

CITY OF REDLANDS
MASTER PLAN OF DRAINAGE (MPD)



TECHNICAL APPENDIX D

Storm Drain Sytem Priority Ranking

CITY OF REDLANDS MASTER PLAN OF DRAINAGE

PROPOSED STORM DRAIN SYSTEMS - PRIORITY RANKING

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

System ID	Subarea Name	Length	Existing	Proposed	No. of Barrel	Proposed RCB		Priority Ranking
			Diameter (Inches)	Diameter (Inches)		Height (ft)	Width (ft)	
4	North City	303.00		30				2
4	North City	566.00		36				2
4	North City	1504.00		42				2
39	South City	1416.54	45	48				2
39	South City	160.46	45	48				2
39	South City	460.95	48	54				2
39	South City	259.91	51	54				2
39	South City	693.90	48	54				2
38	South City	723.73	54	60				2
38	South City	825.35	54	60				2
38B	South City	581.62	42	60				2
38B	South City	961.18	48	60				2
39	South City	191.53	36	60				2
38	South City	463.01	54	66				2
5	North City	1135.00	72	84				2
5	North City	440.18	72	96				2
8	North City	486.00		30				3
8	North City	1415.00		36				3
18A	South City	217.11	24	36				3
8	North City	249.00		42				3
18	South City	611.69	36	42				3
18	South City	639.76	36	48				3
39A	South City	999.62	36	48				3
39A	South City	1108.99	42	48				3
39A	South City	676.76	45	54				3
39A	South City	690.65	51	54				3
39A	South City	392.53	48	54				3
39A	South City	215.87	48	54				3
40	South City	422.03	48	60				3
40	South City	150.08	48	60				3
40	South City	2009.96	54	60				3
18	South City	1330.61	36		1	10	3	3
40	South City	263.64			1	5	14	3
40	South City	1269.20			1	7	10	3
41	South City	1440.18			1	3	3	3
41	South City	1350.00			1	6.5	3	3
41	South City	1350.00			1	7	3	3
41	South City	2427.97			1	7.5	3	3
41	South City	1424.56			1	14	3	3
41	South City	1047.47			2	10	3	3

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System ID	Subarea Name	Length	Existing	Proposed	No. of Barrel	Proposed RCB		Priority Ranking
			Diameter (Inches)	Diameter (Inches)		Height (ft)	Width (ft)	
22D	Downtown	396		24				1A
7A	North City	611.00		30				1A
22B	Downtown	924		30				1A
17A	South City	334.00		30				1A
7A	North City	1002.00		36				1A
22A	Downtown	591		36				1A
22E	Downtown	796		36				1A
17A	South City	683.00		36				1A
7	North City	316.50		42				1A
7A	North City	3348.00		42				1A
17A	South City	1273.20	42	48				1A
17A	South City	116.00	24	48				1A
7	North City	315.54		54				1A
7	North City	664.38		54				1A
7	North City	675.50		54				1A
7	North City	1010.00		54				1A
17A	South City	1690.00	51	60				1A
19	South City	630.74	39	60				1A
7	North City	1001.00		66				1A
7	North City	11.20	66	72				1A
7	North City	715.80	66	72				1A
7	North City	162.25	57	72				1A
7	North City	945.75	18	72				1A
7	North City	153.98	57	72				1A
21	Downtown	644		72				1A
22L	Downtown	522.00		72				1A
17A	South City	675.11	66	72				1A
17A	South City	21.53	36	72				1A
17A	South City	1801.23	66	72				1A
17A	South City	823.75	66	72				1A
19	South City	1291.54	48	72				1A
19	South City	1143.20	54	72				1A
	Downtown	780.00		78				1A
7	North City	1093.79	57	84				1A
7	North City	143.91	57	84				1A
17A	South City	185.38	66	84				1A
17A	South City	819.62	72	108				1A
7	North City	117.08			1	3	10	1A
22	Downtown	1520			1	15	9	1A
22	Downtown	227			3	10	9	1A
22K	Downtown	2480			2	12	8	1A

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

System ID	Subarea Name	Length	Existing	Proposed	No. of Barrel	Proposed RCB		Priority Ranking
			Diameter (Inches)	Diameter (Inches)		Height (ft)	Width (ft)	
5	North City	427.00		30				1B
5	North City	803.00		42				1B
10	North City	424.00		42				1B
10B	North City	1346.00		42				1B
4	North City	882.00		48				1B
5	North City	711.00		48				1B
7B	North City	2047.00		48				1B
8	North City	4060.00		48				1B
9	North City	2186.00		48				1B
10	North City	1199.00		48				1B
26	Reservoir Canyon	1375.00		48				1B
10	North City	804.00		54				1B
10B	North City	3454.00		54				1B
10B	North City	1950.00		54				1B
27	Mission Zanja	1315		54				1B
7B	North City	1313.00		60				1B
10	North City	1569.00		60				1B
7B	North City	4211.00		72				1B
9	North City	336.00	48	72				1B
10	North City	651.98	36	72				1B
25A	Reservoir Canyon	7014.30		72				1B
	Reservoir Canyon	227.70		78				1B
10	North City	626.50	36	84				1B
10	North City	1018.62	54	84				1B
27	Mission Zanja	1120		84				1B
22J	Reservoir Canyon	1868.53	51	84				1B
22J	Reservoir Canyon	1042.20	51	84				1B
27	Mission Zanja	2923		90				1B
10	North City	311.38	54	96				1B
10	North City	73.00	66	96				1B
10	North City	879.00	6	96				1B
10	North City	697.79		96				1B
27B	Mission Zanja	385			2	6	10	1B
22	Reservoir Canyon	1019.49			1	8	10	1B
22G	Reservoir Canyon	1174			1	12	5	1B
22J	Reservoir Canyon	2669.04			1	3	14	1B
22J	Reservoir Canyon	3799.94			1	4	14	1B

CITY OF REDLANDS MASTER PLAN OF DRAINAGE

APPENDIX D - COST PER PRIORITY

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

<i>Priority</i>	<i>Type</i>	<i>Size</i>	<i>Length</i>	<i>Barrels</i>	<i>Unit Cost</i>	<i>Cost</i>	
1A	RCP	24	396		\$206	\$81,576	
	RCP	30	1869		\$225	\$420,525	
	RCP	36	3072		\$313	\$961,536	
	RCP	42	3665		\$344	\$1,260,588	
	RCP	48	1389		\$363	\$504,280	
	RCP	54	2665		\$375	\$999,533	
	RCP	60	2321		\$456	\$1,058,257	
	RCP	66	1001		\$494	\$494,494	
	RCP	72	8911		\$531	\$4,731,922	
	RCP	78	780		\$575	\$448,500	
	RCP	84	1423		\$613	\$872,348	
	RCP	108	820		\$2,000	\$1,639,240	
	RCB	RCB	117	1	\$1,000	\$117,080	
	RCB	RCB	1520	1	\$1,000	\$1,520,000	
	RCB	RCB	227	3	\$1,000	\$681,300	
	RCB	RCB	2480	2	\$1,000	\$4,960,000	
	Opal Basin	Basin	1	1	\$15,000,000	\$15,000,000	
						Total :	\$35,751,178
<i>Priority</i>	<i>Type</i>	<i>Size</i>	<i>Length</i>		<i>Unit Cost</i>	<i>Cost</i>	
1B	RCP	30	427		\$225	\$96,075	
	RCP	36	0		\$313	\$0	
	RCP	42	2573		\$344	\$885,112	
	RCP	48	12460		\$363	\$4,522,980	
	RCP	54	7523		\$375	\$2,821,125	
	RCP	60	2882		\$456	\$1,314,192	
	RCP	72	12213		\$531	\$6,485,252	
	RCP	78	228		\$575	\$130,928	
	RCP	84	5676		\$613	\$3,479,296	
	RCP	90	2923		\$644	\$1,882,412	
	RCP	96	1961		\$669	\$1,312,023	
	RCB	RCB	385	2	\$1,000	\$770,000	
	RCB	RCB	1019	1	\$1,000	\$1,019,490	
	RCB	RCB	1174	1	\$1,000	\$1,174,000	
	RCB	RCB	2669	1	\$1,000	\$2,669,040	
	RCB	RCB	3800	1	\$1,000	\$3,799,940	
						Total:	\$32,361,864

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<i>Priority</i>	<i>Type</i>	<i>Size</i>	<i>Length</i>		<i>Unit Cost</i>	<i>Cost</i>	
2	RCP	30	303		\$225	\$68,175	
	RCP	36	566		\$313	\$177,158	
	RCP	42	1504		\$344	\$517,376	
	RCP	48	1577		\$363	\$572,451	
	RCP	54	1415		\$375	\$530,535	
	RCP	60	3283		\$456	\$1,497,235	
	RCP	66	463		\$494	\$228,727	
	RCP	84	1135		\$613	\$695,755	
	RCP	96	440		\$669	\$294,480	
						<i>Total:</i>	\$4,581,892
3	RCP	30	486		\$225	\$109,350	
	RCP	36	1632		\$313	\$510,850	
	RCP	42	861		\$344	\$296,077	
	RCP	48	2748		\$363	\$997,658	
	RCP	54	1976		\$375	\$740,929	
	RCP	60	2582		\$456	\$1,177,424	
	RCB	RCB	1331	1	\$1,000	\$1,330,610	
	RCB	RCB	264	1	\$1,000	\$263,640	
	RCB	RCB	1269	1	\$1,000	\$1,269,200	
	RCB	RCC	1440	1	\$350	\$504,063	
	RCB	RCC	1350	1	\$350	\$472,500	
	RCB	RCC	1350	1	\$350	\$472,500	
	RCB	RCC	2428	1	\$350	\$849,790	
	RCB	RCC	1425	1	\$350	\$498,596	
	RCB	RCC	1047	2	\$350	\$733,229	
						<i>Total:</i>	\$10,226,416
						Grand Total	\$82,921,351