

RIVERSIDE COUNTY  
CALIFORNIA

RECHE CANYON  
AREA  
DRAINAGE PLAN

MARCH 1984

RIVERSIDE COUNTY  
RIVERSIDE, CALIFORNIA

RECHE CANYON  
AREA DRAINAGE PLAN

Adopted May 15, 1984

Prepared and Adopted Pursuant to  
Government Code Section 66483, et seq.

and

Section 10.15, Riverside County Ordinance No. 460

## GENERAL STATEMENT

The Reche Canyon drainage area consists exclusively of an unincorporated portion of Riverside County. The watershed boundary is roughly the Riverside County line to the north, the rugged hills which surround the Canyon to the east and west and the northern boundaries of the Sunnymead and Moreno Area Drainage Plans to the south. The watershed lies within the Fifth Supervisorial District.

This Area Drainage Plan for controlling flood and drainage problems in the Reche Canyon watershed, prepared by the Riverside County Flood Control and Water Conservation District, concludes that certain flood and drainage facilities are critically needed to provide all weather access throughout Reche Canyon and to enable an orderly development of the area. The Plan proposes the construction of the facilities, shown on the attached maps, as a solution to the flooding and drainage problems in the watershed. The document entitled "Master Drainage Plan for the Reche Canyon Area", dated March 1984, approved by the Riverside County Flood Control and Water Conservation District's Board of Supervisors on May 8, 1984 by Resolution No. F84-18, including all maps and exhibits attached thereto, is adopted in its entirety, as part of this Reche Canyon Area Drainage Plan.

## RECHE CANYON AREA DRAINAGE PLAN

The Reche Canyon Area Drainage Plan consists primarily of open channel systems and levees adjacent to Reche Canyon Road. Also included are a series of wing dikes and an underground storm drain. It should be noted that the construction of some nine culvert crossings and three roadway realignments proposed by the master plan will be funded by the County Road Department, and, therefore, are not included as part of the cost for this area drainage plan. Presently the only flood control improvements in the Canyon are a few minor roadway culverts constructed by the County Road Department or by residents. During periods of runoff, flood waters heavily laden with silt and other debris impact the Canyon community, causing property damage and oftentimes leaving Reche Canyon Road impassable and the residents cut off from essential services.

The Reche Canyon Area Drainage Plan presented herein provides an economical method of containing and conveying storm runoff through the study area. When completed, the proposed facilities will provide the area with a high level of flood protection.

Supporting data of all proposed facilities is available at the Riverside County Flood Control and Water Conservation District's office.

## DRAINAGE FEES

The estimated total cost of constructing the drainage facilities required by the Reche Canyon Area Drainage Plan is \$4,443,000. The required drainage fee, as a condition of approval of the filing of a final subdivision map or parcel map, and the time and method of payment are as follows:

a. Drainage Fee

The current drainage fee for the entire Drainage Plan is \$4,987.00 per acre.

b. Time of Payment, Notice to Owners and Fee Calculations

The Board has adopted Rules and Regulations for Administration of Area Drainage Plans which set forth numerous administrative policies for implementing this and other Area Drainage Plans within the County.

Section IX of that document sets forth administrative provisions established by the Board to permit alternative times of payment of the drainage fees, define the required notices to owners, and to set forth the computation methods of calculating drainage fees for each lot. Provisions adopted in that document and its amendments are hereby made a part of this Area Drainage Plan.

## FINDINGS

The Board of Supervisors finds and determines that:

- (1) The subdivision and development of land within the Reche Canyon Area Drainage Plan requires the construction of the facilities described in the Plan.
- (2) The required drainage fee is fairly apportioned within the described drainage area, both on the basis of benefits conferred on properties that are proposed for subdivision and on the need for drainage facilities that is created by the proposed subdivision and development of all properties within the drainage area.

TABLE I  
RECHE CANYON AREA DRAINAGE PLAN  
COST SUMMARY

FACILITY	MASTER PLAN COST	NON-ADP COST	AREA PLAN COST
Reche Cyn. Improvement			
Reach 1	\$1,280,000	\$ 21,000	\$1,259,000
2	1,205,000	-0-	1,205,000
3	301,000	131,000	170,000
4	878,000	21,000	857,000
Line A	357,000	-0-	357,000
B	101,000	-0-	101,000
C	277,000	-0-	277,000
Culvert 1	29,000	29,000	-0-
2	100,000	50,000	50,000
3	8,000	8,000	-0-
4	8,000	8,000	-0-
5	351,000	184,000	167,000
6	8,000	8,000	-0-
7	8,000	8,000	-0-
8	8,000	8,000	-0-
9	8,000	8,000	-0-
<b>TOTAL</b>	<b>\$4,927,000</b>	<b>\$484,000</b>	<b>\$4,443,000</b>

AMENDMENT NO. 2

TO

RECHE CANYON AREA DRAINAGE PLAN

Adopted April 6, 1993

Resolution No. 93-101

Updating Requirement - This amendment is prepared in accordance with Riverside County Board of Supervisors Resolution No. 84-108, "Adopting Reche Canyon Area Drainage Plan" which states in part:

"that the Riverside County Flood Control and Water Conservation District is directed to prepare an update of this plan at least every two years to reflect changed conditions, inflationary or deflationary trends, revised general or specific plans, and approved development and drainage plans which will require changes in facility configuration, cost estimates and drainage fees."

New Facilities - Since the last amendment a portion of Reche Canyon Reach 4 has been constructed.

Facility Changes - No new changes have been made to the plan since Amendment No. 1 was adopted in June of 1986.

Recommendations - It is the opinion of the Riverside County Flood Control and Water Conservation District that there have been no new significant problems or changes which would require any revisions to the construction program of the Reche Canyon Area Drainage Plan, Amendment No. 1 adopted June 3, 1986.

The District does recommend, however, that the Board revise the drainage fee from \$5,361 per acre to \$7,354 per acre to reflect the inflationary trends of construction costs since the plan was adopted. The increase is based upon new costing quantities using 1992 unit prices. Right of way cost increases are based upon the recommendations of the County's Real Property Management Division.

AMENDMENT NO. 2  
 RECHE CANYON AREA DRAINAGE PLAN  
 COST SUMMARY

Line	Construction* Cost	Right of Way	Total
Reach 1	1,630,663	260,000	1,890,663
Reach 2	1,605,610	240,000	1,845,610
Reach 3	191,155	84,000	275,155
Reach 4	988,533	111,550	1,100,083
Line A	500,008	8,000	508,008
Line B	140,145	36,000	176,145
Line C	351,539	72,000	423,539
Culvert 2	57,378	24,000	81,378
Culvert 5	<u>223,600</u>	<u>21,200</u>	<u>244,800</u>
Total ADP Costs	5,688,631	856,750	6,545,381

\* Includes 31% for administration, engineering, and contingencies

**RECHE CANYON  
AREA DRAINAGE PLAN  
AMENDMENT NO. 2  
REVISED DRAINAGE FEE**

	<u><b>Per Acre Fee</b></u>
<b>Entire Drainage Plan Area</b>	<b>\$7,354</b>