

TOWN OF CHINO VALLEY AREA DRAINAGE MASTER STUDY
Priority Matrix for Proposed Future Drainage Projects

PROJECTS		CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D	CATEGORY E	CATEGORY F	SCORING	
PROJECT #	PROJECT DESCRIPTION	ESTIMATED CONSTRUCTION COST	HOMES/BUSINESSES HELPED	PROPERTIES TO BE IMPACTED BY NEW LAND ACQUISITION	RECURRING COMPLAINTS PER YEAR	RECURRING TOWN MAINTENANCE	RECURRING ACCESS PROBLEMS	TOTAL SCORE	HIGHEST SCORE POSSIBLE
1	PERKINSVILLE RD AT THE SANTA CRUZ WASH	4	1	8	5	5	1	24	60
2	CEMETERY DRAW AT JUNIPER DRIVE	4	10	10	10	10	10	54	60
3	CHINO MEADOWS UNIT 5 AT PEAVINE TRAIL	4	4	10	10	10	10	48	60
4	ROAD 3N AT TOWN HALL	10	1	8	10	5	1	35	60
5	MARIPOSA MANNER UNIT 2 SOUTH BOUNDARY	8	8	10	5	5	1	37	60
6	ROAD 2S WEST OF HWY 89	10	1	10	10	5	10	46	60
7	ROAD 1S FROM WEST OF ROAD 1E TO SANTA CRUZ WASH	1	2	1	10	10	5	29	60
8	CENTER STREET WEST OF ROAD 1E	6	1	5	5	5	1	23	60
9	ROAD 2S CROSSING EAST OF ROAD 1E	8	1	10	5	1	5	30	60
10	PERKINSVILLE RD EAST OF ROAD 1E	1	2	10	1	1	1	16	60

CATEGORY	CATEGORY RANGE	EQUIVALENT SCORE
A	\$0 - \$300,000	10
	\$300,000 - \$600,000	8
	\$600,000 - \$900,000	6
	\$900,000 - \$1,500,000	4
	\$1,500,000 - AND ABOVE	1
B	50+	10
	40 TO 49	8
	30 TO 39	6
	20 TO 29	4
	6 TO 19	2
	1 TO 5	1
C	0 TO 1	10
	2 TO 5	8
	6 TO 10	5
	11+	1
D	HIGH	10
	MEDIUM	5
	LOW	1
E	HIGH	10
	MEDIUM	5
	LOW	1
F	HIGH	10
	MEDIUM	5
	LOW	1

CATEGORY	DESCRIPTION	VARIABLE	SCORE RANGE
A	ESTIMATED COST OF CONSTRUCTION	LOWER COST = HIGHER SCORE	1 TO 10
B	NUMBER OF HOMES/BUSINESSES HELPED BY PROJECT	MORE HOMES = HIGHER SCORE	1 TO 10
C	PROPERTIES IMPACTED BY LAND OR R.O.W ACQUISITION	FEWER PROPERTIES = HIGHER SCORE	1 TO 10
D	LEVEL OF RECURRING COMPLAINTS	HIGHER RECURRENCE = HIGHER SCORE	1 TO 10
E	LEVEL OF RECURRING TOWN MAINTENANCE	HIGHER RECURRENCE = HIGHER SCORE	1 TO 10
F	LEVEL OF RECURRING ACCESS PROBLEMS	HIGHER RECURRENCE = HIGHER SCORE	1 TO 10

TOWN OF CHINO VALLEY AREA DRAINAGE MASTER STUDY
Preliminary Cost Estimates for Proposed Future Drainage Projects & Data Used for Calculation of Equivalent Score

CATEGORY A																							
Item #	Item Description	Unit	Unit Cost	Project Number																			
				#1		#2		#3		#4		#5		#6		#7		#8		#9		#10	
				Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
1	Mobilization	LS	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000	1	\$25,000
2	Small Storm Drain Pipe (18"-36")	LF	\$100	0	\$0	40	\$4,000	40	\$4,000	0	\$0	0	\$0	800	\$80,000	100	\$10,000	0	\$0	20	\$2,000	40	\$4,000
3	Large Storm Drain Pipe (42"-60")	LF	\$150	0	\$0	2450	\$367,500	200	\$30,000	0	\$0	0	\$0	0	\$0	2800	\$420,000	100	\$15,000	0	\$0	3700	\$555,000
4	Large Box Culvert - New	LF	\$7,500	50	\$375,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
5	Exist. 8' X 4' Box Culvert - Install Only	LF	\$250	0	\$0	0	\$0	0	\$0	80	\$20,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
6	Box Culvert Spillway	SF	\$12	0	\$0	0	\$0	1000	\$12,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
7	Small Flat Bottom Channel and Riprap	LF	\$85	0	\$0	0	\$0	800	\$68,000	800	\$68,000	0	\$0	400	\$34,000	0	\$0	0	\$0	0	\$0	0	\$0
8	Large Flat Bottom Channel and Riprap	LF	\$180	0	\$0	0	\$0	2500	\$450,000	0	\$0	0	\$0	0	\$0	2000	\$360,000	2700	\$486,000	0	\$0	0	\$0
9	Santa Cruz Wash Grading and Riprap	LF	\$220	650	\$143,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
10	Detention or Retention Pond w/Fence	AC	\$60,000	0	\$0	3	\$180,000	1	\$60,000	0	\$0	2	\$120,000	0	\$0	4	\$240,000	0	\$0	1	\$60,000	3	\$180,000
11	Dry Wells	EA	\$17,000	0	\$0	6	\$102,000	2	\$34,000	2	\$34,000	4	\$68,000	0	\$0	6	\$102,000	0	\$0	2	\$34,000	6	\$102,000
12	Paving - 3" A.C. on 6" A.B.C.	SY	\$50	1400	\$70,000	0	\$0	300	\$15,000	60	\$3,000	0	\$0	200	\$10,000	7500	\$375,000	300	\$15,000	0	\$0	11500	\$575,000
13	Curb and Gutter	LF	\$20	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2800	\$56,000	0	\$0	0	\$0	0	\$0
14	Land and Right-of-Way Acquisition	AC	\$25,000	1	\$25,000	3	\$75,000	2	\$50,000	1	\$25,000	2	\$50,000	0	\$0	4	\$100,000	1	\$25,000	1	\$25,000	0	\$0
15	Small House/Property Aquisition	EA	\$100,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	\$100,000	0	\$0
16	Large House/Property Aquisition	EA	\$150,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
17	FEMA CLOMR and LOMR	EA	\$10,000	1	\$10,000	1	\$10,000	0	\$0	0	\$0	0	\$0	0	\$0	1	\$10,000	0	\$0	0	\$0	1	\$10,000
18	Water/Sewer Relocation	LF	\$50	500	\$25,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	50	\$2,500	100	\$5,000	0	\$0	0	\$0
19	Gas Relocation	LF	\$100		\$0	0	\$0	0	\$0	100	\$10,000	0	\$0	0	\$0	100	\$10,000	100	\$10,000	0	\$0	0	\$0
20	Large Catch Basin Structure	EA	\$6,500	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$13,000	0	\$0	0	\$0	0	\$0	0	\$0
21	Grate Structure	LF	\$600	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	\$600	0	\$0	0	\$0	0	\$0	0	\$0
SUBTOTAL=					\$673,000		\$763,500		\$748,000		\$185,000		\$263,000		\$162,600		\$1,710,500		\$581,000		\$246,000		\$1,451,000
22	15% Engineering Analysis and Design				\$100,950		\$114,525		\$112,200		\$27,750		\$39,450		\$24,390		\$256,575		\$87,150		\$36,900		\$217,650
23	30% Contingency				\$201,900		\$229,050		\$224,400		\$55,500		\$78,900		\$48,780		\$513,150		\$174,300		\$73,800		\$435,300
TOTAL ESTIMATED COST=					\$975,850		\$1,107,075		\$1,084,600		\$268,250		\$381,350		\$235,770		\$2,480,225		\$842,450		\$356,700		\$2,103,950

CATEGORIES B THRU F										
CATEGORY	Project Number									
	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
B: Number of Homes/Business Helped	2	74	20	4	43	3	16	4	5	19
C: Properties Impacted by Land or R.O.W. Acquisition	3	1	1	3	1	0	14	7	1	0
D: Level of Recurring Complaints	Medium	High	High	High	Medium	High	High	Medium	Medium	Low
E: Level of Recurring Maintenance	Medium	High	High	Medium	Medium	Medium	High	Medium	Low	Low
F: Level of Recurring Access Problems	Low	High	High	Low	Low	High	Medium	Low	Medium	Low

Note: Level chosen for Category D, E and F was assigned by Town staff.