

RIVERSIDE COUNTY
CALIFORNIA

**MURRIETA CREEK
AREA
DRAINAGE PLAN**

ADOPTED: MAR. 1986

RIVERSIDE COUNTY
RIVERSIDE, CALIFORNIA

MURRIETA CREEK
AREA DRAINAGE PLAN

Adopted May 6, 1986

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

The Murrieta Creek watershed addressed by this plan is the 220 square mile drainage area that contributes flow to Murrieta Creek. The area is generally bounded by the Domenigoni Valley, Sage Road, the Pauba Valley, and the Santa Rosa Mountains. Lake Skinner is located almost in the middle of the drainage area. Approximately one third of the watershed lies within the First Supervisorial District, with the balance being contained within the Third Supervisorial District.

This Area Drainage Plan for controlling flood and drainage problems in the Murrieta Creek Area, prepared by the Riverside County Flood Control and Water Conservation District, concludes that certain flood 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 maps contained herein as a solution to the flooding and drainage problems in the watershed. The documents entitled, "Master Drainage Plan for the Murrieta Creek Area", dated March 1986, and "Master Drainage Plan for the Wildomar Area", dated August 1980, 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 Murrieta Creek Area Drainage Plan.

MURRIETA CREEK AREA DRAINAGE PLAN

The Murrieta Creek Area Drainage Plan consists of the improvement of Murrieta Creek, as well as the construction of numerous side drains. Additionally, the improvement of Tualota Creek at Route 3 in the Sage area, and the improvement of Warm Springs Creek at Highway 79 in the Domenigoni Valley are proposed. The facilities proposed by the plan range in size from a 225' wide, 14' deep Murrieta Creek Channel designed to control more than 38,000 cfs, to a 36" reinforced concrete pipe designed to convey 50 cfs. Only facilities 36" or larger in diameter, as shown on the enclosed maps, are included as part of this Area Drainage Plan. Drains smaller than 36" are to be considered as a part of land development activities and will be required as deemed necessary.

The Murrieta Creek improvement is proposed over the 11 plus miles of natural watercourse and interim channel improvements, beginning at about McVicar Road in the Wildomar area and extending southerly, past the town of Temecula, to the Santa Margarita River. While side drains are proposed at needed locations along the entire length of the creek, the greatest preponderance of smaller facilities are found in the Wildomar area and in and around the townsite of Murrieta. Additionally, two sub-watershed areas that are large flow contributors to the lower portion of Murrieta Creek do so through two proposed major side channels, Warm Springs Channel and Santa Gertrudis Channel.

The drainage problems and the proposed solutions to those problems vary widely within the watershed. Therefore, in an effort to fairly apportion the drainage fee, the overall drainage area has been divided into five sub-watersheds. Each of the five sub-watersheds has a fee associated with it that is more representative of its flow contribution and benefits realized. The

five sub-watersheds, shown on the map in the back of this report, are: 1) The Wildomar Valley, 2) The Murrieta Valley, 3) The Temecula Valley, 4) The Santa Gertrudis Valley, and 5) The Warm Springs Valley.

MERGER OF WILDOMAR AND MURRIETA PLANS

The Wildomar Area Drainage Plan, adopted in December 1980, was instituted when it was determined that development in the Wildomar area was rapidly increasing and that the area had been experiencing severe flooding. The fee boundary was based almost entirely on the drainage area contributing to the flood problems. However, flows emanating from the Wildomar area currently impact the entire length of Murrieta Creek. The drainage boundaries between the Wildomar and Murrieta area are not naturally distinct. Instead, the Wildomar and Murrieta areas are contiguous and together form a single watershed area draining to the south and east. For this reason, the existing Wildomar Area Drainage Plan, and the Murrieta area are combined to form the Murrieta Creek Area Drainage Plan.

DRAINAGE FEES

The estimated total cost of constructing the drainage facilities required by the Murrieta Creek Area Drainage Plan is \$51,207,000. Table I is a cost summary of the separate elements used to determine the total cost of each facility. Further, Table I shows the portion of the total cost for each facility that is allocated to each sub-watershed.

It should be noted that the proposed Murrieta Creek improvement, along with the Santa Gertrudis and Warm Springs Channels, are the only proposed improvements that are considered "major facilities" and are supported by payment of drainage fees collected within each of the sub-watersheds. However, drainage fees collected from both the Santa Gertrudis Valley and the Warm Springs Valley, besides being used for the Santa Gertrudis and Warm Springs Channels, are for the improvement of only that portion of Murrieta Creek below their confluences. On the other hand, drainage fees collected in the Wildomar Valley, Murrieta Valley and Temecula Valley sub-watersheds are intended for use over the entire length of Murrieta Creek.

All of the other proposed drains are regarded as "local facilities" and are to be funded by payment of drainage fees collected in the sub-watersheds in which they are located. (The distribution of the fees to "major" and "local" facilities is shown on Page 3.)

Therefore, the fee proposed for each sub-watershed is a two stage fee, with a percentage of the fee going toward "major facilities" and the balance toward the "local facilities" within that area.

The required drainage fee, as a condition of approval for the filing of a final subdivision map or parcel map for each sub-watershed, and the time and methods of payment are as follows:

1. Drainage Fee

The current drainage fees for the five sub-watersheds are:

Sub-Watershed	Fee	Percentage Applied Toward			
		Local Facilities	Major Facilities		
			*M.C.	*S.G.	*W.S.
Wildomar Valley	\$2,606/acre	67.766%	32.234%	0	0
Murrieta Valley	\$2,096/acre	58.734%	41.266%	0	0
Temecula Valley	\$932/acre	7.188%	92.812%	0	0
Santa Gertrudis Valley	\$638/acre	5.669%	37.709%	56.622%	0
Warm Springs Valley	\$279/acre	5.735%	63.877%	0	30.388%

*M.C. = Murrieta Creek Channel

*S.G. = Santa Gertrudis Channel

*W.S. = Warm Springs Channel

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

The Riverside County Board of Supervisors has adopted "Rules and Regulations for Administration of Area Drainage Plans", a document which sets 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 fee, defines the required notices to owners, and sets forth the computation methods of calculating the drainage fee 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 Murrieta Creek Area Drainage Plan requires the construction of the facilities described in the Plan.

2. The required drainage fee is fairly apportioned within the described sub-watersheds, 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
MURRIETA CREEK AREA DRAINAGE PLAN
COST SUMMARY

Facility	Wildomar Valley Total Cost	Murrieta Valley Total Cost	Temecula Valley Total Cost	Santa Gertrudis Valley Total Cost	Warm Springs Valley Total Cost	Area Drainage Plan Total Cost
M,W Murrieta Creek Channel	\$2,413,000	\$9,759,000	\$3,938,000	\$3,878,000	\$3,542,000	\$23,530,000
M Santa Gertrudis Channel				5,823,000		5,823,000
M Warm Springs Channel					1,685,000	1,685,000
M Line A			118,000			118,000
M Line C			112,000			112,000
M Line C-1			75,000			75,000
M Line D		1,683,000				1,683,000
M Line D-1		258,000				258,000
M Line E		1,944,000				1,944,000
M Line E-1		184,000				184,000
M Line E-2		400,000				400,000
M Line E-3		86,000				86,000
M Line E-4		215,000				215,000
M Line E-5		59,000				59,000
M Line F		2,695,000				2,695,000
M Line F-1		1,020,000				1,020,000
M Line F-2		83,000				83,000
M Line F-3		540,000				540,000
M Line G		901,000				901,000
M Line H		371,000				371,000
M Line J		1,270,000				1,270,000
M Line K		471,000				471,000
M Line L		593,000				593,000
M Line L-1		50,000				50,000
M Line M		144,000				144,000
M Line M-1		77,000				77,000
M Line N		425,000				425,000
M Line P		421,000				421,000
M Hwy 79 Crossing					318,000	318,000
M R3 Crossing				583,000		583,000
W Wildomar Channel	1,863,000					1,863,000
W Lateral A	599,000					599,000
W Lateral B	433,000					433,000
W Lateral B-1	234,000					234,000
W Lateral C	936,000					936,000
W Lateral C-1	79,000					79,000
W Line D	16,000					16,000
W Lateral E	303,000					303,000
W Lateral E-1	21,000					21,000
W Wildomar Channel Debris Basin	202,000					202,000
W Lateral A Debris Basin	387,000					387,000
TOTAL	\$7,486,000	\$23,649,000	\$4,243,000	\$10,284,000	\$5,545,000	\$51,207,000

NOTE: Costs shown above include Construction (w/31% engineering, contingencies and administration) and Right of Way costs. The letter preceding each line designation (M or W) refers to the appropriate Master Drainage Plan (Murrieta or Wildomar) where the preliminary design plans can be found.

AMENDMENT NO. 2

TO

MURRIETA CREEK AREA DRAINAGE PLAN

Adopted April 6, 1993

Resolution No. 93-100

Updating Requirement - This amendment is prepared in accordance with Riverside County Board of Supervisors Resolution No. 86-29 "Adopting Murrieta Creek 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."

Facility Changes - No changes have been made on the facilities since the adoption of Amendment No. 1 in January 1990.

New Facilities - Murrieta Line F-3, Santa Gertrudis Channel, Wildomar Lateral A are all 100% complete. Warm Springs Channel, Murrieta Line F-1, Wildomar Channel and Wildomar Lateral C are all partially constructed.

Future Facilities - Lines F, D and E are presently being designed.

Recommendations - It is the District's recommendation that the Board revise the drainage fees for the five subwatersheds to reflect inflationary trends in construction and right of way cost. The increase in construction cost is based upon new costing quantities using 1992 unit prices. Right of way cost are based upon the recommendations of the County's Real Property Management Division.

AMENDMENT 2

TABLE I

MURRIETA CREEK AREA DRAINAGE PLAN

COST SUMMARY

<u>Facility</u>	<u>Wildomar Valley Total Cost</u>	<u>Murrieta Valley Total Cost</u>	<u>Temecula Valley Total Cost</u>	<u>Santa Gertrudis Valley Total Cost</u>	<u>Warm Springs Valley Total Cost</u>	<u>Area Drainage Plan Total Cost</u>
M,W Murrieta Creek Channel	6,412,213	26,387,069	10,003,869	11,065,186	10,869,639	64,737,976
M Santa Gert. Ch				7,132,924		7,132,924
M Warm Springs Ch.					2,164,081	2,164,081
M Line A			169,902			169,902
M Line C			152,473			152,473
M Line C-1			104,513			104,513
M Line D		2,975,792				2,975,792
M Line D-1		403,635				403,635
M Line E		2,587,109				2,587,109
M Line E-1		283,451				283,451
M Line E-2		536,366				536,366
M Line E-3		114,376				114,376
M Line E-4		288,803				288,803
M Line E-5		84,884				84,884
M Line F		4,134,481				4,134,481
M Line F-1		1,720,108				1,720,108
M Line F-2		110,171				110,171
M Line F-3		591,012				591,012
M Line G		1,412,416				1,412,416
M Line H		486,549				486,549
M Line J		1,611,457				1,611,457
M Line K		675,847				675,847
M Line L		759,655				759,655
M Line L-1		60,787				60,787
M Line M		176,591				176,591
M Line M-1		94,869				94,869
M Line N		610,736				610,736
M Line P		583,306				583,306
M Hwy 79 Crossing					408,538	408,538
MR3 Crossing				793,407		793,407
W Wildomar Ch.	2,291,877					2,291,877
W Lateral A	668,804					668,804
W Lateral B	604,644					604,644
W Lateral B-1	312,225					312,225
W Lateral C	2,237,497					2,237,497
W Lateral C-1	303,424					303,424
W Line D	17,688					17,688
W Lateral E	600,122					600,122
W Lateral E-1	27,221					27,221
W Wildomar Ch. Debris Basin	255,229					255,229
W Lateral A Debris Basin	495,152					495,152
Subarea Totals	\$14,226,096	\$46,689,471	\$10,430,757	\$18,991,517	\$13,442,258	
				Grand Total		\$103,780,099

AMENDMENT NO. 2

MURRIETA CREEK

AREA DRAINAGE PLAN

REVISED DRAINAGE FEES

The current drainage fees for the five sub-watersheds are:

Sub-Watershed	Fee	Percentage Applied Toward			
		Local Facilities	Major Facilities		
			*M.C.	*S.G.	*W.S.
Wildomar Valley	\$4952/acre	54.93%	45.07%	0	0
Murrieta Valley	\$4139/acre	43.48%	56.52%	0	0
Temecula Valley	\$2291/acre	4.09%	95.91%	0	0
Santa Gertrudis Valley	\$1179/acre	4.18%	58.26%	37.56%	0
Warm Springs Valley	\$ 677/acre	3.04%	80.86%	0	16.10%

*M.C. = Murrieta Creek Channel
 *S.G. = Santa Gertrudis Channel
 *W.S. = Warm Springs Channel

ZS:mcv
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**MURRIETA CREEK
AREA DRAINAGE PLAN
AMENDMENT NO. 2
REVISED DRAINAGE FEE**

<u>Sub-Watershed</u>	<u>Per Acre Fee</u>
Wildomar Valley	\$4,952
Murrieta Valley	\$4,139
Temecula Valley	\$2,291
Santa Gertrudis Valley	\$1,179
Warm Springs Valley	\$677