |               |
| TOTAL TASK                      |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| TOTAL OPTION                    |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| TOTAL PERFORMING ORG            |        | 426.07   | 6,467.12                          | 6,467.12      |             | 6,467.12-               |               |
| PROJECT MANAGEMENT 6971         |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK XXX           |        |          |                                   |               |             |                         |               |
| STANDARD STD                    |        |          |                                   |               |             |                         |               |
| TRANSFR CAP PROJECT OTH FD 0450 |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL TASK                      |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL OPTION                    |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| TOTAL PERFORMING ORG            |        | 9,503.68 | 35,355.25                         | 35,355.25     |             | 35,355.25-              |               |
| ADMINISTRATION 6984             |        |          |                                   |               |             |                         |               |
| OPTION CODE BLANK XXX           |        |          |                                   |               |             |                         |               |
| ADMINISTRATION 010              |        |          |                                   |               |             |                         |               |
| OTHER PROFESSIONAL SERV 6468    |        | 8,813.50 | 8,813.50                          | 8,813.50      |             | 8,813.50-               |               |
| TOTAL TASK                      |        | 8,813.50 | 8,813.50                          | 8,813.50      |             | 8,813.50-               |               |

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# GWE, Incorporated

Consulting Engineers, Landscape Architects,  
Community Planners and Land Surveyors

2001 East Campbell Avenue  
Suite 105  
Phoenix, Arizona 85016  
(602) 957-8771  
J. Kirby  
Director

October 1, 1982

INVOICE # 1410 -

JOB # 8325-00

Maricopa County Flood Control District  
3335 W. Durango  
Phoenix, Arizona 85009

Attention: Mr. Earl Kirby

PROFESSIONAL SERVICES RENDERED thru 8/27/82

Re: Gila Salt River Clearing

Staking property lines for clearing in Gila Salt River Project.

|                          |          |   |         |   |                 |
|--------------------------|----------|---|---------|---|-----------------|
| Registered Land Surveyor | 10.0 hrs | @ | \$30.00 | = | \$300.00        |
| Survey Crew              | 14.0 hrs | @ | \$45.00 | = | <u>\$630.00</u> |

Amount Due

\$930.

FLOOD CONTROL DISTRICT  
RECEIVED

OCT 06 '82

|         |         |
|---------|---------|
| CH ENG  | HYDRO   |
| ASST    | LMGT    |
| ADMIN   | SUSP    |
| C & O   | FILE    |
| ENGR    | DESTROY |
| FINANCE | FILE    |
| REMARKS |         |

TERMS NET 30 DAYS. ACCOUNTS PAST DUE SUBJECT TO 1 1/2% FINANCE CHARGE WHICH IS 18% ANNUAL PERCENTAGE RATE.

PONTIAC

PHOENIX

HOUSTON

**AFFILIATED SURVEYORS**  
**I N T E R N A T I O N A L**  
 REGISTERED PROFESSIONAL LAND SURVEYORS



July 22, 1987

Flood Control District of  
 Maricopa County  
 3335 W. Durango Street  
 Phoenix, Arizona 85009

Attn: Earl Kirby

Re: Staking of Gila Low  
 Flow Channel

Used for Contract 83-7. Work  
 completed under "Open Order"  
 contract.

STATEMENT

For professional service, for the staking of the Gila Low Flow Channel  
 at State Route 85.

|                                            |            |          |
|--------------------------------------------|------------|----------|
| 6-29 recon meeting 2 hrs @ \$53.00         | \$106.00   |          |
| 7-01 tying in control 8 hrs @ \$53.00      | 424.00     | \$60.00  |
| 7-02 station control 4½ hrs @ \$53.00      | 238.50     | 60.00    |
| 7-06 station control 7 hrs @ \$53.00       | 371.00     | 60.00    |
| 7-07 stationing 8.5 hrs @ \$53.00          | 450.50     |          |
| 7-08 elevation loops 8.5 hrs @ \$43.00     | 365.50     |          |
| 7-09 stationing 4.5 hrs @ \$53.00          | 238.50     |          |
| 7-13 elevation, section ty 9 hrs @ \$63.00 | 567.00     | 60.00    |
| 7-14 elevation, constr. B.M. 10 hr @ \$63  | 630.00     |          |
| 7-15 construction B.M. 5.5 hrs @ \$43.00   | 236.50     |          |
| 7-17 tying to NE Sec. cor 9 hrs @ \$43.00  | 387.00     | 60.00    |
| drafting 6 hrs @ \$22.50                   | 135.00     |          |
| professional 4 hrs @ \$30.00               | 120.00     |          |
| SUB TOTAL                                  | \$4,269.50 | \$300.00 |
| hubs, laths, posts, T posts                | \$126.81   |          |
| 10%                                        | 12.68      |          |
| TOTAL AMONUT DUE                           | \$4,708.99 |          |

Thank you for the opportunity to work together.



1. Baseline Corridor Layout

A. The Baseline shall follow the North clearing boundary from Rainbow Road to immediately West of the Tuthill Road Bridge, transition at Right Angle, at an even Station, West of the Bridge to the South boundary, and follow the South Boundary to Sarival Road. The Baseline shall be established 20-30 feet into the clearing from the clearing boundary.

\$5,850.00

$\sum 55/hr$  2/Man Survey Crew  $\$50/hr$  108 hrs 5400.00  
 ck Supervision/Research  $\$45/hr$  10 hrs 450.00  
 (P.L.S.)

B. The Baseline may have various turning points along it's length. Any required turning points established by the Surveyor shall be appropriately documented. The Baseline shall be horizontally tied to all Section Corners through which the clearing corridor passes.

12,115.00

$\$67.50$  3/Man Survey Crew  $\$42.43/hr$  189 hrs 11,800.00  
 Supervision/Research  $\$16/hr$  7 hrs 315.00  
 (P.L.S.)

C. The new Baseline shall be extended from the existing Baseline, in the vicinity of Station 384+00, established by Brady Engineering & Land Surveying Co., permanent Benchmarks, with a reference elevation, shall be located along the Boundary at approximately 2500 foot intervals. The Benchmarks shall be constructed as directed by the Construction and Operations Division of the Flood Control District. The Eastern terminus of the new Baseline shall be Station 810+00, in the vicinity of Sarival Road.

The 1000 foot corridor shall be established and marked on the ground between Tuthill Road and Sarival Road from information provided by the Flood Control District as identified below. The South boundary of the corridor shall be permanently marked at approximately 2500 foot intervals.

4,680.00

$\$50/hr$  2/Man Survey Crew  $\$50/hr$  90 hrs 4500.00  
 Supervision/Research  $\$45/hr$  4 hrs 180.00  
 (P.L.S.)

TOTAL BASELINE CORRIDOR LAYOUT

22,645.00

2. Cross Section Layout

A. Cross Sections shall be taken at 100 foot stations along the length of the Baseline starting West of the Tuthill Road Bridge at the transition station where the Baseline is established along the South clearing boundary. The Cross Sections shall be taken to Station 810+00.

In general, Cross Sections will be taken across the total 1000 foot corridor. Cross Sections will be extended to the South of the corridor between Stations 530+00 to 550+00. Cross Sections will be extended to the North of the corridor between Stations 680+00 to 810+00.

Elevation Readings along each Section shall be taken:

- At a maximum spacing of 100 feet
- At all defined grade breaks
- At the edge of the water surface of any water
- In the channel invert of any flowing water
- To determine the depth of any flowing water
- To the nearest tenth (0.10) of a foot elevation
- On the Baseline
- To the nearest defined grade break outside the limits within 100 foot shown on the Section Map

34,695.

|   |       |                               |                      |         |           |  |
|---|-------|-------------------------------|----------------------|---------|-----------|--|
| # | 67.00 | 3/Man Survey Crew             | <sup>31</sup> 625 hr | 540 hrs | 33,750.00 |  |
|   |       | Supervision/Research (P.L.S.) | (1.5) 21 hrs         |         | 945.00    |  |

TOTAL CROSS SECTION LAYOUT

34,695.00

3. Drafting and Documentation

Reproducible (Mylar) drawings, at a scale of 1" = 400 feet, shall be provided to the Flood Control District. As a minimum, the drawings will include:

- The Baseline and the Boundaries of the 1000 foot corridor
- All horizontal and vertical control data
- All benchmarks and reference elevations
- Location and description of all man-made structures found in the limits of the cross sections, to include, the Bridge Piers, wells, lined ditches, concrete slabs, and any other items that may be impacted by the District's low flow channel or clearing projects

|                                  |          |               |
|----------------------------------|----------|---------------|
| 1 Draftman                       | 20.5 hrs | 410.00 ✓      |
| Supervision/Research<br>(P.L.S.) | 10 hrs   | 450.00 ✓      |
| TOTAL DRAFTING AND DOCUMENTATION |          | <u>860.00</u> |

CONTRACT BREAKDOWN

|                             |                     |
|-----------------------------|---------------------|
| 1. Baseline Corridor Layout | 22,645.00 ✓         |
| 2. Cross-Section Layout     | 34,695.00 ✓         |
| 3. Drafting & Documentation | <u>860.00</u> ✓     |
| TOTAL CONTRACT AMOUNT       | \$ <u>58,200.00</u> |

The above proposal is based on the Schedule of Rates included. Any additional work performed will be billed accordingly.

NOTE: Brady Engineering & Land Surveying Co., will provide all field books and notes which show the stations of all cross-sections, locations of the cross-sections elevations, location of all manmade structures, and locations of the said section corners. It is also understood that the Flood Control District will provide to Brady Engineering & Land Surveying Co. the set of drawings produced by Brady Engineering & Land Surveying Co. for the establishment of the Baseline from Miller Road to Rainbow Road. The District will also provide 1" = 400 feet aerial photos and matching topography that was flown in 1984. A composite section map showing the alignment of the 1000 foot corridor, between the Tuthill Road Bridge and Sarival Road, which will be the basis of Brady Engineering & Land Surveying's work in this reach of the River. All documents provided by Brady Engineering & Land Surveying Co., shall be signed and sealed by a Registered Licensed Surveyor.

## GILA RIVER CLEARING-BASELINE LAYOUT

## TUTHILL ROAD BRIDGE TO SARIVAL ROAD

SCOPE OF WORK: TO LAYOUT THE 1000 FOOT CORRIDOR IN THE GILA RIVER FROM THE TUTHILL ROAD BRIDGE TO SARIVAL ROAD. THE WORK INCLUDES EXTENDING THE EXISTING BASELINE FROM THE VICINITY OF RAINBOW ROAD; TYING THE BASELINE TO THE SECTION CORNERS; ESTABLISHING BENCH MARKS; AND TAKING 100 FOOT SPACED CROSS SECTIONS ALONG THE BASELINE FROM THE TUTHILL ROAD BRIDGE TO SARIVAL ROAD. ORIGINAL FIELD BOOKS AND REPRODUCIBLE (MYLAR) DRAWINGS WILL BE PROVIDED TO THE FLOOD CONTROL DISTRICT.

BASELINE /  
CORRIDOR LAYOUT: THE BASELINE SHALL FOLLOW THE NORTH CLEARING BOUNDARY FROM RAINBOW ROAD TO IMMEDIATELY WEST OF THE TUTHILL ROAD BRIDGE. AT THE BRIDGE TO THE SOUTH BOUNDARY, AND FOLLOW THE SOUTH BOUNDARY TO SARIVAL ROAD. THE BASELINE SHALL BE ESTABLISHED 20-30 FT. INTO THE CLEARING FROM THE CLEARING BOUNDARY.

THE BASELINE MAY HAVE VARIOUS TURNING POINTS ALONG IT'S LENGTH. ANY REQUIRED TURNING POINTS ESTABLISHED BY THE SURVEYOR SHALL BE APPROPRIATELY DOCUMENTED. THE BASELINE SHALL BE HORIZONTALLY TIED TO ALL SECTION CORNERS THROUGH WHICH THE CLEARING CORRIDOR PASSES.

THE NEW BASELINE SHALL BE EXTENDED FROM THE EXISTING BASELINE, IN THE VICINITY OF STATION 384+00, ESTABLISHED BY BRADY ENGINEERING AND LAND SURVEYING CO. PERMANENT BENCHMARKS, WITH A REFERENCE ELEVATION, SHALL BE LOCATED ALONG THE BASELINE AT APPROXIMATELY 2500 FOOT INTERVALS. THE BENCHMARKS SHALL BE CONSTRUCTED AS DIRECTED BY THE CONSTRUCTION AND OPERATIONS DIVISION OF THE FLOOD CONTROL DISTRICT. THE EASTERN TERMINUS OF THE NEW BASELINE SHALL BE STATION 810+00, IN THE VICINITY OF SARIVAL ROAD.

THE 1000 FOOT CORRIDOR SHALL BE ESTABLISHED AND MARKED ON THE GROUND BETWEEN TUTHILL ROAD AND SARIVAL ROAD FROM INFORMATION PROVIDED BY THE FLOOD CONTROL DISTRICT AS IDENTIFIED BELOW. THE SOUTH BOUNDARY OF THE CORRIDOR SHALL BE PERMANENTLY MARKED AT APPROXIMATELY 2500 FOOT INTERVALS.

## CROSS SECTION LAYOUT:

CROSS SECTIONS SHALL BE TAKEN AT 100 FOOT STATIONS ALONG THE LENGTH OF THE BASELINE STARTING WEST OF THE TUTHILL ROAD BRIDGE AT THE TRANSITION STATION WHERE THE BASELINE IS ESTABLISHED ALONG THE SOUTH CLEARING BOUNDARY. THE CROSS SECTIONS SHALL BE TAKEN TO STATION 810+00.

THE CROSS SECTION LIMITS ARE SHOWN ON THE PROVIDED SECTION MAPS. IN GENERAL, CROSS SECTIONS WILL BE TAKEN ACROSS THE TOTAL 1000 FOOT CORRIDOR. CROSS SECTIONS WILL BE EXTENDED TO THE SOUTH OF THE CORRIDOR BETWEEN STATIONS 530+00 TO 550+00. CROSS SECTIONS WILL BE EXTENDED TO THE NORTH OF THE CORRIDOR BETWEEN STATIONS 680+00 TO 810+00.

ELEVATION READINGS ALONG EACH SECTION SHALL BE TAKEN:

- AT A MAXIMUM SPACING OF 100 FEET.
- AT ALL DEFINED GRADE BREAKS.
- AT THE EDGE OF THE WATER SURFACE OF ANY FLOWING WATER.
- IN THE CHANNEL INVERT OF ANY FLOWING WATER.
- TO DETERMINE THE DEPTH OF ANY FLOWING WATER.
- TO THE NEAREST TENTH (0.10) OF A FOOT ELEVATION.
- ON THE BASELINE.
- TO THE NEAREST DEFINED GRADE BREAK OUTSIDE THE LIMITS SHOWN ON THE SECTION MAP.

DOCUMENTATION:

REPRODUCIBLE (MYLAR) DRAWINGS, AT A SCALE OF 1"= 400FT, SHALL BE PROVIDED TO THE FLOOD CONTROL DISTRICT. AS A MINIMUM, THE DRAWINGS WILL INCLUDE:

- THE BASELINE AND THE BOUNDARIES OF THE 1000 FT CORRIDOR.
- ALL HORIZONTAL AND VERTICAL CONTROL DATA.
- ALL BENCHMARKS AND REFERENCE ELEVATIONS.
- LOCATION AND DESCRIPTION OF ALL MAN-MADE STRUCTURES FOUND IN THE LIMITS OF THE CROSS SECTIONS, TO INCLUDE, THE BRIDGE PIERS, WELLS, LINED DITCHES, CONCRETE SLABS, AND ANY OTHER ITEMS THAT MAY BE IMPACTED BY THE DISTRICT'S LOW FLOW CHANNEL OR CLEARING PROJECTS.

THE SURVEYOR SHALL PROVIDE ALL FIELD BOOKS AND NOTES WHICH SHOW THE STATIONS OF ALL CROSS SECTIONS, LOCATION OF THE ELEVATIONS, LOCATION THE MAN-MADE STRUCTURES, AND WERE USED TO DETERMINE THE LOCATION OF THE SECTION CORNERS.

INFORMATION TO BE PROVIDED TO THE SURVEYOR:

THE FLOOD CONTROL DISTRICT WILL PROVIDE TO THE SURVEYOR THE SET OF DRAWINGS PRODUCED BY BRADY ENGINEERING AND LAND SURVEYING FOR THE ESTABLISHMENT OF THE BASELINE FROM MILLER ROAD TO RAINBOW ROAD. THE DISTRICT WILL ALSO PROVIDE 1"=400FT AERIAL PHOTOS AND MATCHING TOPOGRAPHY THAT WAS FLOWN IN 1984. A COMPOSITE SECTION MAP SHOWING THE ALIGNMENT OF THE 1000 FT CORRIDOR BETWEEN THE TUTHILL ROAD BRIDGE AND SARIVAL ROAD WILL BE THE BASIS OF THE SURVEYOR'S WORK IN THIS REACH OF THE RIVER.



Duplicate Original

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT CHANGE ORDER NO. 1

DATE Dec. 19, 1989 FCD CONTRACT NO./NAME 88-51/Consultant Services, Sal  
 To: Brady Engineering and Land Surveying Co. Control

You are hereby directed to make the herein described changes from the plans and specifications or the following described work not included in the plans and specifications on the above-mentioned project.

Changed requested by Flood Control District

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

SHEET NO. 1 OF 1

| BID ITEM NO. | DESCRIPTION                                                                                                                                                                       | ESTIMATED QUANTITY | AS BUILT QUANTITY | DIFF. + OR - | UNIT PRICE | + |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|---|
| 1.           | Extend the contract period of service to 170 days to accommodate previous due to adverse field conditions (high water and heavy vegetation growth).                               |                    |                   |              |            |   |
| 2.           | Place monuments at the locations noted as baseline control points along the baseline shown on the construction plans for FCD Contract 88-16.                                      |                    |                   |              |            |   |
| 3.           | Place hubs at each station (100' intervals) along the baseline alignment numbers corresponding to those shown on the FCD Contract 88-16 plans.                                    |                    |                   |              |            |   |
| 4.           | Extend the contract performance time 30 days to accommodate the work defined in items 2 and 3 above.                                                                              |                    |                   |              |            |   |
| 5.           | The fee for the work defined in items 2 and 3 above shall be \$3,245.00 per letter of September 21, 1989.                                                                         |                    |                   |              |            |   |
| 6.           | Notwithstanding any previous letters to you regarding extension of contract performance time, the total time period extension is 202 days, making a of contract January 16, 1990. |                    |                   |              |            |   |
| 7.           | The total value of the contract, including Change Order No. 1 is \$61,445.00                                                                                                      |                    |                   |              |            |   |

We, the undersigned contractor, have given careful consideration to the change proposed hereby and agree that if this proposal is approved, that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 202 days extension of time will be allowed.  
 Contractor Brady Engineering and Land Surveying  
 By Dennis H. Brady, P.E.  
 Date 12/22/89

Recommended by Alley G. Brathwaite, Jr.  
 Date Dec. 28, 1989  
 Approved By Stanley L. ...  
 Date 12-28-89  
 DEPUTY CHIEF

Change Order Justification/Authorization Memorandum

Date: December 27, 1989  
 Contract No. 88-51

File No. 88-51

Change Order No. 1

MEMO TO: D.E. Sagramoso

FROM: E. Biathrow

Request a Change Order to FCD Contract 88-51; Salt-Gila River survey, Rainbow to Sarival Avenue.

be issued to Brady Engineering and Land Surveying.

The change order is required because (1) additional time required to penetrate heavy vegetative growth and to work around high water flows, (2) reestablish alignment control between Miller and Rainbow Roads (Sta. 190 to 390), and (3) install station staking between Sta. 190 and 390.

The following financial information is submitted:

|                                                | <u>A/E</u> | <u>Construction</u>       |
|------------------------------------------------|------------|---------------------------|
| Initial Contract Amount \$                     | 58,200.00  | \$ N/A                    |
| Change Order Authorization Limit               |            |                           |
| Total Change (20%) \$                          | 11,640.00  | Total Change (10%) \$ N/A |
| Individual Change (15%) \$                     | 8,730.00   | Item Limit (20%) \$ N/A   |
| Amount Previously Authorized in Change Orders: |            | \$ -0-                    |
| Change Order Authorization Remaining:          |            | \$ 11,640.00              |
| Amount Requested for this Change:              |            | \$ 3,245.00               |
| Remaining Change Order Authority               |            | \$ 8,395.00               |

I certify that this change is required to accomplish the overall task for which this contract was initiated.

Funds are available to accomplish this Change Order.

Robert C. Payton  
 Division Chief

Michael J. Ames  
 Controller

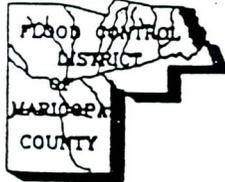
I certify that this change order is within the limits authorized by the County Procurement Code.

Howard E. ...  
 Chief, Contracting Branch

~~APPROVED/DISAPPROVED~~  
Stanley L. Smith, Jr.  
 Chief Engineer and General Manager

STANLEY L. SMITH, JR., P.E.  
 DEPUTY CHIEF ENGINEER

Copy to: Contract File, Controller, Division Chief, and Project Manager



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CONTRACT CHANGE ORDER NO. 2

DATE January 11, 1990 FCD CONTRACT NO./NAME Brady Engineering and Land Surveying

To: \_\_\_\_\_ Contract \_\_\_\_\_  
 You are hereby directed to make the herein described changes from the plans and specifications or do following described work not included in the plans and specifications on the above-mentioned project.

Changed requested by Consultant

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- o (1) Estimate of increases and/or decreases in contract items at contract prices.
- o (2) Estimate of extra work at agreed price and/or actual cost.

SHEET NO. 1 OF 1

| BID ITEM NO. | DESCRIPTION                                                                                                                              | ESTIMATED QUANTITY | AS BUILT QUANTITY | DIFF. + OR - | UNIT PRICE | DIFF. +  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|--------------|------------|----------|
|              | Increase in scope due to excessive amount of brush line work required to accomplish cross-section work.<br>(See Attached Memo of Record) |                    |                   |              |            | +\$8,000 |

We, the undersigned contractor, have given careful consideration to the change proposed hereby agree this proposal is approved, that we will provide all equipment, furnish all material, except as may otherwise be noted above, and perform all services necessary for the work above specified, and we accept as full payment therefor the prices shown above.

By reason of this proposed change n/a days extension of time will be allowed.

Contractor Brady Engineering and Land Surveying

By Dennis Berley  
 Date Jan 12 1990

Recommended by [Signature]  
 Date Jan 10, 1990

Approved By [Signature]  
 Chief Engineer/General Manager  
 Date 1-15-90

Attachment 6  
Change Order Justification/Authorization Memorandum

Date: January 10, 1990

File Nr. FCD 88-51  
Contract Nr. FCD 88-51  
Change Order Nr. 2

MEMO TO: D. E. Sagramoso

FROM: Don Rerick

Request a Change Order to Contract FCD 88-51 ,  
be issued to Brady Engineering and Land Surveying

The change order is required because excessive brushline work was required to  
accomplish the cross section work. See attached Memo of Record.

The following financial information is submitted:

|                                                | A/E                 | Construction       |
|------------------------------------------------|---------------------|--------------------|
| Initial Contract Amount                        | \$ <u>58,200.00</u> | \$ <u>N/A</u>      |
| Change Order Authorization Limit               |                     |                    |
| Total Change (20%)                             | \$ <u>11,640.00</u> | \$ <u>N/A</u>      |
| Individual Change (15%)                        | \$ <u>8,730.00</u>  | \$ <u>N/A</u>      |
| Item Limit (20%)                               |                     |                    |
| Amount Previously Authorized in Change Orders: |                     | \$ <u>3,245.00</u> |
| Change Order Authorization Remaining:          |                     | \$ <u>8,395.00</u> |
| Amount Requested for this Change:              |                     | \$ <u>8,395.00</u> |
| Remaining Change Order Authority               |                     | \$ <u>0.00</u>     |

I certify that this change is required  
to accomplish the overall task for  
which this contract was initiated.

Funds are available to accomplish  
this Change Order.

  
\_\_\_\_\_  
Division Chief

  
\_\_\_\_\_  
Controller

Effective Date: February 27, 1989

FLOOD CONTROL DISTRICT

MEMORANDUM

October 3, 1990

SUBJECT: Gila Low Flow Channel -- Survey Contract Selection Process

TO: John Rodriguez  
Leanna Cumberland

FROM: Don Rerick

There will be one survey contract to be awarded for the remaining the Gila River low flow channel work.

I have attached a copy of the scope of work, which will be used. Also attached is a copy of the latest consultant listing from the Contracts files.

A brief description of the contract follows:

1. FCD 90-49; Baseline layout and tie to section corners, and 1000' cross sections from about Turner Road west and south to about Caliente Rd. Agua  
47,300' of baseline and 240 cross sections, at 200' intervals.  
Small amount of brushline work required for the cross sections.  
Flowing water encountered for most cross sections.

An addition to the scope, if it can be done within contract limits is:

Same as above, but from about Rainbow Rd. to Tuthill Rd.  
14,000' baseline and 70 cross sections.  
Brushline work and flowing water same as above.

Use of aerial mapping for obtaining the cross sections must be part of the work in order to get as much cross sectioning and baseline work done as possible.

The engineer's estimate for the main work is:

|        |             |
|--------|-------------|
| Survey | - \$ 36,200 |
| Aerial | - \$ 21,000 |
| TOTAL  | - \$ 57,200 |

The engineer's estimate for the add'l work is:

|        |             |
|--------|-------------|
| Survey | - \$ 11,050 |
| Aerial | - \$ 6,100  |
| TOTAL  | - \$ 17,150 |

The total engineer's estimate is: \$ 74,350; which is just under the \$75,000 contract limit.

I would like to have the committee meet on Thursday, October 4, 1990 to make the selection.

I have reviewed the consultant files, and recommend that the following firms be considered the short list, from which a ranking of firms can be made and then a selection be made.

- |                         |                    |
|-------------------------|--------------------|
| 1. Affiliated Surveyors | 4. Ellis-Murphy    |
| 2. Anderson-Nelson      | 5. MRT Surveying   |
| 3. Brady Engineering    | 6. Z&H Engineering |

Affiliated, Brady and Z&H have "open survey contracts" with the District.

### AGENDA FORM

Contract/Lease for  NEW  RENEWAL  AMENDMENT  CANCELLATION  
(for existing record Encumbrance No. below)

LOW ORG. NO. 6900 DEPARTMENT: Flood Control District CONTROL NUMBER: FCD-1197

ENCUMBRANCE NO. CS915074 AGENCY: Public Works CONTROL NUMBER: PW-1197

**1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:** It is requested that the Board of Directors award Contract FCD 90-49 to Z & H Engineering, Inc. of Phoenix, Arizona, in a lump sum amount of \$71,370. This contract is for the Salt/Gila River Low Flow Channel survey to establish the right-of-way limits of the 1000' wide corridor and take cross sections west of SR 85 to Cliente Road; a distance of approximately nine miles.

This survey work is necessary for the extension of the low flow channel work previously completed. Resolution FCD 88-11 directing the Chief Engineer and General Manager to plan, design, and construct the Salt/Gila Low Flow Channels was approved on July 11, 1988.

**2. COMPLIANCE WITH MARICOPA COUNTY PROCUREMENT CODE** 5 MC1-509D5  
article paragraph David H. Brunsby  
Procurement Officer

SOLE SOURCE JUSTIFICATION \_\_\_\_\_

**3. CONTINUED FROM MEETING OF** \_\_\_\_\_ **4.  THIS DEPARTMENT WILL CAUSE PUBLICATION**  
**DISCUSSED IN MEETING OF** \_\_\_\_\_  **CLERK OF THE BOARD TO CAUSE PUBLICATION**

**5. MOTION:** It is moved that the Flood Control District of Maricopa County Board of Directors ... award Contract FCD 90-49, Salt/Gila River Low Flow Channel, surveying contract with Z & H Engineering, Inc., in a lump sum amount of \$71,370.

**6. FINANCIAL:**  Expenditure  Revenue  Budgeted  Contingency  Budget Amendment  Transfer  Grant or other

\$ \_\_\_\_\_ Total \_\_\_\_\_ Fund \_\_\_\_\_ Financial Officer \_\_\_\_\_ Date \_\_\_\_\_

**7. PERSONNEL:**  
\_\_\_\_\_  
Personnel Director Date

**8. FLOOD CONTROL DISTRICT:**  
D. Segura 10-29-90 312  
Action Recommended by Date

**9. MATERIALS MANAGEMENT:**  
A. \_\_\_\_\_  
Materials Management Director 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.  
\_\_\_\_\_  
General Counsel Date

**11. OTHER:** Minority Business Office  
\_\_\_\_\_  
Signature Date

**12. APPROVED FOR AGENDA:**  
\_\_\_\_\_  
Approving Official Date

**13. OTHER:**  
\_\_\_\_\_  
Signature Date

**15. RECOMMENDATION OF COUNTY MANAGER:**  
 Approve  Disapprove  
Comments:  
\_\_\_\_\_  
County Manager Date

**14. BOARD OF DIRECTORS: Action taken:**  
 Approved  Amended  Disapproved  Deleted  
Continued to: \_\_\_\_\_  
(Date and type of meeting)  
DEC 29 1990  
\_\_\_\_\_  
Clerk of the Board Date

SUBJECT: Record of Negotiations

TITLE: FCD 90-40

TO: D. E. Sagramoso

FROM: Leanna Cumberland  
Don Rerick

DATE: Oct. 24, 1990

*10/25* *10/25/90*  
PROJECT: Gila River Low Flow Channel survey for baseline layout and obtain  
of cross sections, from State Route 85 to south of Powers Butte.

CONSULTANT: Z&H Engineering, Inc.

FEE PROPOSAL REQUESTED: October 9, 1990

FEE PROPOSAL RECEIVED: October 16, 1990 (initial submittal)  
October 23, 1990 (final submittal)

NEGOTIATION MEETING DATE: October 16, 1990 (initial meeting)  
October 23, 1990 (final meeting)

FCD Staff: John Rodriguez  
Leanna Cumberland  
Don Rerick

CHAIRPERSON: John Rodriguez

CONSULTANT STAFF: Bill Zeisler

RECOMMENDED FEE: \$71,370.00

Note: The initial fee proposal was \$98,000.  
This was for the original two phase  
Scope of Work.

**SUMMARY OF NEGOTIATIONS:**

1. After the initial submittal, based on a two phase scope of work, the scope of work was adjusted to only one phase.
2. The second fee proposal submittal did not include the plotting of cross sections, but because of the fee range available, this was added to the proposal, and included in the final fee negotiated.

SUBMITTED BY: *Don Rerick*

DATE: *10/24/90*



# Flood Control District of Maricopa County

## Contract Change Order No. 1

Date: April 10, 1991 FCD Contract No./Name: 90-49; Salt/Gila Low Flow Channel Survey  
To: Z&H Engineering, Inc., Contractor.

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on the above-mentioned project.

Changes requested by: Flood Control District of Maricopa County

Provide description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price, and actual cost. Unless otherwise stated, rates for rental of equipment on actual cost work cover only such time as equipment is actually used and no allowance will be made for idle times.

- (1) Estimate of increases and/or decreases in contract items at contract prices.
- (2) Estimate of extra work at agreed price and/or actual cost.

Sheet No. 1 of 2

| Bid Item No. | Description             | Estimated Quantity | As Built Quantity | Difference, + or - | Unit Price | Difference, + or -        |             |
|--------------|-------------------------|--------------------|-------------------|--------------------|------------|---------------------------|-------------|
| 1            | Digital Coordinate Data | 1                  |                   | +                  | 135.00     | \$ +135.00                |             |
|              |                         |                    |                   |                    |            | Initial Contract Amount   | \$71,370.00 |
|              |                         |                    |                   |                    |            | Amount Change Order No. 1 | +135.00     |
|              |                         |                    |                   |                    |            | Adjusted Contract Amount  | \$71,505.00 |

We, the undersigned contractor, having given careful consideration to the change(s) proposed, hereby agree, if this proposal is approved, that we will provide all equipment, furnish all material (except as may otherwise be noted above), and perform all services necessary for the work above specified, and we will accept as full payment therefor the prices shown above.

By reason of this proposed change 0 days extension of time will be allowed.

Total new contract amount through this Change Order No. 1 \$ 71,505.00

Contractor: Z&H Engineering, Inc. By: \_\_\_\_\_  
717 West Dunlap Avenue, Suite 100 Title: \_\_\_\_\_  
Phoenix, Arizona 85021 Date: \_\_\_\_\_

Recommended by: *Ronald J. Ferrel* Approved by: *Stanley G. Smith*  
 Date: 4.10.91 Date: 4/11/91  
 Chief Engineer and General Manager

Change Order Justification/Authorization Memorandum

Date: April 10, 1991

File Nr. FCD 90-

MEMO TO: D. E. Sagramoso

Contract Nr. FCD 90-

Change Order Nr. 1

FROM: Donald J. Rerick

Request a Change Order to Contract FCD 90-49, Salt/Gila Low Flow Channel Survey be issued to Z&H Engineering, Inc.

The change order is required to obtain additional digital coordinate information to enable the District to more easily prepare the project plans.

The following financial information is submitted:

Initial Contract Amount \$ 71,370.00

Change Order Authorization Limit

Total Change: A/E - 20% or \$ 20,000.00 max  
Const - 10% or \$100,000.00 max \$ 14,274.00

Individual Change:  
A/E - 15% or \$ 15,000.00 max  
Const - 20% of bid for item \$ 10,705.50

Amount Previously Authorized in Change Orders: \$ 0.00

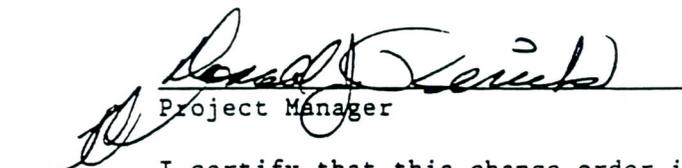
Change Order Authorization Remaining: \$ 14,274.00

Amount Requested for this Change: \$ 135.00

Remaining Change Order Authority: \$ 14,139.00

I certify that this change is required to accomplish the overall task for which this contract was initiated.

Funds are available to accomplish this Change Order.

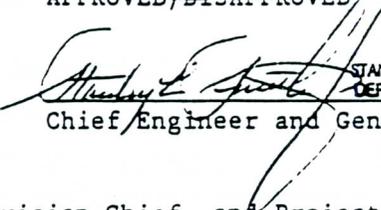
  
Project Manager

 4-10-  
Controller

I certify that this change order is within the limits authorized by the Count Procurement Code.

 4-10-91  
Chief, Contracting Branch

APPROVED/DISAPPROVED

  
Stanley L. Smith Jr. P.E.  
DEPUTY CHIEF ENGINEER  
Chief Engineer and General Manage

Enclosure: Summary of Change Orders

Copy to: Contract File, Controller, Division Chief, and Project Manager

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

**AGENDA FORM**

Contract/Lease for  NEW  RENEWAL  AMENDMENT  CANCELLATION  
(for existing record Encumbrance No. below)

LOW ORG. NO. 6900 DEPARTMENT: Flood Control District CONTROL NUMBER: FCD-1441

ENCUMBRANCE NO. 925105 AGENCY: \_\_\_\_\_ CONTROL NUMBER: PW-94

**1. BRIEF DESCRIPTION OF PROPOSAL AND REQUESTED BOARD ACTION:** It is requested that the Board of Directors approve Change Order No. 1 to Contract FCD 92-01 with Michael Baker, Jr., Inc., for the Salt-Gila Floodplain Delineation. At this time, no increase in the original contract amount of \$1,356,548.80 is required. The \$157,093 cost of the changed scope of work will be taken from the existing \$225,000 Part B authorization.

Due to the January 1993 flooding, much of the topography originally accomplished for the Salt-Gila Floodplain Delineation has changed, especially upstream of McClintock Drive and downstream of 75th Avenue. This results in the necessity for remapping and redelineating of approximately 39 river miles, or 54% of the study length, and approximately 22 square miles, 10% of the study area. This rework comprises the scope of work included in Change Order No. 1, to be added to Part B of Contract FCD 92-01. The original scope of work for Part B for additional delineations, sediment analyses, and other participation in the master planning process is not being deleted; however the need for the work will be assessed at a later time.

**2. COMPLIANCE WITH MARICOPA COUNTY PROCUREMENT CODE** 5 MC1-506  
article paragraph *David A. Brandy*  
Procurement Officer

**SOLE SOURCE JUSTIFICATION** \_\_\_\_\_

**3. CONTINUED FROM MEETING OF** \_\_\_\_\_ **4.  THIS DEPARTMENT WILL CAUSE PUBLICATION**  
**DISCUSSED IN MEETING OF** \_\_\_\_\_  **CLERK OF THE BOARD TO CAUSE PUBLICATION**

**5. MOTION:** It is moved that the Flood Control District of Maricopa County Board of Directors ... approve Change Order No. 1 to Contract FCD 92-01 with Michael Baker, Jr., Inc., in the amount of \$157,093 to be allocated from the \$225,000 included for Part B of the original contract. The original contract total of \$1,356,548.80 remains unchanged.

**6. FINANCIAL:**  Expenditure  Revenue  Budgeted  Contingency  Budget Amendment  Transfer  Grant or other  
N/A

\$ \_\_\_\_\_ FLOOD \_\_\_\_\_ 4-27-93  
Total Func Financial Officer Date

**7. PERSONNEL:** \_\_\_\_\_ **8. FLOOD CONTROL DISTRICT**  
Personnel Director Date *Stanley L. Gault* 4-20-93  
Action Recommended by Date

**9. MATERIALS MANAGEMENT:** \_\_\_\_\_ **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  
**A.** Materials Management Director \_\_\_\_\_ 4/21/93  
Date Date *John M. Simon* 4/21/93  
**B.** W/ABE Representative \_\_\_\_\_ 4/21/93  
Date Date General Counsel Date

**11. OTHER:** Public Works Contracts Administrator 4/22/93 **12. APPROVED FOR AGENDA:** \_\_\_\_\_ 4/22/93  
Signature Date Approving Official Date *William C. Sulzo*

**13. OTHER:** \_\_\_\_\_ **15. RECOMMENDATION OF COUNTY MANAGER:**  
Signature Date  Approve  Disapprove

**14. BOARD OF DIRECTORS: Action taken:**  Approved  Amended  Disapproved  Deleted  
 Continued to: \_\_\_\_\_ 5/17/93  
(Date and type of meeting) *Roy R. Pederson*  
Clerk of the Board Date County Manager Date



**Michael Baker Jr., Inc.**  
 1313 E. Osborn Road, Suite 150  
 Phoenix, Arizona 85014

(602) 279-1234  
 FAX (602) 279-1411

March 23, 1993

**MICHAEL BAKER JR., INC.**  
**SALT/GILA WATER COURSE**

**DELINEATION**  
**COST SUMMARY**

**CHANGE ORDER #1**

**DIRECT LABOR:**

|                              | Estimated<br>hours | Hourly<br>Rate | Labor<br>Costs  |
|------------------------------|--------------------|----------------|-----------------|
| Project Principal            | 14                 | \$45.65        | 639             |
| Project Manager              | 232                | \$35.40        | 8,213           |
| Senior Engineer              | 208                | \$30.67        | 6,379           |
| Project Engineer             | 268                | \$25.74        | 6,898           |
| Engineer                     | 168                | \$21.02        | 3,531           |
| Designer/Technician          | 280                | \$19.50        | 5,460           |
| Clerical                     | 0                  |                |                 |
|                              | 1,170              |                |                 |
| Total Estimated Direct Labor |                    |                | \$31,120        |
| Overhead @ 149.30%           |                    |                | <u>\$46,462</u> |
|                              |                    | Sub-Total:     | \$77,582        |

**OTHER DIRECT COSTS:**

|              |             |             |         |
|--------------|-------------|-------------|---------|
| Mileage      | 800 miles @ | \$0.28/mile | \$224   |
| Computer     |             |             | \$7,000 |
| Reproduction |             |             | \$1,250 |
|              |             | Sub-Total:  | \$8,474 |

**ESTIMATED OUTSIDE SERVICES:**

|                                |  |            |                 |
|--------------------------------|--|------------|-----------------|
| Survey - Jaykim                |  |            | \$17,500        |
| Mapping - McLain Harbers       |  |            | \$34,000        |
| Aerial Flight - McLain Harbers |  |            | \$7,900         |
|                                |  | Sub-Total: | <u>\$59,400</u> |

|                                    |  |                 |
|------------------------------------|--|-----------------|
| Total Estimated Cost to Consultant |  | \$145,456       |
| NET FEE @ 15%                      |  | <u>\$11,637</u> |

**TOTAL ESTIMATED COST** \$157,093

- SCOPE OF WORK  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
MANAGEMENT POLICY STUDY FOR THE SALT-GILA RIVER  
CONTRACT FCD 93-49

**GENERAL**

The project consists of a study to determine appropriate flood control measures and methods to establish and maintain a floodplain management program for the Salt-Gila River between 67th Avenue and Citrus Valley Road west of the Town of Gila Bend (approximately 60 river miles).

**PURPOSE**

The purpose of the study is to investigate particular parameters and characteristics of the Salt-Gila River, as listed in Task 3, in order to determine an effective and financially responsible program for the River. The program is currently envisioned to be a combination of structural capital projects, a managed vegetative corridor, and floodplain management.

**BACKGROUND**

Since the early 1980s, the Flood Control District of Maricopa County, with strong support from local residents, has cleared undesirable non-native phreatophytes from and maintained a 1000-foot wide corridor of vegetation in the Salt-Gila River from 91st Avenue to the Gillespie Dam (36 miles). The purpose of the clearing is to keep open a path of low resistance for low to moderate flows (1,000 to 20,000 cubic feet per second), to promote channel scour in the cleared corridor, and decrease the water surface elevations during higher flows. It was never anticipated that the clearing and pilot channel projects would eliminate flood damage or prevent the natural process of river meander.

The project was amended in the mid-1980s to include a pilot channel in areas where the natural low flows were outside the clearing. This channel is centered in the clearing, had a variable depth and an 80 to 100-foot bottom width. Its average capacity is estimated at 800 to 1000 cubic feet per second (cfs).

In 1992, the pilot channel construction was complete from Sarival Road to the Tuthill Road bridge (5 miles) and from Rainbow Road to Gillespie Dam (18 miles). The remaining 13 miles of cleared corridor had natural low flow channels and did not require a constructed pilot channel.

**STUDY LIMITS**

The study limits for the project is the 100-year floodplain for the Salt-Gila River between 67th Avenue and Citrus Valley Road west of the Town of Gila Bend (approximately 60 river miles). The 100-year floodplain is to be squared-off to the nearest half section.

**PROJECT DURATION**

The total time that this study will take to complete is not to exceed 24 months from the Notice to Proceed.

## TASK 1 - COORDINATION

- 1.1 The Consultant shall submit a project schedule showing coordination meetings and completion dates for each of the tasks in the scope within 14 days of Notice To Proceed. The Consultant shall update this project schedule when appropriate.
- 1.2 The Consultant shall participate in regular coordination meetings (at least every three weeks) with the District's Project Manager and in milestone coordination meetings in the development of the hydrologic, hydraulic, and channel stability analyses. The Consultant is responsible for the minutes of any meetings. Whenever possible, coordination and milestone meetings should be combined.
- 1.3 The Consultant shall submit monthly progress reports at least 5 days before submittal of monthly invoices. The report shall be brief and should be no longer than two typed pages. At a minimum, the monthly report shall contain the following:
  1. A description of the work accomplished by task during the reporting month.
  2. Percent (%) completed for the month and percent (%) cumulative completed for each task.
  3. A brief description of the work to be accomplished the following month.
  4. A description of any problems encountered.
- 1.4 The Consultant is responsible for placing the legal advertising at the beginning of the study, notifying the public of the study. The ad will be run in a widely circulated newspaper two times, with approximately one week between runs. The ad must also be run two times in a local newspaper that serves the area being studied. After the ad is run the Consultant will supply the District with the original affidavits of publication from the newspaper(s) for each day that the ad ran.
- 1.5 The Consultant shall coordinate with the District's Project Manager to obtain Rights-of-Entry for the study area. The District will identify all of the property owners in the study area and prepare Rights-of-Entry letters. The Consultant will be responsible for determining which identified property owners will require Rights-of-Entry letters. The District will mail the letters at its own expense.
- 1.6 The Consultant shall accompany the District's Project Manager to meet with the community, neighborhood associations, and local officials. The purpose of these meetings is to identify local flooding problems and obtain information on current and planned public works projects.

- 1.7 The Consultant shall accompany the District's Project Manager to meet with Federal Emergency Management Agency (FEMA) and the Arizona Department of Emergency Management (ADEM) officials. The purpose of this meeting is to coordinate this study with those agencies for possible financial reimbursement of constructed restorations of damaged Flood Control District projects in the Salt-Gila River within the study area.
- 1.8 The District will plan and conduct two public meetings in conjunction with this study. The first meeting will be to inform the public of the purpose and scope of the study and to solicit any comments or information from the public that should be considered in the study. The second meeting will be to inform the public and obtain public comment on the study results. One representative from the Consultant shall attend each of the meetings.

## **TASK 2 - DATA COLLECTION**

- 2.1 The Consultant shall collect and review pertinent data from the District and other outside sources. Data to be collected will include previous River studies, hydrology for the study area, existing topographic mapping, historical flooding information, aerial photographs, utilities, structures, soil types, vegetation, sediment size distribution, population and land use data, and other pertinent information within the corridor. The majority of the study Area is rural and agricultural. Land use data collection is to be specific to distinguish dairies and feed lots, for example, from crop agriculture.
- 2.2 A written report summarizing the data collected shall be submitted to the District for information purposes. A preliminary draft of this report is due within 90 days of Notice to Proceed.
- 2.3 The Consultant shall conduct a field reconnaissance of the full study reach. The purposes of the reconnaissance are:
  1. To familiarize the Consultant with the River within the study reach.
  2. To conduct qualitative geomorphic analysis within the study reach.
  3. To familiarize the Consultant with the several specific locations to be investigated.

## **TASK 3 - ISSUES TO ANALYZE**

The Consultant shall investigate the following items and base his report on the results.

- 3.1 Historical aerial photographs - Much research has been conducted by the Geography Department at Arizona State University that depicts how the River has changed flow paths. The Consultant shall show in plan view the historical locations of the thalweg. The thalweg meander is to be plotted in no more than 5-year intervals and after major flooding events.

The period of record is to begin with the earliest aerial photographs available.

## 3.2 PHYSICAL EFFECTS ON THE FLOODPLAIN

- 3.2.1 The Consultant shall analyze changes in the River from the pre-development (man-made encroachments) condition to the post-development condition to determine how the flow patterns have changed. In these analyses, the Consultant shall research the geomorphic effects on the River and quantify the changes to plan alignments and profile gradients, channel pattern and regime, and bank stability.
- 3.2.2 The Consultant shall quantify the hydraulic benefits and the channel stability of the Salt-Gila clearing and pilot channel projects. The benefits are to be determined by the analyzing the changes to the water surface, width of flow, velocity, depth, and thalweg meander (vertical and horizontal, see Task 3.1) attributed to the projects. These determinations will be made from existing field conditions with topography and HEC-2 modeling supplied by the District. Channel stability shall be determined by appropriate sediment transport modeling techniques. These analyses are to be conducted for flowrates of 5,000, 10,000, 20,000, and 50,000 cfs. Additionally, a flowrate is to be determined, for which the clearing and pilot channel become "hydraulically buried" and cease to alleviate the effects of flooding. This task shall be expedited, see Task 4.2.
- 3.2.3 The Consultant will quantify the effects on the floodplain in the Arlington Valley caused by Gillespie Dam. The dam is currently breached and the owner is investigating repair options. These determinations shall be made from existing field conditions with topography and HEC-2 modeling supplied by the District.
- 3.3 The Consultant shall determine the costs and benefits of proposed Flood Control District Capital Improvement Program (CIP) projects and recommend appropriate actions. The Consultant is to utilize preliminary HEC-2 hydraulic data, as supplied by the District, and appropriate sediment routing routines in his determination. The specific locations to be investigated are:
- 3.3.1 Channelization and Bank Stabilization from 91st Avenue to the Agua Fria-Gila River Confluence (6 miles) - The District constructed a 1.25 mile levee from 113th Avenue to El Mirage Road (123rd Avenue) in the mid-1980s. The levee was constructed to stabilize and protect the north bank and to provide protection to the "Holly Acres" community located in the northern floodplain in this area for the 100-year flood post-Cliff Dam, (115,000 cfs). Since Cliff Dam was not constructed, the level of protection is between the 10- and 25-year flood.

The District is part of a citizens committee to develop alternatives for this portion of the study area. If the alternative selected is not as described above, the Project Manager shall advise the Consultant and appropriate changes to this scope of work shall be made.

Within this reach, most likely at the 115th Avenue alignment, a new four-lane bridge crossing is proposed. The District will supply the Consultant with data necessary to

evaluate the impacts of the bridge on the floodplain and this potential CIP project.

- 3.3.2 Pilot Channel Between Tuthill Road bridge and Rainbow Road (2.5 miles) - This segment of the Gila River is within the 36-mile 1000-foot clearing corridor, that, prior to 1993 flooding had a naturally established channel. Significant flow alignment changes have occurred since late summer 1992. This project would connect existing pilot channel sections and block secondary channels that have formed west of the bridge at Tuthill Road and north of the clearing corridor in an attempt to establish a flow route in the cleared corridor between the bridge and Rainbow Road.
- 3.3.3 Channelization and Bank Stabilization from the Hassayampa-Gila River confluence to Desert Rose Road (Arlington Valley) (5 miles) - The Gila River takes a 90-degree turn to the south at Powers Butte. The floodplain in the Valley is two miles wide in this reach and property is susceptible to flooding, especially near the River's bend.
- 3.4 The Consultant shall determine the costs and benefits of re-establishing/establishing a managed vegetative corridor, of 1000-foot or other width, from 91st Avenue to Gillespie Dam (36 miles), from 67th Avenue to Gillespie Dam (39 miles), and 91st Avenue to the east edge of Painted Rock Reservoir (at elev. 661 as shown on the U.S.G.S 7.5' Quadrangle Cotton Center, 50 miles).
- 3.5 The Consultant is to determine the length of time necessary to develop and proceed with a Clean Water Act section 404 permit(s). The Consultant shall determine the likely steps to be followed in pursuit of the (those) comprehensive environmental permit(s) and investigate the costs of planning, mitigating, implementing, and complying with the terms of the (those) permit(s) for the following possible projects:
  - 3.5.1 91st Avenue to the Agua Fria-Gila River confluence (6 miles) - for the purposes of channelization and bank protection approximately 2000 feet wide.
  - 3.5.2 Tuthill Road to Rainbow Road (2.5 miles) - for the purpose of channelization approximately 200 feet wide.
  - 3.5.3 Hassayampa-Gila River confluence to Desert Rose Road (Arlington Valley) (5 miles) - for the purposes of channelization and bank stabilization approximately 2000 feet wide.
  - 3.5.4 91st Avenue to Gillespie Dam (36 miles) - for the purpose of re-establishing a 1000-foot wide managed vegetative corridor.
- 3.6 The Consultant shall determine current populations and land uses in the study area. The Consultant is to use this data to project several population and economic growth potential scenarios in the study area. Maricopa Association of Governments (MAG) population and land use projections data may be used to develop these scenarios.

- 3.7 The Consultant shall generate an Average Annual Flood Loss (AAFL) curve for the study area based on the topography provided and preliminary floodplain study results currently underway. The AAFL is the relationship between the flood stage of the River, as depicted by the return period of that flood, and the dollar value of damages caused by that flood stage.

Additional AAFL analyses shall be done based on the population and economic growth scenarios developed in Task 3.6.

#### **TASK 4 - DELIVERABLES**

- 4.1 The Consultant shall compile and deliver a bibliography of the pertinent data and sources collected in Task 2.1 within 45 days of the Notice to Proceed.
- 4.2 The Consultant shall submit, within 180 days of the Notice to Proceed, a brief position paper quantifying the hydraulic benefits and channel stability of the clearing and pilot channel projects and determine the feasibility of restoring the projects based on the hydraulic benefits and channel stability (Task 3.2.2) and estimates of the costs of restoration provided by the District.
- 4.3 The Consultant shall deliver two copies of the draft report summarizing the data collected within 90 days of the Notice to Proceed, as discussed in Task 2.2.
- 4.4 The Consultant shall deliver two copies of the final data report within two weeks of receipt of District comments on the draft report.
- 4.5 The Consultant shall submit, through the District, six copies of the "draft" study report resulting from the investigations in Task 3 and all supporting data and documentation to the Arizona Departments of Water Resources and Environmental Quality, the Arizona Game & Fish Department, the U. S. Corps of Engineers, the U. S. Fish and Wildlife Service, the Federal Emergency Management Agency, the Maricopa County Department of Transportation, and any other governmental agency reviewers identified by the District.

The District will establish a four week comment period for the "draft" report. The Consultant will respond to questions by the reviewers and make necessary modifications to the report as appropriate and prepare and submit two copies of a "final draft" for District review only reflecting agency comments within two weeks of the close of the comment period.

- 4.6 The Consultant shall submit three copies of the "final" study report within four weeks of the close of the comment period.
- 4.6.1 The text sections of the report should include, as a minimum;
1. Introduction
    - a. Purpose of study
    - b. Authority for study
    - c. Coordination and acknowledgments
    - d. Public notification and contact

2. Area Studied
  - a. Scope of study
  - b. Community and study area descriptions
  - c. Principal flooding, environmental, institutional, socio/economic concerns
  - d. Flood protection alternatives and alleviation measures
3. Executive summaries of previous studies and reports
4. Study conclusions
  - a. Recommendations on individual projects or management programs
  - b. Costs and time-lines to design, construct, operate, and maintain individual projects or management programs
5. Engineering methods
  - a. Hydrologic analyses
  - b. Hydraulic analyses
  - c. Geomorphic analyses
  - d. Channel stability analyses
  - e. Definitions and components to "cost" and "benefits"
  - f. Assumptions
  - g. AAFL methodology
6. Floodplain management applications
  - a. Floodplain boundaries
  - b. Channel stability effect
  - c. Merits of floodplain management (non-structural solutions) versus capital projects
7. Discussion of other studies
8. Comparison of the results with other studies and reports, as applicable.
9. Sources of data
10. Bibliography (Partially developed in Task 4.1.)
11. Agencies contacted.

4.6.2 The table and figures that should be included are:

1. Location map at the appropriate scale.
2. Schematic map of the historical thalweg at the appropriate scale.
3. A graphical representation of the geomorphic effects of man-made encroachments, channelizations, and bank stabilizations in Task 3.2.1.
4. A graphical representation of the hydraulic effects and channel stability of the Salt-Gila clearing and pilot channel projects in Task 3.2.2.

5. A graphical representation of the effects on the floodplain in the Arlington Valley caused by Gillespie Dam. Separate analyses are to be done for pre- and post-breach conditions.
6. Charts of the population and economic growth potential. Individual charts are to be provided for current conditions and several population and economic growth potential scenarios as outlined in Task 3.6.
7. Result plots of data generated for the AAFL determinations. Separate plots are to be provided for the AAFL depicting the current condition and those for the projected scenarios.

All tables and figures are to be 11" x 17" maximum in size.

4.6.3 Additional data to be placed in the appendices is to be:

1. Reproductions of documented data referenced in the report.
2. The data sets to generate the AAFL plots.
3. Computer files and maps used for hydraulic modeling.

#### **CHANGES TO THE SCOPE OF WORK**

Subsequent to the Notice to Proceed, specific deviations from the final scope shall not be undertaken without the specific written approval from the Flood Control District. At this time the only foreseen scope of work item that may be changed is Task 3.3.1.

APPENDIX B

| Fiscal Year | Consumer Price Index (CPI 85/86) | Consumer Price Index (CPI 94/95) | Inflation Rate (percent) | Compound Amount Factor (CAF) | "Product Factor" PF | Fiscal Year    | Consumer Price Index (CPI 85/86) | Consumer Price Index (CPI 94/95) | Inflation Rate (percent) | Compound Amount Factor (CAF) | "Product Factor" PF |
|-------------|----------------------------------|----------------------------------|--------------------------|------------------------------|---------------------|----------------|----------------------------------|----------------------------------|--------------------------|------------------------------|---------------------|
|             | (1)                              | (2)                              | (3)                      | (4)                          | (5)                 |                | (1)                              | (2)                              | (3)                      | (4)                          | (5)                 |
| 1959/60     | 27.9                             | 20.4                             | 0.7                      | 1.007                        | 5.06421             | 1977/78        | 62.4                             | 45.5                             | 8.5                      | 1.085                        | 2.10198             |
| 1960/61     | 28.1                             | 20.5                             | 2.1                      | 1.021                        | 4.95834             | 1978/79        | 67.7                             | 49.4                             | 9.0                      | 1.090                        | 1.92843             |
| 1961/62     | 28.7                             | 20.9                             | 1.4                      | 1.014                        | 4.89018             | <b>1979/80</b> | <b>73.8</b>                      | <b>53.8</b>                      | <b>10.0</b>              | <b>1.100</b>                 | <b>1.75311</b>      |
| 1962/63     | 29.1                             | 21.2                             | 1.7                      | 1.017                        | 4.80758             | <b>1980/81</b> | <b>81.2</b>                      | <b>59.2</b>                      | <b>8.4</b>               | <b>1.084</b>                 | <b>1.61726</b>      |
| 1963/64     | 29.6                             | 21.6                             | 2.0                      | 1.020                        | 4.71206             | <b>1981/82</b> | <b>88.0</b>                      | <b>64.2</b>                      | <b>4.7</b>               | <b>1.047</b>                 | <b>1.54466</b>      |
| 1964/65     | 30.2                             | 22.0                             | 3.0                      | 1.030                        | 4.57570             | <b>1982/83</b> | <b>92.1</b>                      | <b>67.2</b>                      | <b>4.2</b>               | <b>1.042</b>                 | <b>1.48240</b>      |
| 1965/66     | 31.1                             | 22.7                             | 3.5                      | 1.035                        | 4.41939             | <b>1983/84</b> | <b>96.0</b>                      | <b>70.0</b>                      | <b>4.2</b>               | <b>1.042</b>                 | <b>1.42265</b>      |
| 1966/67     | 32.2                             | 23.5                             | 3.7                      | 1.037                        | 4.26061             | <b>1984/85</b> | <b>100.0</b>                     | <b>72.9</b>                      | <b>3.1</b>               | <b>1.031</b>                 | <b>1.37988</b>      |
| 1967/68     | 33.4                             | 24.4                             | 5.1                      | 1.051                        | 4.05425             | <b>1985/86</b> | <b>103.1</b>                     | <b>75.2</b>                      | <b>2.8</b>               | <b>1.028</b>                 | <b>1.34229</b>      |
| 1968/69     | 35.1                             | 25.6                             | 5.4                      | 1.054                        | 3.84606             | <b>1986/87</b> | <b>106.0</b>                     | <b>77.3</b>                      | <b>3.4</b>               | <b>1.034</b>                 | <b>1.29815</b>      |
| 1969/70     | 37.0                             | 27.0                             | 5.1                      | 1.051                        | 3.65821             | <b>1987/88</b> | <b>109.6</b>                     | <b>79.9</b>                      | <b>4.5</b>               | <b>1.045</b>                 | <b>1.24225</b>      |
| 1970/71     | 38.9                             | 28.4                             | 5.1                      | 1.051                        | 3.47932             | <b>1988/89</b> | <b>114.5</b>                     | <b>83.5</b>                      | <b>4.4</b>               | <b>1.044</b>                 | <b>1.18990</b>      |
| 1971/72     | 40.9                             | 29.8                             | 5.1                      | 1.051                        | 3.30940             | <b>1989/90</b> | <b>119.5</b>                     | <b>87.2</b>                      | <b>4.3</b>               | <b>1.043</b>                 | <b>1.14084</b>      |
| 1972/73     | 43.0                             | 31.4                             | 7.7                      | 1.077                        | 3.07353             | <b>1990/91</b> | <b>124.6</b>                     | <b>90.9</b>                      | <b>3.4</b>               | <b>1.034</b>                 | <b>1.10333</b>      |
| 1973/74     | 46.3                             | 33.8                             | 9.9                      | 1.099                        | 2.79576             | <b>1991/92</b> | <b>128.8</b>                     | <b>94.0</b>                      | <b>2.6</b>               | <b>1.026</b>                 | <b>1.07537</b>      |
| 1974/75     | 50.9                             | 37.1                             | 7.5                      | 1.075                        | 2.60154             | <b>1992/93</b> | <b>132.2</b>                     | <b>96.4</b>                      | <b>3.7</b>               | <b>1.037</b>                 | <b>1.03700</b>      |
| 1975/76     | 54.7                             | 39.9                             | 6.4                      | 1.064                        | 2.44509             | <b>1993/94</b> | <b>137.1</b>                     | <b>100.0</b>                     | <b>3.7</b>               | <b>1.037</b>                 | <b>1.00000</b>      |
| 1976/77     | 58.2                             | 42.5                             | 7.2                      | 1.072                        | 2.28052             |                |                                  |                                  |                          |                              |                     |

| Column | Explanation |
|--------|-------------|
|--------|-------------|

- |     |                                                                                                                                                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) | Consumer Price Index (CPI) compiled through 1993 by Flood Control District staff in FY 1985/86 current dollars.<br>(See report for sources.)                                                                                    |
| (2) | (1) converted to FY 1993/94 current dollars, (for yr n, $CPI(n) = CPI(n)/CPI(FY\ 1993/94) * 100$ ).                                                                                                                             |
| (3) | Fiscal Year Inflation Rate (f) (for yr n, $f(n)\% = \{(CPI(n+1)/CPI(n)) - 1\} * 100$ ).<br>The inflation rate for FY 1992/93 is repeated for FY 1993/94.                                                                        |
| (4) | Capital Amount Factor is $(1 + f)$ .                                                                                                                                                                                            |
| (5) | "Product Factor" (for yr. n $PF = CAF(FY\ 1993/94) * CAF(FY\ 1992/93) * \dots * CAF(FY\ n+2) * CAF(FY\ n+1)$ ).<br>Thus to inflate a cost from FY 1989/90 dollars to FY 1993/94 dollars multiply cost in FY 1989/90 by 1.14084. |

APPENDIX C

C-1

|                   | Cost Category            |                          |                 |                       |                             |                    |
|-------------------|--------------------------|--------------------------|-----------------|-----------------------|-----------------------------|--------------------|
|                   | Environmental Permitting | Environmental Mitigation | Debris Removal  | Clearing and Grubbing | Earthwork for Open Channels | Engineering Design |
| Constant \$ Costs | \$558,404                | \$5,420,808              | \$82,141        | \$1,052,332           | \$3,151,913                 | \$119,750          |
| Constant \$ Costs |                          |                          |                 | N/A                   | N/A                         | \$240,794          |
| <b>Total</b>      | <b>\$558,404</b>         | <b>\$5,420,808</b>       | <b>\$82,141</b> | <b>\$1,052,332</b>    | <b>\$3,151,913</b>          | <b>\$360,544</b>   |
| "Average PF"      | N/A                      | N/A                      | N/A             | 1.56742               | 1.14922                     | 1.75311            |
| "Average PF"      |                          |                          |                 | N/A                   | N/A                         | 1.29871            |
| Current \$ Costs  | \$558,404                | \$5,420,808              | \$82,141        | \$1,649,442           | \$3,622,233                 | \$209,935          |
| Current \$ Costs  |                          |                          |                 | \$1,529,017           | \$3,937,662                 | \$312,720          |
| <b>Total</b>      | <b>\$558,404</b>         | <b>\$5,420,808</b>       | <b>\$82,141</b> | <b>\$1,529,017</b>    | <b>\$3,937,662</b>          | <b>\$522,656</b>   |

|                   | Cost Category           |                    |                  |                         | Total               |
|-------------------|-------------------------|--------------------|------------------|-------------------------|---------------------|
|                   | Contract Administration | Surveying          | Access Roads     | Management Policy Study |                     |
| Constant \$ Costs | \$421,031               | \$146,984          | \$671,091        | \$600,000               |                     |
| Constant \$ Costs |                         | N/A                |                  |                         |                     |
| Constant \$ Costs |                         | N/A                |                  |                         |                     |
| Constant \$ Costs |                         | \$120,784          |                  |                         |                     |
| <b>Total</b>      | <b>\$421,031</b>        | <b>\$267,768</b>   | <b>\$671,091</b> | <b>\$600,000</b>        | <b>\$12,586,031</b> |
| "Average PF"      | 1.26873                 | 1.15131            | N/A              | N/A                     |                     |
| "Average PF"      |                         | N/A                |                  |                         |                     |
| "Average PF"      |                         | N/A                |                  |                         |                     |
| "Average PF"      |                         | 1.03700            |                  |                         |                     |
| Current \$ Costs  | \$534,173               | \$169,224          | \$671,091        | \$600,000               |                     |
| Current \$ Costs  |                         | \$257,210          |                  |                         |                     |
| Current \$ Costs  |                         | \$928,762          |                  |                         |                     |
| Current \$ Costs  |                         | \$125,253          |                  |                         |                     |
| <b>Total</b>      | <b>\$534,173</b>        | <b>\$1,311,225</b> | <b>\$671,091</b> | <b>\$600,000</b>        | <b>\$15,167,177</b> |

Explanation

Constant \$ Costs are the sum of the costs for the category in the fiscal years that they were incurred.  
 Current \$ Costs are Constant \$ Costs brought to present value.  
 "Average PF" is the multiplier of Current \$ Costs / Constant \$ Costs. It is an indication of when the average dollar was spent in that cost category. (Refer to Table 3.1 for values of PF.)  
 N/A indicates that Current \$ Costs, as developed in Appendix C, do not have a Constant \$ cost equivalent or vice versa. It also means that costs were not developed.

| Cost Category Summary                       | Incurred Cost | Potential Environmental | Adjusted Tables 3.4.1 and 3.5.1 | Complete & Adjusted Category (8) | Include Categories (3), (9), and (10) |
|---------------------------------------------|---------------|-------------------------|---------------------------------|----------------------------------|---------------------------------------|
| Table 3.1.1 Environmental Documentation     | \$225,503     |                         |                                 |                                  |                                       |
| Table 3.1.2 Pot. Env. Documt'n & Permitting |               | \$558,404               | \$558,404                       | \$558,404                        | \$558,404                             |
| Table 3.2.1 Environmental Mitigation        | \$213,937     |                         |                                 |                                  |                                       |
| Table 3.2.2 Pot. Environmental Mitigation   |               | \$5,420,808             | \$5,420,808                     | \$5,420,808                      | \$5,420,808                           |
| Table 3.3.1 Debris Removal                  |               |                         |                                 |                                  | \$82,141                              |
| Table 3.4.1 Clearing and Grubbing           | \$1,649,442   | \$1,649,442             | \$1,529,017                     | \$1,529,017                      | \$1,529,017                           |
| Table 3.5.1 Earthwork for Open Channels     | \$3,622,233   | \$3,622,233             | \$3,937,662                     | \$3,937,662                      | \$3,937,662                           |
| Table 3.6.1 Engineering Studies             | \$209,935     | \$209,935               | \$209,935                       | \$209,935                        | \$209,935                             |
| Table 3.6.2 Engineering Design              | \$312,720     | \$312,720               | \$312,720                       | \$312,720                        | \$312,720                             |
| Table 3.7.1 Contract Admin. and Support     | \$534,173     | \$534,173               | \$534,173                       | \$534,173                        | \$534,173                             |
| Table 3.8.1 Construction Surveying          | \$169,224     | \$169,224               | \$169,224                       | \$257,210                        | \$257,210                             |
| Table 3.8.2 Boundary Survey and Monument.   |               |                         |                                 | \$928,762                        | \$928,762                             |
| Table 3.8.3 Topographic Surveying           |               |                         |                                 | \$125,253                        | \$125,253                             |
| Table 3.9.2 Access Roads                    |               |                         |                                 |                                  | \$671,091                             |
| Management Policy Study (Category (10))     |               |                         |                                 |                                  | \$600,000                             |
| Summary Total                               | \$6,937,167   | \$12,476,940            | \$12,671,945                    | \$13,813,946                     | \$15,167,177                          |

| Environmental Documentation (Table 3.1.1) |           |         |                  |                  |
|-------------------------------------------|-----------|---------|------------------|------------------|
| Contract/Job                              |           |         | Cost Bid         | Cost Current     |
| Number                                    | FY of Bid | PF      | Year             | Dollar           |
| 80-1                                      | 1979/80   | 1.75311 | \$102,986        | \$180,546        |
| 85-14                                     | 1984/85   | 1.37988 | \$23,128         | \$31,914         |
| 5-50041-51                                | 1990/91   | 1.10333 | \$5,882          | \$6,490          |
| FCD025                                    | 1992/93   | 1.03700 | \$6,319          | \$6,553          |
| <b>Total</b>                              |           |         | <b>\$138,315</b> | <b>\$225,503</b> |

| Environmental Documentation and Permitting (Table 3.1.2) |           |         |             |                  |
|----------------------------------------------------------|-----------|---------|-------------|------------------|
| Contract                                                 |           |         | Cost Bid    | Cost Current     |
| Number                                                   | FY of Bid | PF      | Year        | Dollar           |
| 92-20*                                                   | 1993/94   | 1.00000 | \$1,474,000 | \$1,474,000      |
| Prorated Percentage**                                    |           |         | 0.3788      | \$558,404        |
| <b>Prorated Total</b>                                    |           |         |             | <b>\$558,404</b> |

\* Watercourse Master Plan.  
 \*\* 35.8 mi / 94.5mi = 0.3788.

| Environmental Mitigation (Table 3.2.1) |           |         |           |                  |
|----------------------------------------|-----------|---------|-----------|------------------|
| Contract/Job                           |           |         | Cost Bid  | Cost Current     |
| Number                                 | FY of Bid | PF      | Year      | Dollar           |
| None                                   | 1990/91   | N/A     | N/A       | \$36,450         |
| None                                   | 1980/81   | 1.61726 | \$109,745 | \$177,487        |
| <b>Total</b>                           |           |         |           | <b>\$213,937</b> |

| Potential Environmental Mitigation (Table 3.2.2) |          |     |               |                     |
|--------------------------------------------------|----------|-----|---------------|---------------------|
| Unit Cost                                        | Quantity | PF  | Cost Bid Year | Cost Current Dollar |
| 36                                               | 14,203   | N/A | N/A           | \$511,308           |
| 1,300                                            | 3,493    | N/A | N/A           | \$4,540,900         |
| 300                                              | 72       | N/A | N/A           | \$21,600            |
| 1,000                                            | 347      | N/A | N/A           | \$347,000           |
| <b>Total</b>                                     |          |     |               | <b>\$5,420,808</b>  |

{26.9 mi (5280) (10 ft wide) (0.5 density) (2 sides)} / 100 sq-ft per sq = 14,203 sq  
 5280-{(800 ft) (26.9 mi) + (820 ft) (8.9 mi)} / 43560 = 3493 acres  
 {(35.8 mi) (5280) (40 ft) (2 sides)} / 43560 = 347 acres

| Debris Removal (Table 3.3.1) |           |         |               |                     |
|------------------------------|-----------|---------|---------------|---------------------|
| Work Order Number            | FY of Bid | PF      | Cost Bid Year | Cost Current Dollar |
| 93-6002                      | 1993/94   | 1.00000 | \$51,608      | \$51,608            |
| Prorated Percentage*         |           |         | 1.5916        | \$82,141            |
| <b>Prorated Total</b>        |           |         |               | <b>\$82,141</b>     |

\* 4340 acres - ((6 mi (5280) (1000 ft) / 43560) acres) / 2270 acres = 1.5916

| Clearing and Grubbing (Table 3.4.1) |           |         |               |                     |
|-------------------------------------|-----------|---------|---------------|---------------------|
| Contract Number                     | FY of Bid | PF      | Cost Bid Year | Cost Current Dollar |
| 79-5                                | 1979/80   | 1.75311 | \$121,807     | \$213,542           |
| 80-7                                | 1979/80   | 1.75311 | \$192,392     | \$337,285           |
| 82-7                                | 1981/82   | 1.54466 | \$125,680     | \$194,133           |
| 82-21                               | 1982/83   | 1.48240 | \$265,895     | \$394,164           |
| 82-25                               | 1982/83   | 1.48240 | \$97,903      | \$145,132           |
| 83-24                               | 1982/83   | 1.48240 | \$191,398     | \$283,729           |
| 84-22                               | 1983/84   | 1.42265 | \$57,257      | \$81,457            |
| Contracted Total                    |           |         | \$1,052,332   | \$1,649,442         |
| 25% Reduced Total                   |           |         |               | \$1,237,081         |
| Average Cost*                       |           |         |               | \$48,656            |
| Additional Cost (6 miles)           |           |         |               | \$291,936           |
| <b>Prorated Total</b>               |           |         |               | <b>\$1,529,017</b>  |

\* \$1,649,442 / 33.9 mi = \$48,656 per mile

| Earthwork for Open Channels (Table 3.5.1) |           |         |               |                     |
|-------------------------------------------|-----------|---------|---------------|---------------------|
| Contract Number                           | FY of Bid | PF      | Cost Bid Year | Cost Current Dollar |
| 82-13                                     | 1980/81   | 1.61726 | \$59,379      | \$96,032            |
| 85-18                                     | 1985/86   | 1.34229 | \$289,325     | \$388,359           |
| 87-3                                      | 1987/88   | 1.24225 | \$309,375     | \$384,322           |
| 88-16                                     | 1989/90   | 1.14084 | \$623,604     | \$711,433           |
| 90-2                                      | 1990/91   | 1.10333 | \$1,105,143   | \$1,219,336         |
| 91-8                                      | 1991/92   | 1.07537 | \$765,087     | \$822,751           |
| Contracted Total                          |           |         | \$3,151,913   | \$3,622,233         |
| 20% Reduced Total                         |           |         |               | \$2,897,786         |
| Additional Cost (6 miles)*                |           |         |               | \$1,039,876         |
| <b>Total</b>                              |           |         |               | <b>\$3,937,662</b>  |

\* 6.0 mi / 20.9 mi (\$3,622,233) = \$1,039,876

| Engineering Studies (Table 3.6.1) |           |         |               |                     |
|-----------------------------------|-----------|---------|---------------|---------------------|
| Contract Number                   | FY of Bid | PF      | Cost Bid Year | Cost Current Dollar |
| 80-6                              | 1979/80   | 1.75311 | \$30,750      | \$53,908            |
| 80-9                              | 1979/80   | 1.75311 | \$89,000      | \$156,027           |
| <b>Total</b>                      |           |         |               | <b>\$209,935</b>    |

| Engineering Design (Table 3.6.2) |         |                        |          |              |                  |                     |
|----------------------------------|---------|------------------------|----------|--------------|------------------|---------------------|
| Fiscal Year                      | PF      | Engineering (6447)     |          | Adjustments* | Cost Fiscal Year | Cost Current Dollar |
|                                  |         | 105                    | 106      |              |                  |                     |
| 1980/81                          | 1.61726 | \$38,443               |          |              | \$38,443         | \$62,172            |
| 1981/82                          | 1.54466 | \$31,792               |          | (\$29,500)   | \$2,292          | \$3,540             |
| 1982/83                          | 1.48240 | \$10,178               | \$44,842 | (\$29,500)   | \$25,520         | \$37,831            |
| 1983/84                          | 1.42265 |                        | \$14,158 | (\$9,000)    | \$5,158          | \$7,338             |
| 1984/85                          | 1.37988 | Records not available. |          | \$20,580     | \$20,580         | \$28,397            |
| 1985/86                          | 1.34229 |                        | \$27,001 |              | \$27,001         | \$36,243            |
| 1986/87                          | 1.29815 |                        | \$8,685  |              | \$8,685          | \$11,274            |
| 1987/88                          | 1.24225 |                        |          |              |                  |                     |
| 1988/89                          | 1.18990 | \$477                  |          |              | \$477            | \$568               |
| 1989/90                          | 1.14084 |                        | \$35,283 |              | \$35,283         | \$40,252            |
| 1990/91                          | 1.10333 |                        | \$73,445 |              | \$73,445         | \$81,034            |
| 1991/92                          | 1.07537 | \$392                  |          |              | \$392            | \$422               |
| 1992/93                          | 1.03700 |                        | \$3,518  |              | \$3,518          | \$3,648             |
| <b>Total</b>                     |         |                        |          |              | <b>\$240,794</b> | <b>\$312,720</b>    |

\* For FY's 1981/82 and 1982/83, 50% of the costs for the Perryville and Holly Acres levees is subtracted.  
For FY 1983/84 the assumed cost of the Holly Acres levee re-design is subtracted.  
For FY 1984/85 \$20,580 is the average of \$14,158 and \$27,001.  
No Engineering costs were incurred in FY 1987/88.

| Contract Administration and Support (Table 3.7.1) |         |                                     |          |          |          |                              |     |          |          |                               |                |                   |
|---------------------------------------------------|---------|-------------------------------------|----------|----------|----------|------------------------------|-----|----------|----------|-------------------------------|----------------|-------------------|
|                                                   |         | Activity Codes 9001, 9002, and 6973 |          |          |          | Activity Codes 5011 and 5031 |     |          |          | Additions and<br>Adjustments* | Cost           |                   |
| Fiscal<br>Year                                    | PF      | 105                                 |          | 106      |          | 105                          |     | 106      |          |                               | Fiscal<br>Year | Current<br>Dollar |
|                                                   |         | 010/045                             | 040      | 010/045  | 040      | 010/045                      | 040 | 010/045  | 040      |                               |                |                   |
| 1979/80                                           | 1.75311 |                                     |          |          |          |                              |     |          |          | \$5,000                       | \$5,000        | \$8,766           |
| 1980/81                                           | 1.61726 | \$21,545                            | \$13,507 |          |          |                              |     |          |          |                               | \$35,052       | \$56,688          |
| 1981/82                                           | 1.54466 | \$8,616                             | \$6,027  | \$6,531  | \$3      |                              |     |          |          | (\$10,589)                    | \$10,588       | \$16,355          |
| 1982/83                                           | 1.48240 | \$2,188                             | \$36,962 | \$5,326  | \$3,230  |                              |     |          |          | (\$23,853)                    | \$23,853       | \$35,360          |
| 1983/84                                           | 1.42265 | \$2,002                             | \$14,159 | \$7,601  | \$12,092 |                              |     |          |          | (\$10,939)                    | \$24,915       | \$35,445          |
| 1984/85                                           | 1.37988 | Records not available.              |          |          |          |                              |     |          |          | \$35,466                      | \$35,466       | \$48,938          |
| 1985/86                                           | 1.34229 | \$392                               |          | \$8,490  | \$8,630  |                              |     | \$7,683  | \$9,882  |                               | \$35,077       | \$47,084          |
| 1986/87                                           | 1.29815 | \$157                               |          | \$8,984  | \$14,014 |                              |     | \$10,274 | \$15,810 |                               | \$49,239       | \$63,920          |
| 1987/88                                           | 1.24225 |                                     |          | \$12,512 | \$4,073  |                              |     |          |          |                               | \$16,585       | \$20,603          |
| 1988/89                                           | 1.18990 | \$565                               |          | \$1,657  |          |                              |     |          |          |                               | \$2,222        | \$2,644           |
| 1989/90                                           | 1.14084 | \$1,579                             |          | \$16,146 | \$6,296  |                              |     | \$12,869 | \$7,208  |                               | \$44,098       | \$50,309          |
| 1990/91                                           | 1.10333 | \$2,646                             |          | \$21,220 | \$6,287  |                              |     | \$21,440 | \$6,845  |                               | \$58,438       | \$64,476          |
| 1991/92                                           | 1.07537 | \$1,228                             | \$39     | \$8,308  | \$7,061  |                              |     | \$3,366  | \$8,106  |                               | \$28,108       | \$30,226          |
| 1992/93                                           | 1.03700 | \$1,221                             |          | \$19,093 | \$798    |                              |     | \$4,684  | \$399    |                               | \$26,195       | \$27,164          |
| 1993/94                                           | 1.00000 |                                     |          |          |          |                              |     |          |          | \$26,195                      | \$26,195       | \$26,195          |
|                                                   |         |                                     |          |          |          |                              |     |          |          | <b>Total</b>                  | \$421,031      | <b>\$534,173</b>  |

\* \$5,000 is included to account for early project planning.

For FY's 1981/82 and 1982/83, 50% of the costs for the Perryville and Holly Acres levees is subtracted.

For FY 1983/84 the proportion of time spent on the administration of the Holly Acres levee re-design was assumed to be the same as in Table 3.6.2, approximately 30%.

For FY 1984/85 the \$35,466 is the average of the \$35,854 incurred in FY 1983/84 and the \$35,077 incurred in FY 1985/86.

Costs incurred in FY 1992/93 are repeated for FY 1993/94 to account for on-going planning.

| Construction Surveying (Table 3.8.1)                      |                 |           |         |               |                     |
|-----------------------------------------------------------|-----------------|-----------|---------|---------------|---------------------|
| Contract/Job Number                                       | Baseline Length | FY of Bid | PF      | Cost Bid Year | Cost Current Dollar |
| 8325-00                                                   | N/A             | 1982/83   | 1.48240 | \$930         | \$1,379             |
| 87-3                                                      | 4,500           | 1987/88   | 1.24225 | \$4,709       | \$5,850             |
| 88-51                                                     | 44,800          | 1988/89   | 1.18990 | \$69,840      | \$83,102            |
| 90-49                                                     | 47,300          | 1990/91   | 1.10333 | \$71,505      | \$78,894            |
| Contracted Total                                          |                 |           |         | \$146,984     | \$169,224           |
| Avg. Unit Cost from Contracts 88-51 and 90-49 (per mile)* |                 |           |         |               | \$9,293             |
| Survey costs for 26.9 miles**                             |                 |           |         |               | \$249,982           |
| <b>Anticipated Reimbursement</b>                          |                 |           |         |               | <b>\$257,210</b>    |

\*  $\{(\$83,102 + \$78,894) / (44,800 \text{ ft} + 47,300 \text{ ft})\} (5280) = \$9,293$   
\*\*  $(\$9,293) (26.9) = \$249,982$

| Boundary Monuments (used in Table 3.8.2)                                                                                                                          |      |          |                 |                  |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|------------------|-------------------|
| Angle-Point Monuments                                                                                                                                             |      |          |                 |                  |                   |
| Item                                                                                                                                                              | Unit | Cost     | Quantity (8)    | Total            | Unit Cost         |
| Monument (1)                                                                                                                                                      | each | \$1,058  | 103             | \$108,923        |                   |
| Installation (2)                                                                                                                                                  | each | \$3,800  | 103             | \$391,400        |                   |
|                                                                                                                                                                   |      |          | <b>Subtotal</b> | <b>\$500,323</b> | <b>\$4,857.50</b> |
| Intermediate Monuments                                                                                                                                            |      |          |                 |                  |                   |
| Item                                                                                                                                                              | Unit | Cost     | Quantity (9)    | Total            | Unit Cost         |
| Monument (3)                                                                                                                                                      | each | \$40.00  | 275             | \$11,000         |                   |
| Contrete                                                                                                                                                          | bag  | \$42.24  | 275             | \$11,616         |                   |
| Labor (4)                                                                                                                                                         | day  | \$510.00 | 55              | \$28,050         |                   |
| Crew Truck (5)                                                                                                                                                    | day  | \$40.00  | 55              | \$2,200          |                   |
| Auger (6)                                                                                                                                                         | day  | \$10.00  | 55              | \$550            |                   |
| Cement Mixer (7)                                                                                                                                                  | day  | \$14.00  | 55              | \$770            |                   |
|                                                                                                                                                                   |      |          | <b>Subtotal</b> | <b>\$54,186</b>  | <b>\$197.04</b>   |
|                                                                                                                                                                   |      |          | Total           | \$554,509        |                   |
| <u>Explanation</u>                                                                                                                                                |      |          |                 |                  |                   |
| (1) W14x90 wide flange I-beam (14" depth and 90 lbs per foot)<br>50-ft. joints (lengths) pile driven to a depth of 40-ft.                                         |      |          |                 |                  |                   |
| (2) Verbal contractor estimate of \$2,500 to \$3,500 per monument plus \$800 per monument for contractor to make his own access roads. Mid value of \$3,800 used. |      |          |                 |                  |                   |
| (3) 8-ft by 4-in galvanized pipe.                                                                                                                                 |      |          |                 |                  |                   |
| (4) 3 man crew @ \$17 per hour per man working 10 hour day (40 hr week).                                                                                          |      |          |                 |                  |                   |
| (5) \$0.40 per mile @ 100 miles per day.                                                                                                                          |      |          |                 |                  |                   |
| (6) #38751 Auger (2-man) @ \$1.00 per hour.                                                                                                                       |      |          |                 |                  |                   |
| (7) #00739 Essick Mixer (10 hp).                                                                                                                                  |      |          |                 |                  |                   |
| (8) $\{(35.8) (5280) (2\text{sides})\} / 1000 = 378$ total monuments, 1000 feet apart.<br>103 are primary (angle-point).<br>275 are secondary (intermediate).     |      |          |                 |                  |                   |
| (9) The estimated rate for placing intermediate markers is 5 per day.                                                                                             |      |          |                 |                  |                   |

| Unit Cost Development for Boundary Survey |                                                                                                                                                                                                                                                                                                                                                                                     |          |                          |                            |                            |                 |                               |                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|----------------------------|----------------------------|-----------------|-------------------------------|-----------------|
| Task Number                               | Proposal 90-33 Task Items                                                                                                                                                                                                                                                                                                                                                           | Original | Less Cross Section Items | Reduced Aerial Photography | Adjusted to Current Dollar |                 |                               |                 |
|                                           |                                                                                                                                                                                                                                                                                                                                                                                     |          |                          |                            |                            | Boundary Factor | Boundary Total                |                 |
|                                           |                                                                                                                                                                                                                                                                                                                                                                                     | (1)      | (2)                      | (3)                        | (4)                        | (5)             | (6)                           |                 |
| 1                                         | Research & Reconnaissance                                                                                                                                                                                                                                                                                                                                                           | \$1,880  | \$1,880                  | \$1,880                    | 1.10333                    | 0.8             | \$1,659                       |                 |
| 2                                         | Establishing Flight Panels                                                                                                                                                                                                                                                                                                                                                          | \$6,100  | \$6,100                  | \$6,100                    | 1.10333                    | 1.0             | \$6,730                       |                 |
| 3                                         | Photography & Mapping                                                                                                                                                                                                                                                                                                                                                               | \$35,309 | \$35,309                 | \$19,230                   | 1.10333                    | 1.0             | \$21,217                      |                 |
| 4                                         | Baseline Control                                                                                                                                                                                                                                                                                                                                                                    | \$14,400 | \$14,400                 | \$14,400                   | 1.10333                    | 1.5             | \$23,832                      |                 |
| 5                                         | Bench Loop                                                                                                                                                                                                                                                                                                                                                                          | \$12,280 | \$12,280                 | \$12,280                   | 1.10333                    | 2.0             | \$27,098                      |                 |
| 6                                         | Temporary Benchmarks                                                                                                                                                                                                                                                                                                                                                                | \$4,240  | \$4,240                  | \$4,240                    | 1.10333                    | 1.0             | \$4,678                       |                 |
| 7                                         | Cross Sections                                                                                                                                                                                                                                                                                                                                                                      | \$8,880  | \$0                      | \$0                        | 1.10333                    | 0.0             | \$0                           |                 |
| 8                                         | Preparation Base Maps                                                                                                                                                                                                                                                                                                                                                               | \$6,160  | \$6,160                  | \$6,160                    | 1.10333                    | 1.0             | \$6,797                       |                 |
| 9                                         | Plot Cross Sections                                                                                                                                                                                                                                                                                                                                                                 | \$7,480  | \$0                      | \$0                        | 1.10333                    | 0.0             | \$0                           |                 |
| 10                                        | Materials & Related Expenses                                                                                                                                                                                                                                                                                                                                                        | \$1,500  | \$1,500                  | \$1,500                    | 1.10333                    | 1.0             | \$1,655                       |                 |
| Totals                                    |                                                                                                                                                                                                                                                                                                                                                                                     | \$98,229 | \$81,869                 | \$65,790                   |                            |                 | \$93,666                      |                 |
| Column                                    | Explanation                                                                                                                                                                                                                                                                                                                                                                         |          |                          |                            |                            |                 | Contract Length (ft) - 47,300 |                 |
|                                           | (1) Quoted from October 23, 1990 proposal (Contract 90-49).                                                                                                                                                                                                                                                                                                                         |          |                          |                            |                            |                 | <b>Unit Cost (per foot)</b>   | <b>\$1.98</b>   |
|                                           | (2) Cross section work will not be necessary for boundary survey.                                                                                                                                                                                                                                                                                                                   |          |                          |                            |                            |                 | <b>Unit Cost (per mile)</b>   | <b>\$10,454</b> |
|                                           | (3) Aerial mapping proposal of October 18, 1990 used.                                                                                                                                                                                                                                                                                                                               |          |                          |                            |                            |                 |                               |                 |
|                                           | (4) PF for FY 1990/91.                                                                                                                                                                                                                                                                                                                                                              |          |                          |                            |                            |                 |                               |                 |
|                                           | (5) Projected factor for activity - surveying for pilot channel vs. surveying for corridor boundary.<br>Equal effort in tasks 2, 3, 6, 8, and 10 is projected.<br>Survey procedures reduce the effort for task 1.<br>Control will be necessary for two lines; however, effort is anticipated to be only 50% larger, task 4.<br>Twice as many bench loops need to be made in task 5. |          |                          |                            |                            |                 |                               |                 |
|                                           | (6) Product of columns (3), (4), and (5).                                                                                                                                                                                                                                                                                                                                           |          |                          |                            |                            |                 |                               |                 |

| Boundary Survey and Monumentation (Table 3.8.2) |            |          |                  |
|-------------------------------------------------|------------|----------|------------------|
| Item                                            | Unit Cost  | Quantity | Total            |
| Boundary Survey                                 | \$10,454   | 35.8     | \$374,253        |
| Primary Monuments                               | \$4,857.50 | 103      | \$500,323        |
| Secondary Monuments                             | \$197.04   | 275      | \$54,186         |
| <b>Total</b>                                    |            |          | <b>\$928,762</b> |

| Location                                    | Length (ft)    | Equipment    | Unit Cost      | Hours       | Total            |
|---------------------------------------------|----------------|--------------|----------------|-------------|------------------|
| 1 - Gillespie Dam                           | 47,497         | A, B, C<br>D | \$22.25        | 720         | \$16,022         |
|                                             |                |              | \$22.27        | 120         | \$2,672          |
|                                             |                |              |                | 840         | \$18,695         |
| 2 - Arlington Dike                          | 42,892         | A, B, C<br>D | \$22.25        | 645         | \$14,353         |
|                                             |                |              | \$22.27        | 110         | \$2,450          |
|                                             |                |              |                | 755         | \$16,803         |
| 3 - Powers Butte                            | 12,660         | A, B, C<br>D | \$22.25        | 210         | \$4,673          |
|                                             |                |              | \$22.27        | 60          | \$1,336          |
|                                             |                |              |                | 270         | \$6,009          |
| 4 - Hassayampa                              | 7,380          | A, B, C<br>D | \$22.25        | 120         | \$2,670          |
|                                             |                |              | \$22.27        | 40          | \$891            |
|                                             |                |              |                | 160         | \$3,561          |
| 5 - Palo Verde                              | 12,600         | A, B, C<br>D | \$22.25        | 210         | \$4,673          |
|                                             |                |              | \$22.27        | 60          | \$1,336          |
|                                             |                |              |                | 270         | \$6,009          |
| 6 - SR 85                                   | 37,772         | A, B, C<br>D | \$22.25        | 600         | \$13,352         |
|                                             |                |              | \$22.27        | 100         | \$2,227          |
|                                             |                |              |                | 700         | \$15,579         |
| 7 - SR 85 East                              | 15,840         | A, B, C<br>D | \$22.25        | 240         | \$5,341          |
|                                             |                |              | \$22.27        | 40          | \$891            |
|                                             |                |              |                | 280         | \$6,232          |
| 8 - Rooks Rd.                               | 46,370         | A, B, C<br>D | \$22.25        | 720         | \$16,022         |
|                                             |                |              | \$22.27        | 120         | \$2,672          |
|                                             |                |              |                | 840         | \$18,695         |
| 9 - Airport Road                            | 37,366         | A, B, C<br>D | \$22.25        | 570         | \$12,684         |
|                                             |                |              | \$22.27        | 100         | \$2,227          |
|                                             |                |              |                | 670         | \$14,911         |
| 10 - King's Ranch                           | 47,676         | A, B, C<br>D | \$22.25        | 720         | \$16,022         |
|                                             |                |              | \$22.27        | 120         | \$2,672          |
|                                             |                |              |                | 840         | \$18,695         |
| 11 - Agua Fria                              | 28,906         | A, B, C<br>D | \$22.25        | 450         | \$10,014         |
|                                             |                |              | \$22.27        | 80          | \$1,782          |
|                                             |                |              |                | 530         | \$11,796         |
| 12 - 115th Avenue                           | 37,366         | A, B, C<br>D | \$22.25        | 600         | \$13,352         |
|                                             |                |              | \$22.27        | 120         | \$2,672          |
|                                             |                |              |                | 720         | \$16,024         |
| <b>Total</b>                                | <b>374,325</b> |              |                | <b>6875</b> | <b>\$153,010</b> |
| <b>Average (cost per mile, (equipment))</b> |                |              | <b>\$2,158</b> |             |                  |

| Equipment Desination                                                  | Equipment Item          | Unit Cost |
|-----------------------------------------------------------------------|-------------------------|-----------|
| A                                                                     | OO470 D7 Bulldozer      | \$20.14   |
| B                                                                     | OO484 D7 Bulldozer*     | \$23.97   |
| C                                                                     | OO474 4-wh. Dr. Backhoe | \$22.65   |
| D                                                                     | OOO61 Blade Cat 140G    | \$22.27   |
|                                                                       | A, B, C, Average        | \$22.25   |
| * 4-Wheel drive vehicle is required in order to manuever in riverbed. |                         |           |

| Location                                | Length (ft)    | Personnel    | Unit Cost          | Hours       | Total            |
|-----------------------------------------|----------------|--------------|--------------------|-------------|------------------|
| 1 - Gillespie Dam                       | 47,497         | A, B, C<br>D | \$15.32<br>\$18.01 | 720         | \$11,033         |
|                                         |                |              |                    | 120         | \$2,161          |
|                                         |                |              |                    | 840         | \$13,194         |
| 2 - Arlington Dike                      | 42,892         | A, B, C<br>D | \$15.32<br>\$18.01 | 645         | \$9,884          |
|                                         |                |              |                    | 110         | \$1,981          |
|                                         |                |              |                    | 755         | \$11,865         |
| 3 - Powers Butte                        | 12,660         | A, B, C<br>D | \$15.32<br>\$18.01 | 210         | \$3,218          |
|                                         |                |              |                    | 60          | \$1,081          |
|                                         |                |              |                    | 270         | \$4,299          |
| 4 - Hassayampa                          | 7,380          | A, B, C<br>D | \$15.32<br>\$18.01 | 120         | \$1,839          |
|                                         |                |              |                    | 40          | \$720            |
|                                         |                |              |                    | 160         | \$2,559          |
| 5 - Palo Verde                          | 12,600         | A, B, C<br>D | \$15.32<br>\$18.01 | 210         | \$3,218          |
|                                         |                |              |                    | 60          | \$1,081          |
|                                         |                |              |                    | 270         | \$4,299          |
| 6 - SR 85                               | 37,772         | A, B, C<br>D | \$15.32<br>\$18.01 | 600         | \$9,194          |
|                                         |                |              |                    | 100         | \$1,801          |
|                                         |                |              |                    | 700         | \$10,995         |
| 7 - SR 85 East                          | 15,840         | A, B, C<br>D | \$15.32<br>\$18.01 | 240         | \$3,678          |
|                                         |                |              |                    | 40          | \$720            |
|                                         |                |              |                    | 280         | \$4,398          |
| 8 - Rooks Rd.                           | 46,370         | A, B, C<br>D | \$15.32<br>\$18.01 | 720         | \$11,033         |
|                                         |                |              |                    | 120         | \$2,161          |
|                                         |                |              |                    | 840         | \$13,194         |
| 9 - Airport Road                        | 37,366         | A, B, C<br>D | \$15.32<br>\$18.01 | 570         | \$8,734          |
|                                         |                |              |                    | 100         | \$1,801          |
|                                         |                |              |                    | 670         | \$10,535         |
| 10 - King's Ranch                       | 47,676         | A, B, C<br>D | \$15.32<br>\$18.01 | 720         | \$11,033         |
|                                         |                |              |                    | 120         | \$2,161          |
|                                         |                |              |                    | 840         | \$13,194         |
| 11 - Agua Fria                          | 28,906         | A, B, C<br>D | \$15.32<br>\$18.01 | 450         | \$6,896          |
|                                         |                |              |                    | 80          | \$1,441          |
|                                         |                |              |                    | 530         | \$8,336          |
| 12 - 115th Avenue                       | 37,366         | A, B, C<br>D | \$15.32<br>\$18.01 | 600         | \$9,194          |
|                                         |                |              |                    | 120         | \$2,161          |
|                                         |                |              |                    | 720         | \$11,355         |
| <b>Total</b>                            | <b>374,325</b> |              |                    | <b>6875</b> | <b>\$108,223</b> |
| <b>Average (cost per mile, (labor))</b> |                |              | <b>\$1,527</b>     |             |                  |

| Equipment Desination | Job Classification     | Unit Cost |
|----------------------|------------------------|-----------|
| A                    | Equipment Operator IV  | \$15.65   |
| B                    | Equipment Operator III | \$16.58   |
| C                    | Equipment Operator II  | \$13.74   |
| D                    | Equipment Operator IV  | \$18.01   |
|                      | A, B, C, Average       | \$15.32   |

C-11

| Location                                   | Length (ft) | Width (ft) | Depth (in) | Cubic Yards     |         |           |             |
|--------------------------------------------|-------------|------------|------------|-----------------|---------|-----------|-------------|
|                                            |             |            |            |                 | Tons    | Unit Cost | Total       |
| 1 - Gillespie Dam                          | 47,497      | 20         | 4          | 11,874          | 17,811  | \$14.30   | \$254,703   |
| 2 - Arlington Dike                         | 42,892      | 20         | 4          | 10,723          | 16,085  | \$14.30   | \$230,008   |
| 3 - Powers Butte                           | 12,660      | 20         | 4          | 3,165           | 4,748   | \$14.30   | \$67,889    |
| 4 - Hassayampa                             | 7,380       | 20         | 4          | 1,845           | 2,768   | \$14.30   | \$39,575    |
| 5 - Palo Verde                             | 12,600      | 20         | 4          | 3,150           | 4,725   | \$14.30   | \$67,568    |
| 6 - SR 85                                  | 37,772      | 20         | 4          | 9,443           | 14,165  | \$14.30   | \$202,552   |
| 7 - SR 85 East                             | 15,840      | 20         | 4          | 3,960           | 5,940   | \$14.30   | \$84,942    |
| 8 - Rooks Rd.                              | 46,370      | 20         | 4          | 11,593          | 17,389  | \$14.30   | \$248,659   |
| 9 - Airport Road                           | 37,366      | 20         | 4          | 9,342           | 14,012  | \$14.30   | \$200,375   |
| 10 - King's Ranch                          | 47,676      | 20         | 4          | 11,919          | 17,879  | \$14.30   | \$255,663   |
| 11 - Agua Fria                             | 28,906      | 20         | 4          | 7,227           | 10,840  | \$14.30   | \$155,008   |
| 12 - 115th Avenue                          | 37,366      | 20         | 4          | 9,342           | 14,012  | \$14.30   | \$200,375   |
| Total                                      | 374,325     |            |            | 93,581          | 140,372 |           | \$2,007,318 |
| <b>Average (cost per mile, (material))</b> |             |            |            | <b>\$28,314</b> |         |           |             |

Topographic Surveying (Table 3.8.3)

| Re-topographed Portion                           | Portion Length (mi) | FY of Bid | PF      | Prorated Cost         |                  |
|--------------------------------------------------|---------------------|-----------|---------|-----------------------|------------------|
|                                                  |                     |           |         | Bid Year              | Current Dollar   |
| Gillespie Dam to Powers Butte                    | 7.0                 | 1992/93   | 1.03700 | \$51,870              | \$53,790         |
| Upstream of SR 85 Bridge                         | 4.0                 | 1992/93   | 1.03700 | \$29,640              | \$30,737         |
| Waterman Wash to Tuthill Rd. bridge              | 2.8                 | 1992/93   | 1.03700 | \$20,748              | \$21,516         |
| Dysart Rd. to 115th Ave.                         | 2.5                 | 1992/93   | 1.03700 | \$18,525              | \$19,211         |
| West of I-10 to East of Hohokam Expwy.           | 2.4                 | 1992/93   | 1.03700 | \$17,784              | \$18,442         |
| Country Club Dr. to 0.5 mi. Upstream of Mesa Dr. | 2.5                 | 1992/93   | 1.03700 | \$18,525              | \$19,211         |
| Total                                            | 21.2                |           |         | \$157,093             | \$162,905        |
| Total Downstream of 91st Avenue                  | 16.3                |           |         | \$120,784             | \$125,253        |
|                                                  |                     |           |         | <b>Prorated Total</b> | <b>\$125,253</b> |

Access Roads Unit Costs (Table 3.9.1)

|                                      | Unit Cost (per mile) |
|--------------------------------------|----------------------|
| Equipment (from page C-8) 9          | \$2,158              |
| Labor (from page C-9) 10             | \$1,527              |
| Material (from page C-10) 11         | \$28,314             |
| <b>Subtotal (Improvement)</b>        | <b>\$31,999</b>      |
| Land*                                | \$6,061              |
| <b>Total (Land plus Improvement)</b> | <b>\$38,060</b>      |

\* ((20 ft) (5280) (\$2,500 per acre)) / 43560 = \$6,061

*FCD estimate at \$700/acre*

C-12

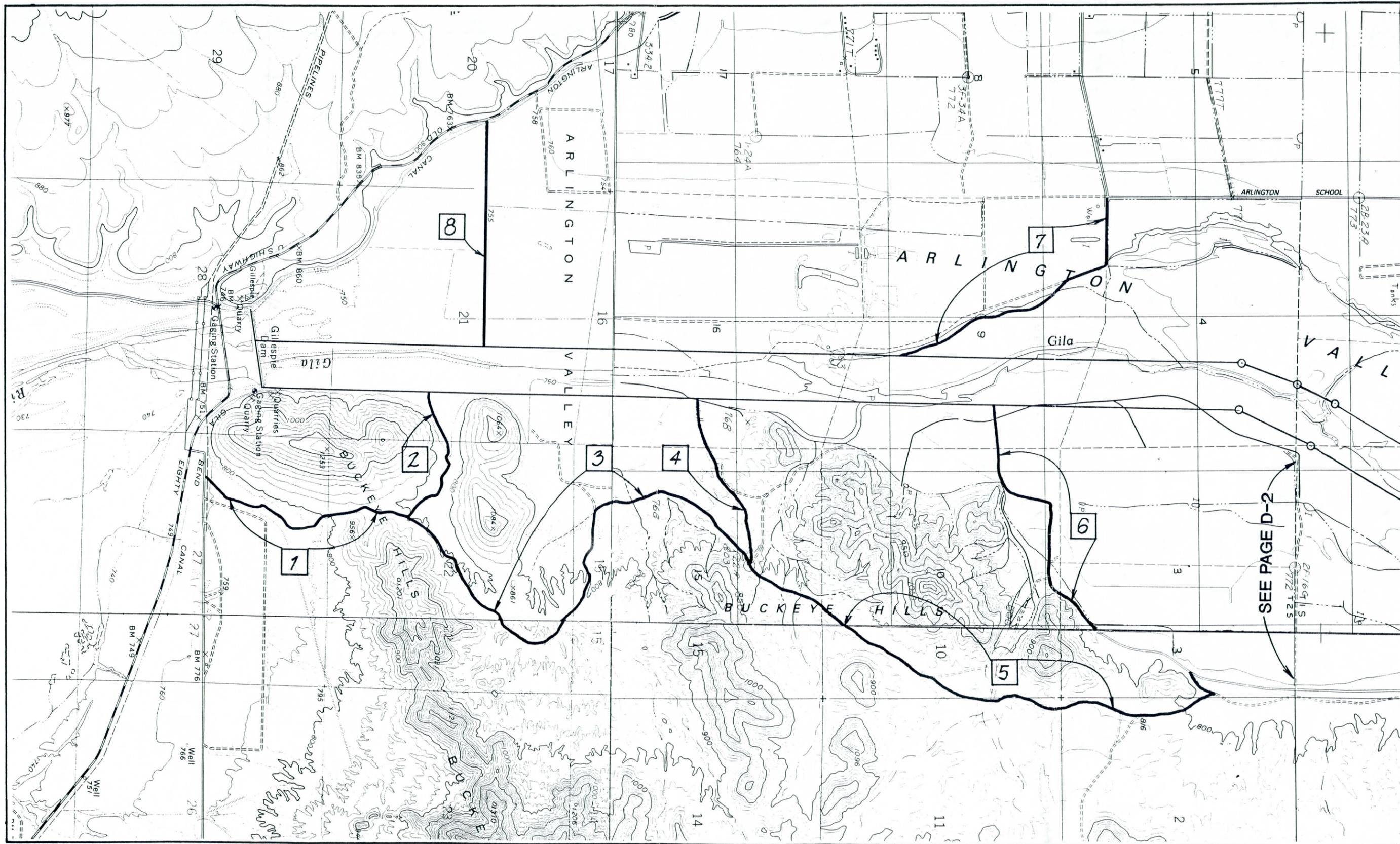
| Segment Number | Preliminary       |                    | Final             |                    |                    |                     | ROW Cost* | Imp. Cost** | Total Cost |  |
|----------------|-------------------|--------------------|-------------------|--------------------|--------------------|---------------------|-----------|-------------|------------|--|
|                | ROW Length (feet) | Imp. Length (feet) | ROW Length (feet) | Imp. Length (feet) | ROW Length (miles) | Imp. Length (miles) |           |             |            |  |
| 1              | 4,700             |                    | 4,700             |                    | 0.89               |                     | \$5,394   |             | \$5,394    |  |
| 2              | 2,200             | 800                | 3,000             | 800                | 0.72               | 0.15                | \$5,273   | \$4,800     | \$10,073   |  |
| 3              | 11,000            |                    | 11,000            |                    | 2.08               |                     | \$12,607  |             | \$12,607   |  |
| 4              | 3,000             | 700                | 3,700             | 700                | 0.83               | 0.13                | \$5,819   | \$4,160     | \$9,978    |  |
| 5              | 11,500            |                    | 11,500            |                    | 2.18               |                     | \$13,213  |             | \$13,213   |  |
| 6              | 5,600             | 300                | 5,900             | 300                | 1.17               | 0.06                | \$7,455   | \$1,920     | \$9,375    |  |
| 7              | 2,300             | 4,000              | 6,300             | 4,000              | 1.95               | 0.76                | \$16,425  | \$24,319    | \$40,745   |  |
| 8              | 2,800             | 2,000              | 4,800             | 2,000              | 1.29               | 0.38                | \$10,122  | \$12,160    | \$22,281   |  |
| 9              | 5,000             | 600                | 5,600             | 600                | 1.17               | 0.11                | \$7,758   | \$3,520     | \$11,278   |  |
| 10             | 8,400             |                    | 8,400             |                    | 1.59               |                     | \$9,637   |             | \$9,637    |  |
| 11             | 2,100             | 2,100              |                   | 2,100              |                    | 0.40                | \$2,424   | \$12,800    | \$15,224   |  |
| 12             | 18,100            |                    | 18,100            |                    | 3.43               |                     | \$20,789  |             | \$20,789   |  |
| 13             | 2,400             |                    | 2,400             |                    | 0.45               |                     | \$2,727   |             | \$2,727    |  |
| 14             | 19,000            |                    | 19,000            |                    | 3.60               |                     | \$21,820  |             | \$21,820   |  |
| 15             | 4,100             | 4,100              |                   | 4,100              |                    | 0.78                | \$4,728   | \$24,959    | \$29,687   |  |
| 16             | 12,000            | 300                | 12,300            | 300                | 2.39               | 0.06                | \$14,849  | \$1,920     | \$16,769   |  |
| 17             | 2,400             | 1,700              | 4,100             | 1,700              | 1.10               | 0.32                | \$8,607   | \$10,240    | \$18,846   |  |
| 18             | 7,800             | 1,700              | 9,500             | 1,700              | 2.12               | 0.32                | \$14,789  | \$10,240    | \$25,029   |  |
| 19             | 6,900             | 6,900              |                   | 6,900              |                    | 1.31                | \$7,940   | \$41,919    | \$49,859   |  |
| 20             | 500               | 1,600              | 2,100             | 1,600              | 0.70               | 0.30                | \$6,061   | \$9,600     | \$15,661   |  |
| 21             | 7,300             | 7,300              |                   | 7,300              |                    | 1.38                | \$8,364   | \$44,159    | \$52,523   |  |
| 22             | 2,000             | 6,200              | 8,200             | 6,200              | 2.73               | 1.17                | \$23,638  | \$37,439    | \$61,077   |  |
| 23             | 5,300             | 1,000              | 6,300             | 1,000              | 1.38               | 0.19                | \$9,516   | \$6,080     | \$15,596   |  |
| 24             | 1,400             | 3,000              | 4,400             | 3,000              | 1.40               | 0.57                | \$11,940  | \$18,239    | \$30,180   |  |
| 25             | 12,800            |                    | 12,800            |                    | 2.42               |                     | \$14,668  |             | \$14,668   |  |
| 26             | 1,200             | 1,200              |                   | 1,200              |                    | 0.23                | \$1,394   | \$7,360     | \$8,754    |  |
| 27             | 8,900             |                    | 8,900             |                    | 1.69               |                     | \$10,243  |             | \$10,243   |  |
| 28             | 1,600             | 1,000              | 2,600             | 1,000              | 0.68               | 0.19                | \$5,273   | \$6,080     | \$11,353   |  |
| 29             | 1,900             | 1,200              | 3,100             | 1,200              | 0.81               | 0.23                | \$6,303   | \$7,360     | \$13,663   |  |
| 30             | 3,200             | 3,200              |                   | 3,200              |                    | 0.61                | \$3,697   | \$19,519    | \$23,217   |  |
| 31             | 2,400             | 2,400              |                   | 2,400              |                    | 0.45                | \$2,727   | \$14,400    | \$17,127   |  |
| 32             | 1,800             | 1,800              |                   | 1,800              |                    | 0.34                | \$2,061   | \$10,880    | \$12,940   |  |
| 33             | 1,700             | 1,200              | 2,900             | 1,200              | 0.78               | 0.23                | \$6,122   | \$7,360     | \$13,481   |  |
| 34             | 7,700             | 1,200              | 8,900             | 1,200              | 1.91               | 0.23                | \$12,971  | \$7,360     | \$20,330   |  |
| 35             | 700               | 700                |                   | 700                |                    | 0.13                | \$788     | \$4,160     | \$4,948    |  |
| Subtotals      |                   |                    |                   |                    | 41.46 (1)          | 11.03 (2)           |           |             |            |  |
| Totals         |                   |                    |                   |                    |                    |                     | \$318,142 | \$352,949   | \$671,091  |  |

- 1 For these 9 segments only cost is right-of-way. (Unit cost = \$6,061.)
- 11 For these 9 segments entire length requires imp. and ROW acquisition. (Unit cost = \$38,060.)
- 2 For these 17 segments entire length requires ROW acquisition and portion requires imp. (Unit cost = \$38,060.)
- \* ROW unit cost = \$6,061 per mile, (from page C-11). *10/12*
- \*\* Improvement unit cost = \$31,999 per mile, (from page C-11). *10/12*
- (1) (41.46 mi. + 11.03 mi.) (\$6,061) = \$318,142.
- (2) (11.03 mi.) (\$31,999) = \$352,949.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cost Category            |                          |                    |                       |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------|-----------------------|-----------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Environmental Permitting | Environmental Mitigation | Debris Removal     | Clearing and Grubbing | Earthwork for Open Channels |
| Unit Cost (per acre)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$129                    | \$1,249                  | \$19               | \$352                 | N/A                         |
| Unit Cost (per mile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$15,598                 | \$151,419                | \$2,294            | \$42,710              | \$146,381                   |
| Annual Cost (6.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                          |                    | \$164,711             | \$651,785                   |
| Annual Cost (3.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                          |                    | \$134,652             | \$577,629                   |
| <b>Total Cost Category</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>\$558,404</b>         | <b>\$5,420,808</b>       | <b>\$82,141</b>    | <b>\$1,529,017</b>    | <b>\$3,937,662</b>          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cost Category            |                          |                    |                       |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Engineering Design       | Contract Administration  | Surveying          | Access Roads          | Management Policy Study     |
| Unit Cost (per acre)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$120                    | N/A                      | N/A                | N/A                   | N/A                         |
| Unit Cost (per mile)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$14,599                 | \$14,921                 | \$36,626           | \$12,785 (road mile)  | \$16,760                    |
| Annual Cost (6.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$58,692                 | \$57,543                 |                    |                       |                             |
| Annual Cost (3.7%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$48,504                 | \$47,042                 |                    |                       |                             |
| <b>Total Cost Category</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>\$522,656</b>         | <b>\$534,173</b>         | <b>\$1,311,225</b> | <b>\$671,091</b>      | <b>\$600,000</b>            |
| <p>For Earthwork for Open Channels, unit costs are based on 26.9 miles and 3261 acres.</p> <p>For Access Roads, unit costs are based on 52.49 miles of roads either purchased for right-of-way, to be improved, or both, (see page C-12).</p> <p>For the Management Study, the unit costs are based on 35.8 miles and 4340 acres, even though the study has a total length of 94.5 miles. The other seven cost categories are also based of 35.8 miles and 4340 acres.</p> <p>Annual Cost are determined using the "Capital Recovery Factor" (CAF) using 6.7% as an average inflation rate from FY 1979/80 to FY 1993/94 and also for 3.7%, the current (assumed) inflation rate.</p> <p>The CAF is <math>\frac{i(1+i)^n}{((1+i)^n - 1)}</math>, where i is the inflation rate and n is the number of annual costs, which is 15.</p> <p>For Earthwork for Open Channels, n = 8 years, FY 1986/87 to FY 1993/94.</p> <p>For example, the total current dollar, environmental permitting cost of \$558,404 is equivalent to 15 annual expenditures of \$49,176, made from 1980 to 1994, at the average annual inflation rate of 3.7%.</p> <p>Costs in 4 categories have not been incurred over the life of the project and therefore are not reported.</p> |                          |                          |                    |                       |                             |

APPENDIX D

SALT-GILA RIVER 1000-FOOT CORRIDOR ACCESS ROADS



SEE PAGE D-2

Access Roads Over Portions Of:

Sections 2, 3, 4, 9, 10, 11, 15, 16, 20, 21, & 22 T2S, R5W

Gila & Salt River Base & Meridian, Maricopa County, Arizona

LEGEND

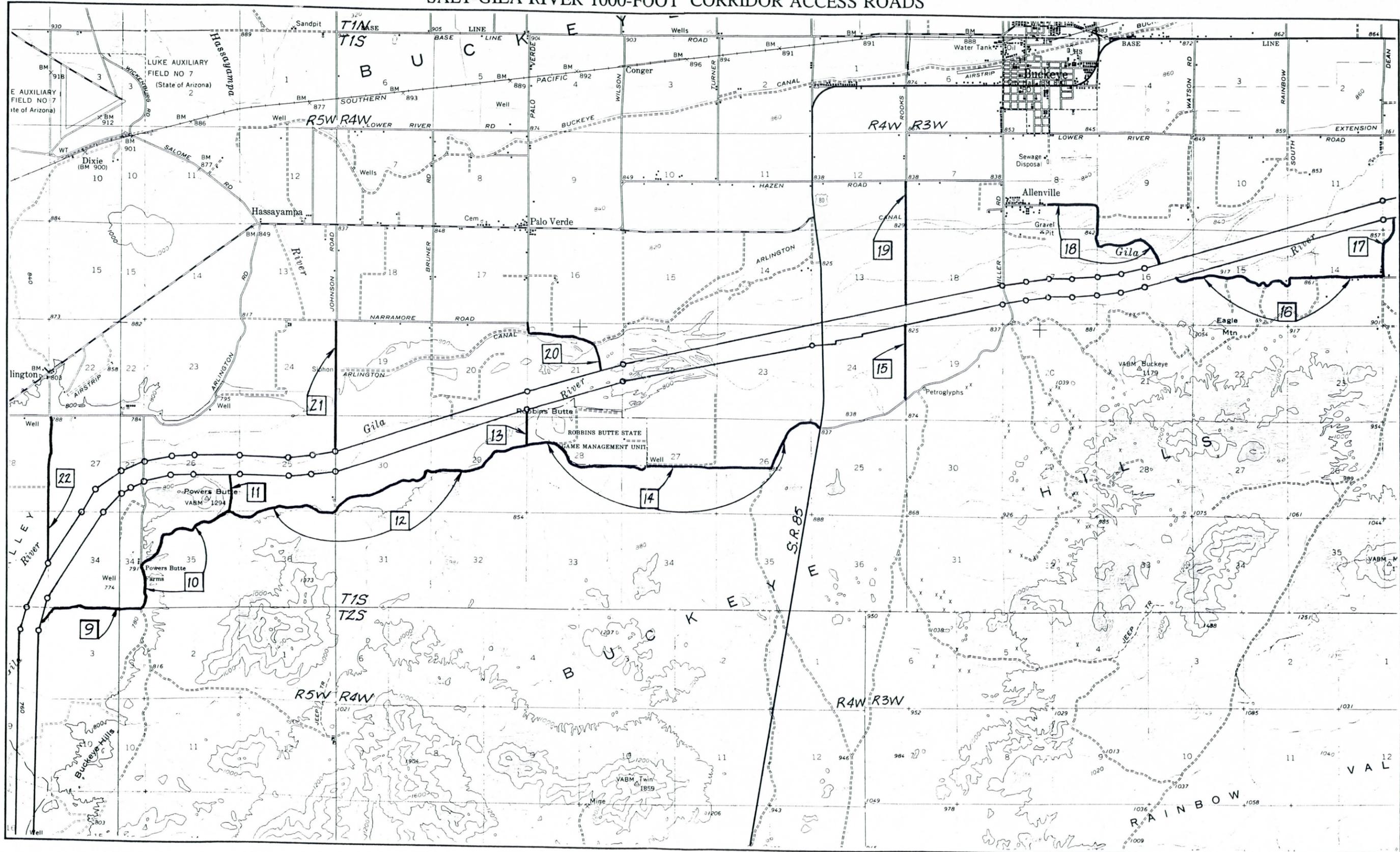
- Road Segment No.
- Road Segment
- 1000-Foot Cor. Boundary



Map Basis: 7.5 min. Series (Topographic)  
 U.S. Geological Survey Quadrangles (Arlington,  
 Hassayampa, Spring Mtn., & Cotton Center NW)

Scale 1:24000  
 (1 in. = 2000 ft.)

# SALT-GILA RIVER 1000-FOOT CORRIDOR ACCESS ROADS



Access Roads Over Portions Of: Sections 3 & 4  
 Sections 24, 25, 26, 27, 28, 33, 34, 35, & 36  
 Sections 12, 13, 19, 20, 21, & 24 through 30  
 Sections 8, 9, & 12 through 19  
 Gila & Salt River Base & Meridian, Maricopa County, Arizona

T2S, R5W  
 T1S, R5W  
 T1S, R4W  
 T1S, R3W



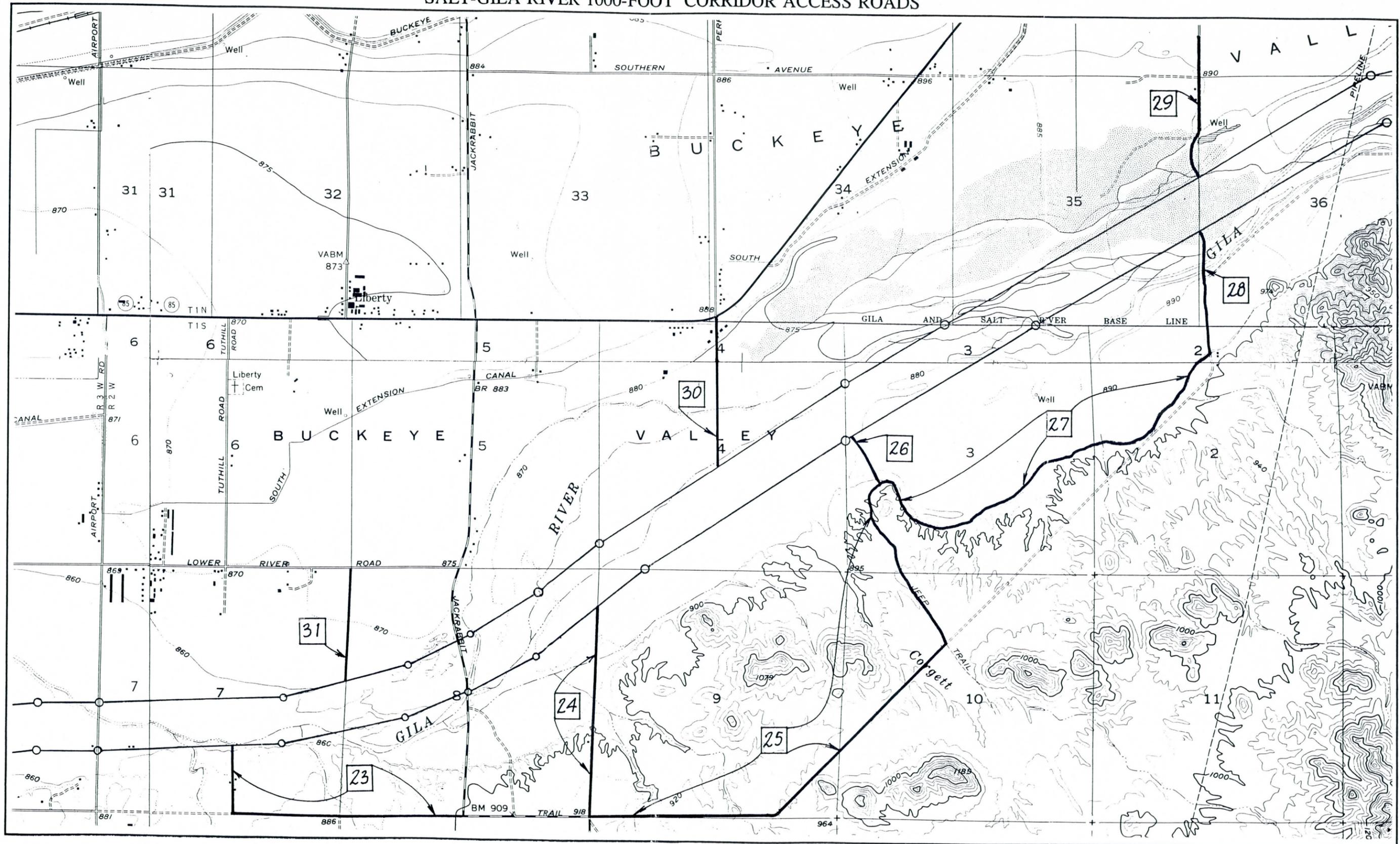
## LEGEND

- Road Segment No.
- Road Segment
- 1000-Foot Cor. Boundary

Map Basis: 15 min. Series (Topographic)  
 U.S. Geological Survey Quadrangles  
 (Arlington & Buckeye)

Scale 1:62500  
 (1 in. = 1 mi.)

# SALT-GILA RIVER 1000-FOOT CORRIDOR ACCESS ROADS



Access Roads Over Portions Of:

Sections 2, 3, 4, & 7 through 10  
 Sections 25, 26, 35, & 36

Gila & Salt River Base & Meridian, Maricopa County, Arizona

T1S, R2W  
 T1N, R2W



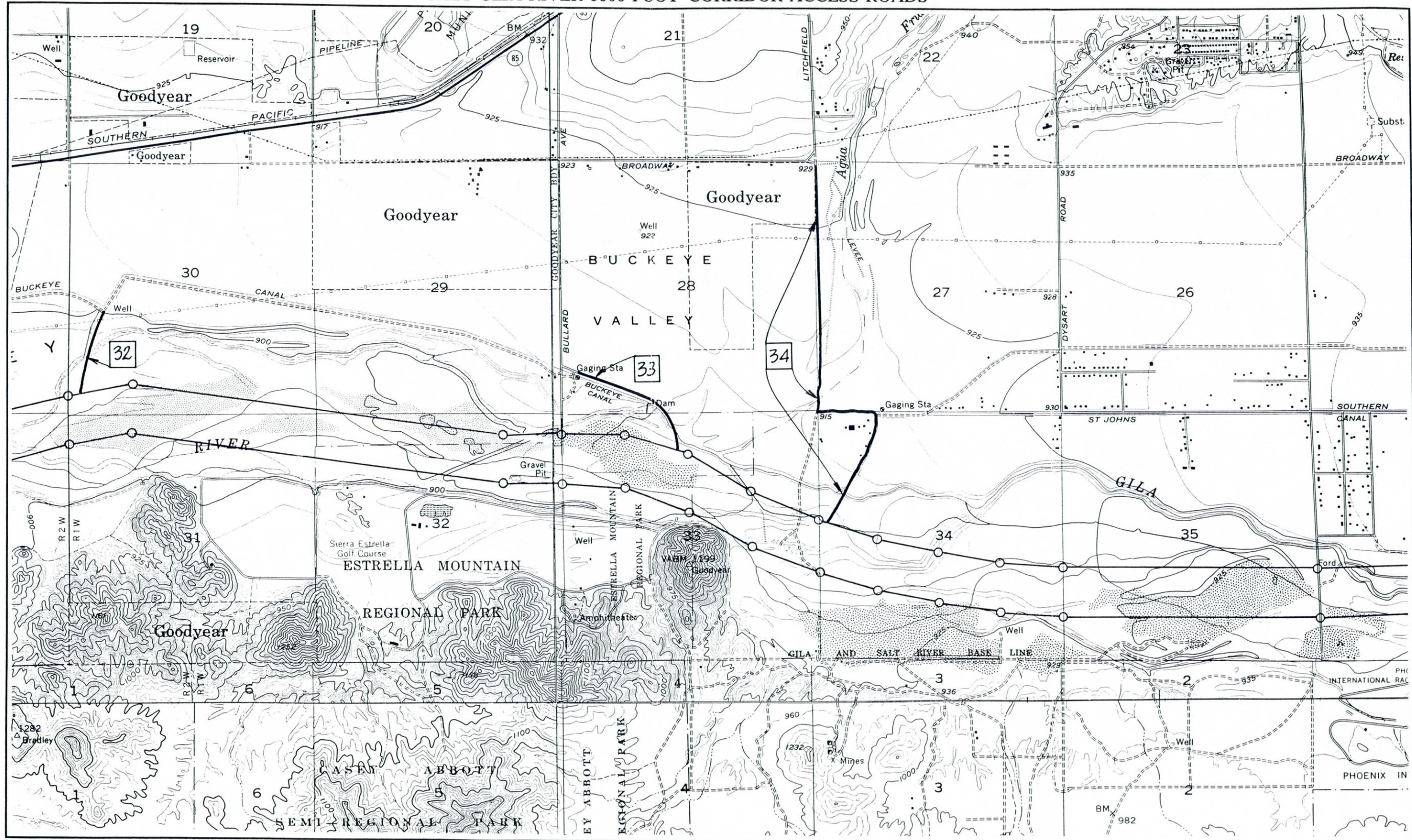
## LEGEND

- Road Segment No.
- Road Segment
- 1000-Foot Cor. Boundary

Map Basis: 7.5 min. Series (Topographic)  
 U.S. Geological Survey Quadrangles (*Valencia, Perryville, Buckeye, & Avondale SW*)

Scale 1:24000  
 (1 in. = 2000 ft.)

# SALT-GILA RIVER 1000-FOOT CORRIDOR ACCESS ROADS



Access Roads Over Portions Of:

Sections 27, 28, 30, 33, & 34 T1N, R1W

Gila & Salt River Base & Meridian, Maricopa County, Arizona



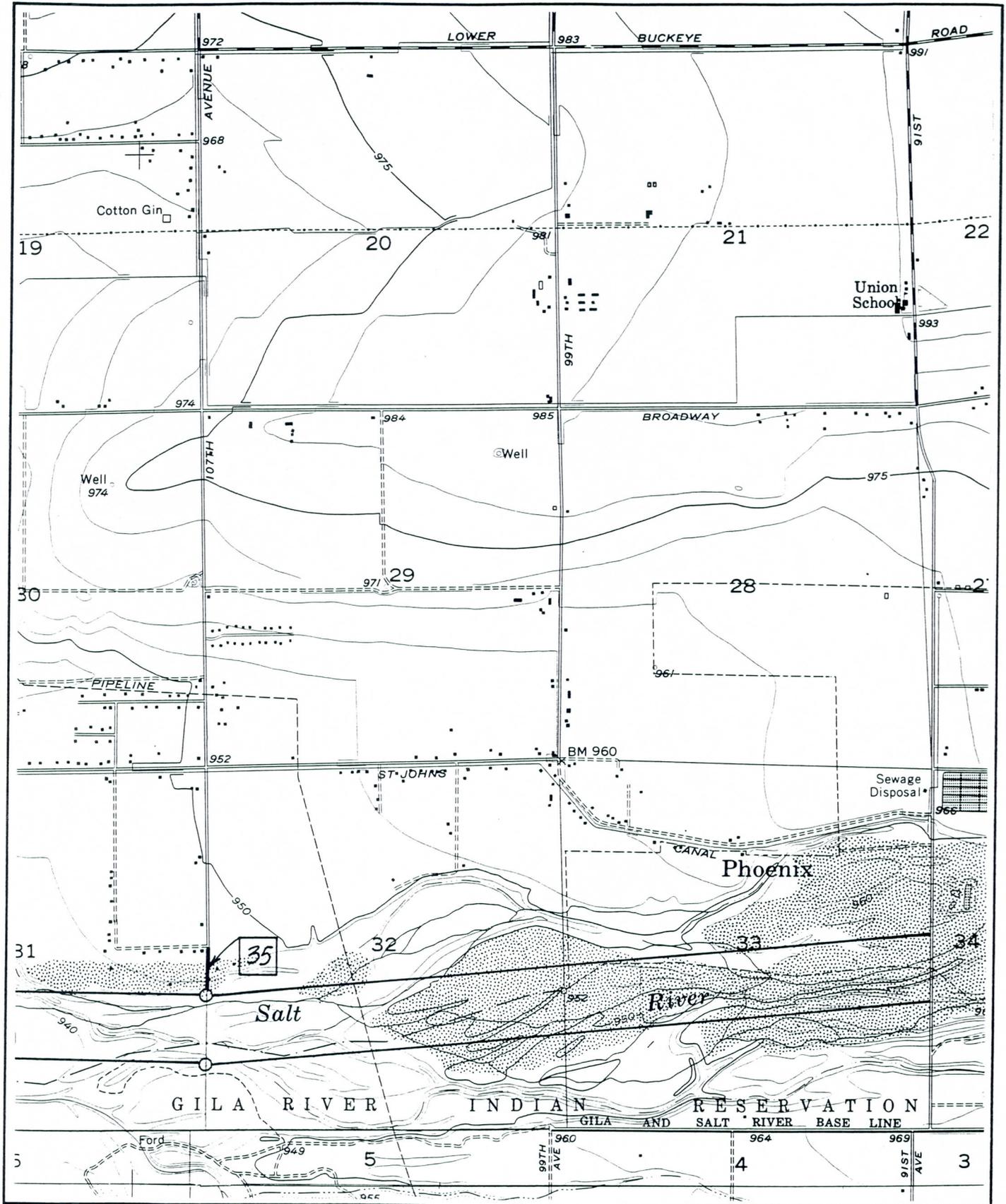
## LEGEND

- Road Segment No.
- Road Segment
- 1000-Foot Cor. Boundary

Map Basis: 7.5 min. Series (Topographic)  
 U.S. Geological Survey Quadrangles (Perryville,  
 Tolleson, Avondale SW, & Avondale SE)

Scale 1:24000  
 (1 in. = 2000 ft.)

# SALT-GILA 1000-FOOT CORRIDOR ACCESS ROADS



## LEGEND

- Road Segment No.
- Road Segment
- 1000-Foot Cor. Boundary

Access Road Over A Portion Of Sections 31 & 32 TIN, R1E  
 Map Basis: 7.5 min. Series (Topographic)  
 U.S. Geological Survey Quadrangles  
 (Tolleson & Avondale SE)

Scale 1:24000  
 (1 in. = 2000 ft.)

