

CITY OF REDLANDS

MASTER PLAN OF DRAINAGE (MPD)



TECHNICAL APPENDIX C.2

Cost Per Watershed

- **Mission Zanja**
- **Reservoir Canyon**
 - **Downtown**
 - **North City**
 - **South City**

CITY OF REDLANDS MASTER PLAN OF DRAINAGE

APPENDIX C.2 COST PER WATERSHED

SBCFCD ZONE 3 - COMPREHENSIVE STORM DRAIN PLAN (CSDP) NO. 4

<i>Watershed</i>	<i>Priority</i>	<i>Type</i>	<i>Size</i>	<i>Length</i>	<i>Barrels</i>	<i>Unit Cost</i>	<i>Cost</i>		
North city	2	RCP	30	303		\$225	\$68,175		
	2	RCP	36	566		\$313	\$177,158		
	2	RCP	42	1504		\$344	\$517,376		
	2	RCP	84	1135		\$613	\$695,755		
	2	RCP	96	440		\$669	\$294,480	\$1,752,944	
	3	RCP	30	486		\$225	\$109,350		
	3	RCP	36	1415		\$313	\$442,895		
	3	RCP	42	249		\$344	\$85,656	\$637,901	
	1A	RCP	30	611		\$225	\$137,475		
	1A	RCP	36	1002		\$313	\$313,626		
	1A	RCP	42	3665		\$344	\$1,260,588		
	1A	RCP	54	2665		\$375	\$999,533		
	1A	RCP	66	1001		\$494	\$494,494		
	1A	RCP	72	1989		\$531	\$1,056,148		
	1A	RCP	84	1238		\$613	\$758,710		
	1A	RCB	RCB	117	1	\$1,000	\$117,080	\$5,137,654	
	1B	RCP	30	427		\$225	\$96,075		
	1B	RCP	42	2573		\$344	\$885,112		
	1B	RCP	48	11085		\$363	\$4,023,855		
	1B	RCP	54	6208		\$375	\$2,328,000		
	1B	RCP	60	2882		\$456	\$1,314,192		
	1B	RCP	72	5199		\$531	\$2,760,658		
	1B	RCP	84	1645		\$613	\$1,008,459		
	1B	RCP	96	1961		\$669	\$1,312,023	\$13,728,374	
							Total :		\$21,256,873
Mission Zanja	1B	RCP	54	1315		\$375	\$493,125		
	1B	RCP	84	1120		\$613	\$686,560		
	1B	RCP	90	2923		\$644	\$1,882,412		
	1B	RCB	RCB	385	2	\$1,000	\$770,000	\$3,832,097	
							Total:		\$3,832,097
Opal Basin	1A	-	Basin	1	1	\$15,000,000	\$15,000,000		
					Total:				\$15,000,000
Downtown	1A	RCP	24	396		\$206	\$81,576		
	1A	RCP	30	924		\$225	\$207,900		
	1A	RCP	36	1387		\$313	\$434,131		
	1A	RCP	72	1166		\$531	\$619,146		
	1A	RCP	78	780		\$575	\$448,500		
	1A	RCB	RCB	1520	1	\$1,000	\$1,520,000		
	1A	RCB	RCB	227	3	\$1,000	\$681,300		
	1A	RCB	RCB	2480	2	\$1,000	\$4,960,000	\$8,952,553	
							Total:		\$8,952,553
Reservoir	1B	RCP	48	1375		\$363	\$499,125		
	1B	RCP	72	7014		\$531	\$3,724,593		
	1B	RCP	78	228		\$575	\$130,928		
	1B	RCP	84	2911		\$613	\$1,784,277		
	1B	RCB	RCB	1019	1	\$1,000	\$1,019,490		
	1B	RCB	RCB	1174	1	\$1,000	\$1,174,000		
	1B	RCB	RCB	2669	1	\$1,000	\$2,669,040		
	1B	RCB	RCC	3800	1	\$1,000	\$3,799,940	\$14,801,393	
							Total:		\$14,801,393

CITY OF REDLANDS MASTER PLAN OF DRAINAGE

APPENDIX C.2 COST PER WATERSHED

SBCFCD ZONE 3 - COMPREHENSIVE STORM DRAIN PLAN (CSDP) NO. 4

<i>Watershed</i>	<i>Priority</i>	<i>Type</i>	<i>Size</i>	<i>Length</i>		<i>Unit Cost</i>	<i>Cost</i>		
South City	2	RCP	48	1577		\$363	\$572,451		
	2	RCP	54	1415		\$375	\$530,535		
	2	RCP	60	3283		\$456	\$1,497,235		
	2	RCP	66	463		\$494	\$228,727		\$2,828,948
	3	RCP	36	217		\$313	\$67,955		
	3	RCP	42	612		\$344	\$210,421		
	3	RCP	48	2748		\$363	\$997,658		
	3	RCP	54	1976		\$375	\$740,929		
	3	RCP	60	2582		\$456	\$1,177,424		
	3	RCB	RCB	1331	1	\$1,000	\$1,330,610		
	3	RCB	RCB	264	1	\$1,000	\$263,640		
	3	RCB	RCB	1269	1	\$1,000	\$1,269,200		
	3	RCB	RCC	1440	1	\$350	\$504,063		
	3	RCB	RCC	1350	1	\$350	\$472,500		
	3	RCB	RCC	1350	1	\$350	\$472,500		
	3	RCB	RCC	2428	1	\$350	\$849,790		
	3	RCB	RCC	1425	1	\$350	\$498,596		
	3	RCB	RCC	1047	2	\$350	\$733,229		
									\$9,588,515
	1A	RCP	30	334		\$225	\$75,150		
	1A	RCP	36	683		\$313	\$213,779		
	1A	RCP	48	1389		\$363	\$504,280		
	1A	RCP	60	2321		\$456	\$1,058,257		
	1A	RCP	72	5756		\$531	\$3,056,627		
	1A	RCP	84	185		\$613	\$113,638		
	1A	RCP	108	820		\$2,000	\$1,639,240		\$6,660,971
							Total:		\$19,078,434
							Grand Total		\$82,921,351