

RIVERSIDE COUNTY
Riverside, California

EASTVALE
AREA DRAINAGE PLAN

Amendment No. 2

Adopted April 2002

By the Riverside County Board of Supervisors

Prepared and Adopted Pursuant to
Government Code Section 66483, et seq.
and
Section 10.25, Riverside County Ordinance No. 460

GENERAL STATEMENT

This plan addresses an 8.0 square mile drainage area bounded by the Interstate 15 Freeway on the east, Santa Ana River on the south, Cucamonga Creek and the county line on the west, and Mission Boulevard and the county line on the north. The area covered by this plan is completely within the Second Supervisorial District of the Riverside County. It encompasses unincorporated lands of the County of Riverside.

This revised Area Drainage Plan for controlling flood and drainage problems in the Eastvale area, and prepared by the Riverside County Flood Control and Water Conservation District, concludes that certain flood control and drainage facilities are critically needed for an orderly and economical development of the area. The plan proposes the construction of the facilities shown on the map contained herein as a solution to existing and anticipated flooding and drainage problems in the watershed. The facilities identified in the document entitled "Eastvale Master Drainage Plan, Revision No. 2", approved April 2002, as approved by the Riverside County Flood Control and Water Conservation District's Board of Supervisors, including all maps and exhibits attached thereto, are adopted in their entirety as part of this plan.

This revised plan was created to address the increased need for drainage planning as the area develops rapidly. The original Eastvale Area Drainage Plan adopted in 1991 provided for several "backbone" facilities. This amendment provides a revised system of drains and detention basins more reflective of current development trends in the Eastvale area. In addition, the original drainage boundary has been revised to more accurately reflect benefits derived from the current drainage system. This plan also reflects cost savings realized through inter-agency and developer agreements.

UPDATING REQUIREMENT

This amendment is prepared in accordance with Riverside County Board of Supervisors resolution No. 91-194 "Adopting Eastvale Area Drainage Plan", which states in part:

"that the Riverside County Flood 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."

EASTVALE AREA DRAINAGE PLAN, AMENDMENT NO. 2

The Eastvale Area Drainage Plan, Amendment No. 2 consists of a system of underground storm drains, open channels and detention basins. The attached map shows the proposed alignment and size of the various facilities proposed for the Eastvale area.

The Eastvale Area Drainage Plan, Amendment No. 2 presented herein provides an economical

means of conveying storm runoff through the studied area. When completed, the proposed facilities will provide the Eastvale area with a flood control system that will provide improved drainage and protection from the 100-year frequency storm.

Supporting data for all proposed facilities is available at the Riverside County Flood Control and Water Conservation District office. It should be noted that despite the expanded scope of facilities in this amendment, the proposed plan is still a "backbone" system and local drainage will need to be addressed as deemed necessary as development takes place.

REVISIONS

NEW FACILITIES/FACILITY CHANGES

The Area Drainage Plan has been amended to reflect current development trends in the western portion of the Eastvale area. Cost sharing agreements between the District and other entities/developers have also been factored into the plan.

The Eastvale Area Drainage Plan relies on the construction of Project No. 2-13 (County Line Channel) of the Master Drainage Plan for the New Model Colony adopted by the City of Ontario. This facility is designed to intercept and convey runoff from San Bernardino County to Cucamonga Creek and is of importance to both Riverside and San Bernardino counties as well as the City of Ontario. Consequently, the District and these three entities will enter into a formal cost sharing agreement to provide for state grant money already secured through the Southern California Integrated Watershed Program administered through SAWPA (Santa Ana Watershed Protection Agency). These cost savings have been incorporated into the amended Area Drainage Plan.

Lateral D-7 is a new addition to the plan. This storm drain will handle local drainage south of Line D to the drainage boundary.

Lateral E-4 has been removed from the plan. The construction of Line E basin and surrounding tracts have reduced the drainage area for Lateral E-4 and the short reach of storm drain is no longer necessary to convey 10-yr flows.

Other revisions include the elimination of Schleisman Basin, Line F, Line F-2 and Line B-1. The alignment and sizes of Line A, Lateral A-2 and Line B were modified to reflect future development patterns.

DRAINAGE FEES

It is the District's recommendation that the Board revise the drainage fee from \$7,714 per acre to \$7777 per acre to reflect the changes in plan scope as well as the latest construction and right of way cost estimates. Construction costs are 2002 unit prices developed by staff using the latest information from public works projects administered by the District. Right of way

cost estimates are based upon the recommendations of the County's Real Property Management Division.

The estimated total cost of constructing the drainage facilities required by the Eastvale Revised Area Drainage Plan is \$38,105,000. The cost summary for each facility is shown in Table 1 at the end of this report. Costs reflected in this report vary slightly from the Eastvale Master Drainage Plan due to the exclusion of facilities below 36" in diameter and the inclusion of various cost sharing agreements.

As a condition of approval for the filing of a final Subdivision Map or Parcel Map, the required drainage fee and the time and method of payment are as follows:

1. **Drainage Fee**

The current drainage fee for the entire drainage plan is \$7777 per acre. For subdivisions of lots greater than one acre in size, the fee shall be applied on a "per lot" basis, except for commercial, industrial and manufacturing lots.

2. **Time of Payment, Notice to Owners and Fee Calculations**

The Riverside County Board of Supervisors has adopted the "Rules and Regulations for Administration of Area Drainage Plans", dated February 16, 1988, and as amended, formally setting forth numerous administrative policies for implementing this and other Area Drainage Plans within Riverside County. Among other provisions, the document defines the notification requirements to owners and sets forth the computation methods for calculating the drainage fee applied to each lot.

FINDINGS

The Board of Supervisors finds and determines that:

1. The purpose of the drainage fee is to provide a fund for flood control facilities identified within the Eastvale Area Drainage Plan.
2. The drainage fee will be used to finance the design and construction of those flood control facilities which are part of Eastvale Area Drainage Plan.
3. The subdivision and development of land within the Eastvale Area Drainage Plan requires the construction of the facilities described in the plan.
4. The required drainage fee is fairly apportioned within the described 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 1
EASTVALE AREA DRAINAGE PLAN
COST SUMMARY

<u>FACILITY</u>	<u>CONSTRUCTION*</u>	<u>RIGHT OF WAY</u>	<u>TOTAL COST</u>
Line A	\$ 3,128,000		\$3,128,000
A-1	436,000		436,000
Lateral A-2	860,000		860,000
Line B	2,128,000		2,128,000
B-2	1,635,000		1,635,000
Lateral B-3	214,000		214,000
Line C	2,433,000		2,433,000
Lateral C-2	128,000		128,000
Line D	3,647,000		3,647,000
Lateral D-1	252,000		252,000
Line D-2	229,000		229,000
D-3	2,335,000		2,335,000
Lateral D-4	310,000		310,000
D-5	385,000		385,000
D-6	236,000		236,000
D-7	510,000		679,000
Line E**	4,958,000	100,000	5,058,000
E-1	2,305,000		2,305,000
E-2	2,067,000		2,067,000
E-3	568,500	43,500	612,000
Line F-1	845,000		845,000
F-3	264,000		264,000
County Line Channel**	2,650,000	700,000	3,350,000
Cleveland Avenue Basin	970,000	1,488,000	2,458,000
Line E Basin	912,000	1,256,000	2,168,000
Chandler Ch. Crossings	112,000		112,000
TOTAL	\$34,517,500	\$3,587,500	\$38,105,000

* Includes 31% for Engineering, Administration and Contingencies.

** Reflects cost sharing agreements

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REVISED DRAINAGE FEE

	<u>Per Acre Fee</u>
Entire Drainage Plan Area	\$7,777