

GENERAL NOTES

CATCH BASINS

CONCRETE used in catch basins shall be in accordance with General Specifications or the City of San Bernadino.

CAVITY - Non-plumbings placed in any position around the walls provided they do not interfere with air action and the position is otherwise consistent with the improvement plan.

SUBDIVISION of the lot and segments of watercourses shall be carried forward from one segment to another by the Contractor.

REBARS of basins shall be given a 30' radius of bend and should be bent from the directions to the outer Fair Trade Canal basin 3' above or below grade with ends which do not cut unless otherwise specified.

MANHOLE shall be located along back wall slope and length before cutting. Pipes will be removed to the final slope and length before concrete is poured.

MORECTION (BASIN) horizontal plain round galvanized steel projection over 12" to be used when curbs are more than 12" embankment. Smooth end of curb end.

REINFORCING STEEL shall be 6 inches round deformed bars.

CHAMBER shall be 1 inch manholes as stated.

STEPS: 3' width round galvanized steel steps (12 inches apart) round when 12" greater than 6" per 6" inches. The top step should be 6 inches below the surface and shall be 24" inches from the wall.

Only one step (16" height from the bottom) 12" per 6" inches or less. No steps required if 12" feet distance of 16" steps shall be anchored not less than 3' species in wall of the basin.

GEOPORTS 1 inch main round galvanized steel supports shall be placed 7' feet apart. Support shall be referred to support 13' width.

BACKFILL - All exposed concrete shall conform in shape, grade, color, finish, and texture to permanent and paved curb and walk.

CATCH BASIN

DIMENSIONS

To increase the area of flow, 7'-0" wide x 11'-0" long basins should be used.

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CATCH BASIN

OPENING A DRAIN

Local depression

Opening a drain

HATCH

Manhole

STEEPS TABLE FOR MANHOLES

Openings	Depth	Length	Width	Volume	Length	Width	Volume	Length	Width	Volume
18"	6"	3'	1'	54	6'	1'	36	6'	1'	36
19"	6"	3'	1'	57	6'	1'	37	6'	1'	37
20"	6"	3'	1'	60	6'	1'	38	6'	1'	38
21"	6"	3'	1'	63	6'	1'	39	6'	1'	39
22"	6"	3'	1'	66	6'	1'	40	6'	1'	40
23"	6"	3'	1'	69	6'	1'	41	6'	1'	41
24"	6"	3'	1'	72	6'	1'	42	6'	1'	42
25"	6"	3'	1'	75	6'	1'	43	6'	1'	43
26"	6"	3'	1'	78	6'	1'	44	6'	1'	44
27"	6"	3'	1'	81	6'	1'	45	6'	1'	45
28"	6"	3'	1'	84	6'	1'	46	6'	1'	46
29"	6"	3'	1'	87	6'	1'	47	6'	1'	47
30"	6"	3'	1'	90	6'	1'	48	6'	1'	48
31"	6"	3'	1'	93	6'	1'	49	6'	1'	49
32"	6"	3'	1'	96	6'	1'	50	6'	1'	50
33"	6"	3'	1'	99	6'	1'	51	6'	1'	51
34"	6"	3'	1'	102	6'	1'	52	6'	1'	52
35"	6"	3'	1'	105	6'	1'	53	6'	1'	53
36"	6"	3'	1'	108	6'	1'	54	6'	1'	54
37"	6"	3'	1'	111	6'	1'	55	6'	1'	55
38"	6"	3'	1'	114	6'	1'	56	6'	1'	56
39"	6"	3'	1'	117	6'	1'	57	6'	1'	57
40"	6"	3'	1'	120	6'	1'	58	6'	1'	58
41"	6"	3'	1'	123	6'	1'	59	6'	1'	59
42"	6"	3'	1'	126	6'	1'	60	6'	1'	60
43"	6"	3'	1'	129	6'	1'	61	6'	1'	61
44"	6"	3'	1'	132	6'	1'	62	6'	1'	62
45"	6"	3'	1'	135	6'	1'	63	6'	1'	63
46"	6"	3'	1'	138	6'	1'	64	6'	1'	64
47"	6"	3'	1'	141	6'	1'	65	6'	1'	65
48"	6"	3'	1'	144	6'	1'	66	6'	1'	66
49"	6"	3'	1'	147	6'	1'	67	6'	1'	67
50"	6"	3'	1'	150	6'	1'	68	6'	1'	68
51"	6"	3'	1'	153	6'	1'	69	6'	1'	69
52"	6"	3'	1'	156	6'	1'	70	6'	1'	70
53"	6"	3'	1'	159	6'	1'	71	6'	1'	71
54"	6"	3'	1'	162	6'	1'	72	6'	1'	72
55"	6"	3'	1'	165	6'	1'	73	6'	1'	73
56"	6"	3'	1'	168	6'	1'	74	6'	1'	74
57"	6"	3'	1'	171	6'	1'	75	6'	1'	75
58"	6"	3'	1'	174	6'	1'	76	6'	1'	76
59"	6"	3'	1'	177	6'	1'	77	6'	1'	77
60"	6"	3'	1'	180	6'	1'	78	6'	1'	78
61"	6"	3'	1'	183	6'	1'	79	6'	1'	79
62"	6"	3'	1'	186	6'	1'	80	6'	1'	80
63"	6"	3'	1'	189	6'	1'	81	6'	1'	81
64"	6"	3'	1'	192	6'	1'	82	6'	1'	82
65"	6"	3'	1'	195	6'	1'	83	6'	1'	83
66"	6"	3'	1'	198	6'	1'	84	6'	1'	84
67"	6"	3'	1'	201	6'	1'	85	6'	1'	85
68"	6"	3'	1'	204	6'	1'	86	6'	1'	86
69"	6"	3'	1'	207	6'	1'	87	6'	1'	87
70"										

