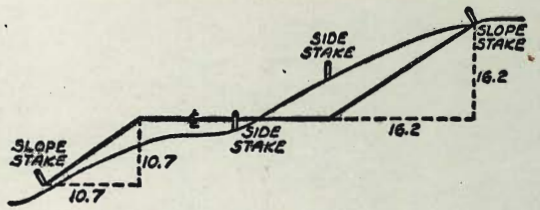

Distances from Side Stakes for Cross-Sectioning

Slope 1 to 1. Roadway of Any Width

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

G-383

	C
0	0.
1	1.
2	2.
3	3.
4	4.
5	5.
6	6.
7	7.
8	8.
9	9.
10	10.
11	11.
12	12.
13	13.
14	14.
15	15.
16	16.
17	17.
18	18.
19	19.
20	20.
21	21.
22	22.
23	23.
24	24.
25	25.
26	26.
27	27.
28	28.
29	29.
30	30.
31	31.
32	32.
33	33.
34	34.
35	35.
36	36
37	37.
38	38
39	39.
40	40.
41	41.
42	42.
43	43.
44	44.
45	45.
46	46.
47	47.
48	48.
49	49.
50	50.

Distanc
ground is
column ar
side stake
side stake
cut or fill
If it does

IMPROVED TABLES AND INFORMATION

TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	03	.06	09	13	16	19	.22	.25	.28	.31	.34	38	42	.46
15°	04	10	14	19	24	.29	.34	.39	.45	.51	.53	58	.63	.68
20°	06	.13	19	.26	.32	.39	.45	.51	.58	.65	.72	79	.84	.90
25°	.08	16	24	.33	40	49	.58	67	.75	.83	90	.99	1.06	1.14
30°	10	19	.29	39	49	.59	.69	79	.89	.99	1.09	1.20	1.29	1.39
35°	11	22	.34	47	.58	.69	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	15	.30	44	60	76	91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	19	38	.57	76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	21	42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	23	46	.69	.93	1.16	1 40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	25	.51	76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	30	.61	.91	1.22	1.53	1.84	2.15	2.46	2 78	3.10	3.44	3.78	4.12	4.46
85°	33	66	1.00	1.33	1.68	2.02	2.36	2 70	3.05	3.40	3.77	4.14	4.55	4 89
90°	36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	39	79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4 76	5.31	5 86	6.43	7 01	7 60
120°	62	1.25	1 93	2.52	3.16	3.81	4 45	5.11	5.77	6 44	7 12	7.80	8.50	9 22

FOR EXTERNALS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.985	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

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Pave San Luis Obispo Place
WO# 32214- Dec 28, 1956
LT = NLy

Station	NLy edge Pave grade	Stake		℄ grade	SLy edge Pave grade	Stake
at ℄ Place Bayside Lane				-2.47		
145^{00} = WLy ℄	-2.28	Meet		- 2.47	-2.34	
(18.34)						
1+26.66	-2.17	CO 22 -1.95	← ℄ = CO 47 →	-2.42	-2.19	CO.74 -1.45
(18.33)						
1+08.33	-2.04	CO.34 -1.70	← ℄ CO 67 →	-2.37	-2.06	CO.93 -1.13
(18.33)						
0+90.00	-1.92	CO 32 -1.60	← ℄ CO 73 →	-2.33	-1.93	CO 46 -1.47
(20.68)						
0+69.32	-1.78	CO 11 -1.67		-2.18	x-2'6lt -1.79	CO.86 -0.93
(20.66)						
0+48.66	-1.64	CO 23 -1.37		-2.04	-1.64	CO.71 -0.93
(20.66)						
6+28	-1.50	CO 06 -1.44	← ℄ CO 46 →	-1.90	-1.50	CO.60 -0.90
Mission Blvd at ℄ 0+00 = ELy ℄	-0.91			-0.93	-1.01	

Mission Blvd To Bayside Lane
DWG# 3257-D- Loose Leaf B-16
RT = SLy.

1

Pave San Luis Obispo Place — Bayside Lane ℄ to Bayside WLK ℄

LT = N4 — DWG 3257-D.W.0.32214 L.C. B ℄ 6

Station	LT edge Pave grade	Stake	℄ grade		RT or Sly edge Pave grade	Stake
1000 833 .6						
0+82 S-S	-0.30		-0.36		-0.27	
0+67 S-S (16.53)	0.25 BK -0.64	C.086 +0.22	-1.03	To ℄ → C0.64 →	-0.62	C023 -039
0+51.02 (16.51)	0.25 BK -1.01	C0.77 -0.24			-1.00	C022 -078
0+34.51 (16.51)	0.24 BK -1.38	C0.70 -0.68			-1.38	C027 -1.11
0+18	-1.75	C0.31 -1.44	-2.16	To ℄ → C029	-1.76	F011 -1.87
Bayside Lane ℄ 0+06 = Ely ℄	-2.16	Meet			-2.18	
1000 8.32 .32						

Pave Alley Blk 132

LT = Nly

Station	LT edge Pave	Stake
RT 0+50.9 = ℄		
0+49 = ℄ LT	1.33	
0+40	1.98	C 0.61 2.59
0+20	10K Nail 0.26 bk 3.28	C 0.37 3.65
RT 0+13.02 = SL #6		
RT 0+08 = (W)		
Strandway 0+00 = Ely ℄	4.59	

Mission Beach
Strandway To Mission Blvd
Between Liverpool & Lido Courts
RT = Sly

℄ grade		Sly edge Pave	Stake
		1.20	
1.63	℄ grade C 0.49 →	1.98	C 0.14 2.12
		3.28	F 0.22 3.06
		IE 0.53	C 3.14 3.67
		4.06	F 0.02 4.04
		4.58	

Pave San Luis Obispo Place — Ocean Front Walk To Strandway

LT = Nly — DWG 3255 D-W.O.# 32214 — RT = Sly

Station	LT edge Pave	Stake			Sly edge Pavement	Stake
BM = Seaward + San Luis Obispo Place - el = 6.98						
Strandway. 0+80.02 = Wly of	5.26	Meet			5.31	Meet
0+60	5.09	C0.12 5.21			Nail, 56 BK 5.18	C1.25 6.43
0+40	4.93	C0.21 5.14			Nail, 55 BK 5.05	C1.31 6.36
0+20	4.76	C0.14 4.90			Nail, 46 BK 4.92	C1.33 6.25
Ocean Front Walk 0+00 = Ely ℄	4.60	F0.03 4.57			4.80	S0.23 5.03

Pave San Luis Obispo Place
LT = NLy

Station	LT = NLy edge Pavement	Stake
To 317. 0+93.67 = ℄		
NLy 0+89.44 ℄ To	-0.29	
0+60	1.14	Fo 1.8 0.96
0+40	2.11	C 0.02 2.13
0+30	PE 2.69	C 0.13 2.82
0+20 : BVC	3.46	C 0.12 3.58
Strandway 0+00 = ELy ℄	5.17	Meet

Strandway to Mission Blvd
Dwg 325-5-D - WO # 32214
RT = Sly

	RT = Sly edge Pave grade	Stake
	-0.52	
	No. C 2.6 E 1.29	C 2.12 3.41
	2.36	C 0.60 2.96
	2.96	C 0.56 3.52
	3.67	C 0.67 4.34
	5.22	Meet

Pave Alley Blk 119 - Mission Beach - Between Kingston Ct + Kenwick Court 6

Strandway To Mission Blvd

LT = Nly - RT = Nly.

Station	LT edge Pavement	Stake	℄		Sly edge Pavement	Stake
Blvd Sly Mission 1+53.96 = ℄					- 0.62	
Mission Blvd Nly 1+49.91 = ℄	- 0.62					
1+40	'X' 2' back - 0.46	C023 - 023			'X' 1' back - 0.46	C077 0.31
1+15	'X' - 2' back - 0.07	C0.41 0.34			'X' 2' back - 0.07	C022 0.15
0+90	Nail 0.85 back 0.32	C109 1.32	C127 → 0.03		0.32	C098 1.30
0+65	'X' 1.46	C0.48 1.94	C101 → 1.14		1.46	C069 2.15
0+40	'X' 3' back 2.60	F002 2.58	C0.35 → 2.25		2.60	Grade 2.60
0+20	3.85	F015 3.70			1' back 3.85	C102 4.87
Strandway. 0+00 = Ely ℄	5.10				5.10	

Pave Alley Block 124 - Mission Beach — Between San Luis Obispo + Kingston CT — 7

LT = Nly — Strandway to Mission Blvd. — RT = Sly.

Station	LT edge Pavement	Stake			RT = Sly edge Pavement	Stake
Mission Blvd 1+11.59 = Rt Sly						
Mission Blvd Nly 1+08.45 = Rt	-0.84				-0.75	
0+80	0.69	C042 1.11			0.82	C017 0.99
0+60	1.75	C022 1.97			1.81	Fo.16 1.65
0+40	"X" 2" back 2.80	C040 3,20	C172 → 2.45		Nail 1.72 Bk 2.80	C1.37 4,17
0+20	Stub 1.0 back 4,09	C052 4,61			Stub 1.50 bk 4,13	Co.17 4.30
Strandway 0+00 = Ely Rt	5,38				5.46	

Pave Alley Block 120 - Mission Beach

LT = NLy

LT edge Pavement

BM: RL at Kingston CT & Bayside Lane EL = -2.47

Stake

Station	LT edge Pavement	Stake
1+74.26 = WLy ℄ TO SLy.		
Bayside Lane NLy 1+72.48 = WLy ℄	- 2.00	Meet
1+68	- 1.97	C062 -1.35
1+48	- 1.88	C063 -1.75
1+40 SL#1 (NLy)	-4.58	C322 -1.36
1+30 W NLy (LT)	-1.79	C081 -0.98
1+28	- 1.79	C053 -1.26
1+08	Stub l'back - 1.69	C054 -1.15
0+88	'X' l'back - 1.60	C045 -1.15
0+68	Nail 0.25 bio - 1.51	C1.31 -0.20
0+48	'X' l'back - 1.42	C050 -0.92
0+28	'X' l'back - 1.33	C042 -0.91
Mission Blvd at ℄ 0+00 = ELy ℄	- 1.20	

Between Kennebec CT & Kingston CT - Mission Blvd To Bayside Lane

RT = JLy

RT edge Pave

Stake

RT edge Pave	Stake
-2.00	
- 1.97	C062 -1.35
PK .39 BK - 1.88	C068 -1.20
'X' 2' bk -1.79	C0.39 -1.40
'X' 2' bk -1.69	C0.46 -1.23
⊠ l'back -1.60	C0.24 -1.36
-1.51	C04[illegible] 1.06
-1.42	C0.85 -0.57
-1.33	C1.14 -0.19
-1.20	

- C149 → -1.68

Pave Alley Block 123 - Mission Beach

LT = NLy

Station	edge Pave grade	Stake
1' NLy of Bayside		
1+53.51 = ℄ alley	-2.54	
(20.87)		
1+32.64	-2.28	C0.27 -2.01
1+23.57 = JL # 3 LT	-4.62	C2.57 -2.05
1+11.76	-2.02	C0.27 -1.75
0+95.57 = W LT	-1.82	C0.50 -1.32
0+90.88	-1.76	C0.50 -1.26
(20.88)		
0+70	'X' 2' back -1.50	C0.50 -1.00
0+52.50	-1.60	C0.45 -1.15
0+35.00	-1.70	C0.67 -1.03
0+17.50	0.23 back Nail -1.80	C1.34 -0.46
Mission Blvd 0+00 = Ely ℄	-1.90	

PWL 3255-D - Between Kingston CT + San Luis Obispo
Mission Blvd & to Bayside Lane
RT = Sly

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℄	edge Pave grade	Stake
	-2.48	
	1.50 back -2.23	C0.39 -1.84
	-1.99	C0.37 -1.62
	-1.74	C0.15 -1.59
C0.41 -1.70 →	-1.50	C0.21 -1.29
C0.35 → -1.75	-1.60	C0.20 -1.40
C0.41 → -1.80	-1.70	C0.31 -1.39
C0.89 -1.85 →	-1.80	C0.84 -0.96
-1.90 →	-1.90	

Pave alley Blk 128, Mission Beach. Dwg 32 52-D-W.O.# 32214. 10

Between San Luis Obispo Place & Lido ct. Mission Blvd To Bayside Lane

Dec 31, 1956

LT = NLy

RT = SLy

Station	NLy edge Pave grade	stake	℄ grade	SLy edge Pave grade	stake
Bayside Lane 1+38.30 = WLy ℄	-2.06		-2.36	-2.08	
1+25	-1.96	CO 28 -1.68		-1.96	CO 43 -1.53
1+05	-1.82	CO 32 -1.50		-1.82	CO 31 -1.51
0+85	-1.68	CO 13 -1.55		-1.68	FO 01 -1.69
0+65	-1.54	CO 04 -1.50		-1.54 ?	FO 19 -1.73
0+58.87 0+54.76 SL #5 RT				-1.54 ?	
0+45	'X' C -1.40	CO 56 -0.84	-1.78 CO 48 →	-1.40	CO 13 -1.27
0+28.87 RT 0+24.76 = W				-1.00 ~~-0.98~~	CO 38 ~~-0.60~~ -0.62
0+22.50	PK. 25 hack -0.85	CO 08 +0.23	CO 30 ℄ IE → -1.12	-0.91	CO 09 -0.82
Mission Blvd 0+00 : ELy ℄ SL #4	-0.30		-0.50	-0.42 -1.69	CO 05 -0.04

Pave alley Blk 131 - Mission Beach

Between Lido Court & Liverpool Ct

LT = NLy

Station	LT edge Pavement	Stake
Bayside Lane		
1+28.45 = WLy ℄	- 1.59	
1+14	- 1.46	C0.56 -0.90
1+00	- 1.33	C0.37 -0.96
0+80	'X' 2' back - 1.15	F0.03 -1.18
0+64 = #7 LT	- 2.66	C1.68 -0.98
0+60	- 0.96	F0.02 -0.98
0+49 = W·LT	- 0.87	F0.13 -1.00
0+40 = EVC	- 0.78	F0.05 -0.83
0+30	- 0.70	F0.01 -0.71
0+20 = BVC	- 0.25	F0.06 -0.31
Mission Blvd		
0+00 = ELy ℄	0.63	Meet

Dwg 3256-D - Info

Dec 31, 1956

Mission Blvd ℄ To

RT = SLy

℄ grade	
C1.71 →	-1.13
C0.97 →	-0.94
C0.59	-0.50
0.60	

32214

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Bayside Lane

RT edge Pave	Stake
- 1.52	
PK. 0.1835 BK - 1.39	C0.71 -0.68
PK 0.97 BK - 1.27	F0.02 -1.29
'X' 1' back - 1.11	C0.01 1.10
PK 0.946 BK - 0.94	C1.44
PK 0.446 BK - 0.78	C1.36 0.58
X-1.25 BK - 0.62	C0.65 0.03
X-1' back - 0.30	C0.39 0.09
0.49	

Pave alley B/K 136 - Mission Blvd

LT = Nly

LT edge

Station	Pave	Stake
Bayside Lane	- 1.84	
1+22.45 = nly pk		
1+05	Redi'back - 1.40	C1.43 0.03
0+82.30 = #8 LT	- 2.38	C1.72 -0.66
0+81.66	- 0.80	C0.13 -0.67
0+67.30 = W LT	- 0.43	F0.09 -0.52
0+58.33	- 0.20	F0.16 - 0.36
(23.33)		
0+35	0.40	F0.22 0.18
0+17.50	0.70	C0.07 0.77
Mission Blvd 0+00 = Ely pk	1.00	

Drwg 3256-D - W.O. # 32214 - Dec 31, 52 — 12

Between Liverpool Ct + Manhattan Ct.

Mission Blvd To Bayside Lane

RT = Sly.

℄ grade		RT edge Pavement	Stake
-2.01		- 1.86	
- 1.75		- 1.40	C0.33 - 1.07
		- 0.80	C0.14 - 0.66
		- 0.20	F0.08 - 0.28
0.05		"X" 2 0.40	C0.38 0.78
0.53		0.70	C0.29 0.99
1.02		1.00	

Pave alley Blk 139 - Mission BCL

LT = Nly LT edge

Station	Pavement	Stake
Void See page 14		
0+51 #11 LT		
0+49.29		
0+41 W LT	0.39	
0+25.9 SL #10 LT		
0+29.64		
0+20 W LT	0.70	
0+10 W RT		
0+10	0.84	
0+00 = ELY R 131 V d Mission	0.98	

Dwg 3256-D - WO # 32214 — 13

Manhattan CT + EL. Carmel Place

Mission Blvd to Bayside Lane

RT = Sly

℄	Sly edge pavement	Stake
0.49	0.84	
1.00	0.98	

Alley Blk 139 - Mission Beach
LT = NLy

Between Manhattan Court & El Cormel Place - Mission Blvd To Bayside Lane
WO # 32214 - Dwg 3256-D - Jan 2, 1957

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Station	NLy edge Pavement	Stake	℄ grade	RT = SLy edge Pave	Stake
Bayside Lane					
1+20 58 = wly ℄	- 1.32		- 1.53	- 1.40	
	'x' 2' back	C 0.33	C 0.44 →		C 0.15
1+08 58	- 0.86	- 0.53	- 1.19	- 0.90	- 0.75
		F 0.10	C 0.22		F 0.20
0+98 58	- 0.48	- 0.58	- 0.90 ←	- 0.48	- 0.68
	one edge pave	C 0.25	F 0.13 →		F 0.48
0+88 58	- 0.26	- 0.01	- 0.61	- 0.26	- 0.74
	'x' 1' in alley	F 0.39		'x' 2' back	F 0.51
0+68 93	0.01	- 0.38		0.01	- 0.50
0+51 ℄ 11 LT	- 1.50	C 1.55 + 0.37			
0+49 29	0.29	C 0.04 + 0.33		0.29	C 0.24 + 0.53
0+41 - W. LT	0.39	C 0.07 + 0.46			
0+29.64	0.56	F 0.10 + 0.46		0.56	C 0.15 + 0.71
0+28 = ℄ 9 RT				- 1.00	C 2.00 + 1.00
0+25 9 = SL ℄ 10 LT	- 0.95	C 1.58 + 0.63			
0+20 = W LT	0.70	F 0.10 + 0.60			
0+10 = W RT				0.84	C 0.65 1.49
		F 0.02	C 0.82 →		C 0.47
0+16	0.84	+ 0.82	0.49	0.84	+ 1.31
Mission Blvd					
0+00 = 1=Ly ℄	0.98				

Alley Blk 144, Mission Bch — Between El Caminito & Monterey Ct — Dwg 3257-D. Jan 15, 1957 — 15

Place + Mission Blvd. To Bayside Lane

Station	LT = NLy - LT: NLy edge Pave	Stake	℄ grade	RT = Sly - RT: Sly edge pavement	RT Stake
Bayside Lane 1+22.11 = WLy ℄	-1.64		-1.74	-1.53	
1+00.11	Nail 0.41 Back -1.28	CO 5.3 -0.75	CO.50 → -1.60	'X' 2' back -1.19	CO 0.9 -1.10
0+86 = SL # 12 LT.	-2.80	C1.98 -0.82			
0+79.54	-0.91	FO 0.4 -0.95		1.50 bk -0.85	FO 0.4 -0.89
0+71 = W LT	-0.77	CO 2.0 -0.57			
0+58.27	-0.54	CO 3.3 -0.21		1.50 back -0.51	CO 2.8 -0.23
0+37	Nail 0.10 in Pave -0.17	C1.84 1.67	C1.34 → -0.42	Nail 0.42 BK -0.17	C1.09 0.92
0+27	0.07	CO 5.3 0.60	C1.45 → -0.25	Nail 0.39 BK 0.12	C1.08 1.20
0+17	0.45	CO 2.2 0.67		PK 2' bk 0.64	CO 1.9 0.83
Mission Blvd 0+00 = ELy ℄	1.23		1.37	1.44	

Pave Alley BLK 148 - Mission Beach

LT = NLy -

LT = NLy edge

Station	Pave Grade	Stake
Blvd. WLy & Mission		
0+57.82 →	1.24	
0+40 = EVC	X - 2' back 2.18	Co. 28 2.46
0+30	'X' 1' back 2.78	C 0.07 2.85
0+20	Nail 0.38 back 3.52	C 0.94 4.46
Strandway - 0+00 = ELy	5.16	

Between Monterey CT + Nahant CT

Strandway To Mission Blvd -

DWG 3257-D, WO 32214, Jan 15, '57

RT = Sly

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℄ grade		RT = Sly edge Pave	Stake
1.20		1.24	
C 2.44 → 1.83		Nail 2' back 2.18	C 2.09 4.27
		Nail 1.95 BK 2.78	C 1.14 3.92
C 1.21 → 3.17		'X' 2' bk. 3.52	C 0.86 4.38
5.17		5.17	

Stake Storm Drain BIKS 27,28 Fairmount addition To City Hts - 50' R + 6 Range
DWG 13132 - L - Vol 4 - 1584 - Jan 15,57
Ref = J-18
C. Allen, Sisson, Powell.
Staked 15' Sly + Rt Pipe

Station	IE Pipe	Stake	CUT
4+18.66	298.20	300.69	C2.49
3+87.33	298.78	300.75	C1.97
3+56	299.36	301.07	C1.71
3+40 = EVC	299.66	301.80	C2.14
3+20	300.19	302.84	C2.65
3+00 = BVC	300.90	304.62	C3.72
+ Begin Pipe 2+62 = end Ditch (34')	302.56	307.80	C5.24
2+28 = (34') Pitch	304.04	310.94	C6.90
1+94.00 = Begin	305.53	313.17	C7.64
0+66 = Ely & Winona			

Station	IE Pipe	Stake	CUT
BM = Ely end 48" conc pipe @ EL = 307.91			0+66.02
6+45.66 = end pipe	294.00	301.26	C7.26
6+09.66	294.65	305.05	C10.40
5+73.66	295.32	303.50	C8.18
5+37.66	295.99	300.28	C4.29
5+01.66	296.66	300.36	C3.70
4+65.66 = EC	297.33	300.28	C2.95
D = 10° R = 895 4+50.00 = BC.	297.62	300.35	C2.73

Park Union — 5th. Market to Island — Sisson, Powell
Dwg 12984-L — Allen,
LT = Ely

WO# 62487 - F-22
- Jan 18, 1957
RT = Wly.

Station	LT=Ely gut	Rough grade	Top Cb grade	Stake	℄ grade		Rough grade	RT=Wly Top Cb grade	stake	RT
EXIST Cb on Ely 1+36.5=Begin	7.95		8.62					7.92	F 0 2 0 7.72	
1+00			9.39	F 0 3 9 9.00				8.44	F 0 0 4 8.40	
0+75.5 = ℄ 49' Comm Drive Ely										
0+70			10.00	F 0 8 5 9.15				8.87	F 0 0 8 8.79	
(Wly only) 0+44										8.90
Ely only. 0+40			10.63	C 0 1 4 10.77						
(Wly only) 0+36										9.55
0+25 = ℄ 16' Comm Drive Ely										
(Ely only) 0+20			10.89	C 0 0 4 10.93						
(Wly only) 0+18									T.C.	C 0 6.7 T.C. 10.58 9.91
Market 0+00 = Sly ℄			11.15							

Pave units cont

LT = ELY

RT = WLY

Station	Top of grade	Stake	LT = ely Cut grade	Top of grade	Stake
3+00			4.71	6.02	F 0.52 5.50
2+70			5.13	6.17	F 0.29 5.88
2+60 (ELY CUT)			5.24		
2+50			5.41	6.27	C 0.01 6.28
2+26 = BF, WLY				6.62	F 0.09 6.53
2+00				7.01	F 0.24 6.77
1+70				7.44	F 0.16 7.28

Pave alley Block 64, University Hts -
BM = 3EBD Meade ohio
EL = 373.52
LT = wly edge

Station	Pave Grade	Stake	Kgrade		RT = ely edge pave grade	Stake
2+14	374.90	FO 31 74.59			375.00	CO 53 75.53
1+76	PK - 374.22	CO 22 74.44			Nail on back 374.38	C 1.47 75.85
1+38	PK 373.54	CO.54 74.08			PK on bk 373.75	C 1.27 75.02
1+15 = SL # 2 LT	368.2 = IE Gr	C 4.74 72.94				
1+00 = EVC	372.86	FO.09 72.77			373.13	CO.67 73.80
0+80 = SL # 3 LT	367.6 = IE Gr	C 5.09 372.69				
0+80	372.45	CO. 31 372.76			X'2' back 372.74	CO 38 73.12
0+60 = BVC	371.93	FO 01 371.92			X'2' bk 372.23	CO.90 73.13
0+30	371.07	CO 23 371.30			X'2' 371.37	CO.98 72.35
Meade 0+00 = Nly Pk	370.22				X'2' back 370.52	CO.79 371.31

Alley Blk 64, Univ Hts

LT = WLy

Station	LT = WLy edge Pave grade	Stake
Mon. o.e. 6+01.16 = 5+81.16	381.48	Meet
5+81.16 #1 LT	IE Gr = 376.2	C 5.11 381.31
5+81.16 (℄)	C 0.20 381.18	C 0.20 81.38 } C 0.03 →
5+60	380.88	F 0.03 80.85
5+20 = EVC	380.30	C 0.42 80.72
5+00	379.99	F 0.70 79.29
4+80 = BVC	PK 0.25 back 379.64	C 0.17 79.81
4+42	PK 0.23 Back 378.97	C 0.80 79.77
4+04	'X' 2' back 378.29	C 0.23 78.52
3+66	'X' 2' back 377.61	C 0.31 77.92
3+28	'X' 2' back 376.93	C 0.24 77.17
2+90	Nail 1.05 back 376.26	C 0.51 76.77
2+52	0 1' back 375.58	C 0.14 75.72

RT = Ely.

℄		RT = Ely edge Pave grade	Stake
		181.72	Meet
380.85	C 1.14 TOP	Nail 0.62 bk 181.30	C 0.69 Pave 81.99
		Nail 0.64 bk 380.90	C 0.86 81.76
		Nail 0.53 bk 380.10	C 1.25 81.35
		Nail 0.60 bk 379.72	C 1.42 81.14
		'X' 1' back 379.37	C 1.11 80.48
		PK. 0.15 back 378.75	C 1.07 79.82
		378.12	C 1.01 79.13
		377.50	C 0.92 78.42
		376.87	C 0.63 77.50
		376.25	C 0.23 76.48
		375.63	C 0.25 75.88

Pave alley BLK 66, CITY Hts

WO # 32643- Dwg # 3252-D
Jan 24, 1957

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Station	Pave	Stake	d		RT = rly edge Pavement	Stake
	LT = NLy edge					
1+20 = #3 RT				staked 5' back prop line on line of Lateral	323.04	C5 59 28.63
1+20	⊡ 1' back 328.04	C 00 6 28.10		0.84	Nail 0.84 Back 328.34	C 0 6 7 29.01
1+00	⊡ 1' back 326.50	C 00 8 26.58			Nail 0.80 bk 326.80	C-1.12 27.92
0+80	324.66	F 0 31 24.35			Nail 0.89 BK 324.96	C-1.88 26.84
0+60	322.42	C 0.38 22.80			Nail 0.82 bk 322.72	C 1.85 24.57
0+40	319.78	C 0.31 20.09			Nail 0.81 bk 320.08	C-1.98 22.06
staked 5' NWly of edge of pave + on line of LAT 0+30 = 1W LT	318.26	C 0.51 T.C. 318.77				
0+20 = LT SL #1	stakes 5' back # 311.0	C 6 78 317.78				
0+20	316.74	C 0 81 317.55			Nail 0.71 back 317.04	C 0 5 2 317.86
Landis ST 0+00 = NLy ℄	313.30	C 01 9 13.49			Nail 0.69 bk 313.60	F 1 35 312.21

Alley Blk 66, City Hts

Station	LT = Wly edge Pave Grade	Stake
3+20 = BVC	334.25	CO. 32 34.57
2+90	333.76	CO 30 34.05
2+60	333.26	CO.30 33.56
2+30	332.76	FO.30 32.46
Omitted - House built ~~2+30 = W LT~~	~~232.76~~	
Omitted - House built ~~2+20~~ = #2 LT	327.59	
2+00 = EVC	332.26	FO.13 32.13
1+80	331.50	FO 10 31.40
1+60	330.55	CO 15 30.70
1+40	Wall int Porch 15 back 329.39	C/52 30.91

C O LT

23

Grade	RT = ely edge Pave Grade	Stake
	334.55	FO 11 34.44
	ONCINET Wly Hub 334.11 334.05 30' 'X' Fall-	C O 43 34.48
	333.56	CO.34 33.90
	'X' 2' back 333.06	C O 64 33.70
	332.	
	332.56	C O 01 32.57
	331.80	CO.44 32.24
	Nail 0.5' back 330.85	C/43 32.28
	Nail 0.7' back 329.69	C.088 30.57

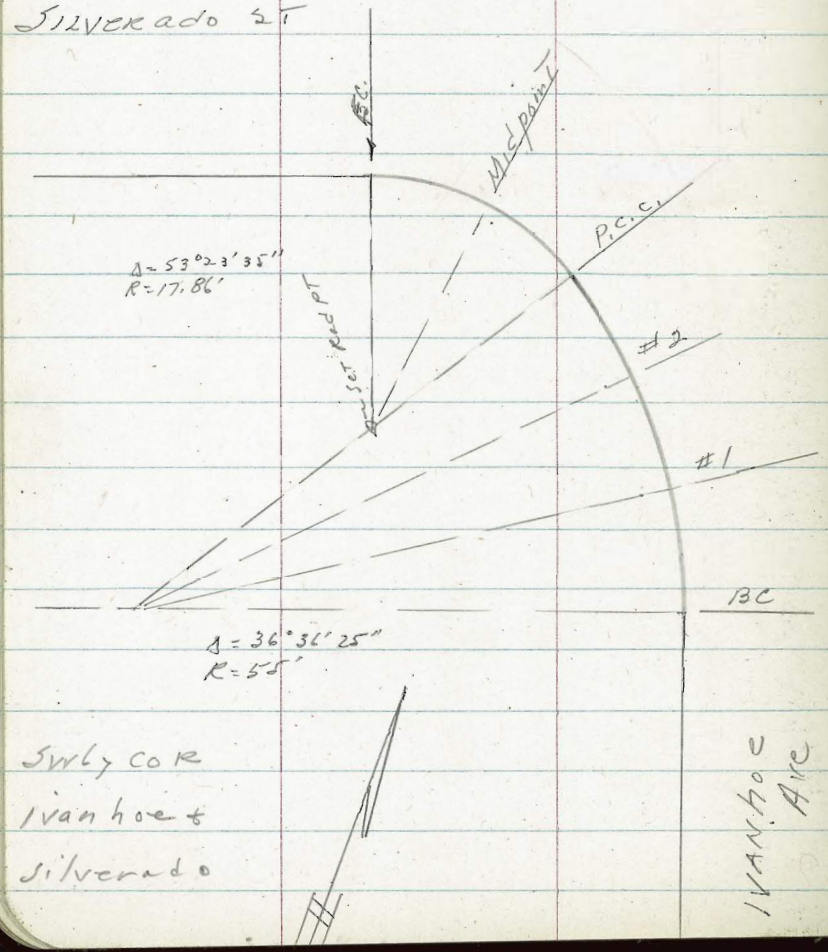
Station	LT = wly edge Pave	Stake	℄ grade	RT = ely edge Pave	Stake
5+30	333.81	Fo 73 33.08		334.11	CO 60 34.71
5+10 = BVC	334.14	Fo 41 33.73		⊠ 3 back 334.44	CO 82 335.26
4+88	334.27	CO 06 34.33		Nail 1.20 bk 334.57	C/ 64 36.21
4+66	334.40	CO 12 34.52		334.70	CO 81 35.51
4+44	334.53	Fo. 22. 34.31		Nail 0.96 bk 334.83	C/ 22 36.05
4+22	334.66	Fo. 12 34.54		334.96	CO 10 35.06
4+00 = EVC	334.79	CO 01 34.80		Nail 1.12 bk 335.09	CO 97 36.06
3+80	334.83	CO 56 35.39		335.13	Co. 24 335.37
3+60	334.76	CO 47 35.23		335.06	CO 05 35.11
3+40	334.57	Co. 22 34.79		⊠ 3 back 334.87	CO 03 34.90

Alley Blk 66, City — Hts cont

Station	LT= Wly edge Pave	Stake	℄ Grade		RT= Ely edge Pave	Stake
℄ Wrightman 6+00 4.0 = Sly	328.32 →		328.62		329.21	
5+90 (℄)	▫ 3' back 329.70 - ℄ = C 0.97	C 0.72 330.42	329.40	℄ = C 3.43 →	3' back ▫ 330.00	C 2.88 332.88
5+70	331.59	C 0.64 332.23			331.89	C 1.61 333.50
5+50	▫ 4' back 332.96	F 0.30 32.66			333.26	C 0.69 33.95

BM = Top Curb 50' Sly of The Sly Line of Silverado ST & Wly Side Ivanhoe - See A-10 - EL = 128.01

Set Curb Stakes at the Southwest Cor Ivanhoe & Silverado Sts in La Jolla. Dwg 6245-A-B - W.O. # 21527 Jan 26, 57 -



Station	Top curb elev.	Stake	Cut or Fill
(on Silverado) E.C.	124.56	24.88	C 0.32
of 17.86 Rad. Mid point	124.98	25.08	C 0.10
P.C.C.	125.40	24.95	F 0.05
#2	25.85	25.46	F 0.39
#1	26.29	25.91	F 0.38
B.C. - on Ivanhoe	126.73	26.13	F 0.60

1/31/57. Stake Top of Curb grade on Ely Prop Line Cabrillo Ave - Sly of Peark ST IN Front of LOT 3, Beverly Hts 7441 - Cabrillo Ave - Permit #33 WO #20006 - See Dwg #3454-D

Station Staked on Ely R Cabrillo - Grades are top of Curb	Ely Top Curb elev	Stake
Staking 1+87.5 = end	158.76	C0.98 59.74
1+70 = BVC	158.50	C2.69 161.19
1+60	158.40	C4.07 162.47
1+40	158.23	C4.20 162.43
1+20	1'X' on walk 158.05	C1.43 159.48
Staking 1+00 = Begin	on Prop pipe 157.88	~~C3.56~~ C3.28 ~~16.44~~ 161.16
Peark ST 0+00 = Sly R	157.00	

Stake 209' Sewer for Sewer Dept in Hill ST Between Cordova ST and alley SEly of Cordova - WO #20006 - Feb 5, 57

27

Station	IE	Stake
Make connection at 2+09 = Main Cordova & Hill	Meet S 2.00	C9.35 61.35
1+75	S 5.51	C8.13 63.64
1+50	S 8.08	C7.39 65.47
1+25	60.65	C6.71 67.36
1+00	63.22	C6.08 69.30
0+75	65.79	C5.45 71.24
0+50	68.36	C4.77 73.13
0+25	70.93	C4.08 75.01
E Hill & alley: 0+00 = existing MH	73.50	C3.42 76.92

Stake Storm Drain in Nautilus
To and including some of, Muir Lands
DWG 13117-L-

Station	IE PIPE	Stake
2+81.6	296.30	C4.99 301.29
2+46.4	295.50	C4.60 300.10
2+11.2	294.70	C4.44 299.14
1+76.0	293.90	C4.28 298.18
1+40.8	293.10	C4.37 297.47
1+05.6	292.30	C4.43 296.73
0+70.4	291.50	C4.50 296.00
0+35.2	290.70	C4.50 295.20
℄ NAUTILUS of Ave De Las Pescas Wly of Intersection 0+00 = ℄ Type G C.O	Top CO = 294.50 IE C.O. = 285.90 289.80 = IE	C8.32 294.22 - C4.72

ST. AVENIDA DE LAS PESCAS 28
Vista Way - WO# 21577-Fc68,57
BM = Wly end of SWly Curb Return
AVE. DE LAS PESCAS ℄ NAUTILUS = 294.48
DWG 11009-L-

Station	IE Pipe	Stake	
4+72.56	302.48	C6.56 309.04	
4+62.56	301.71	C6.92 308.63	
4+52.56	301.17	C7.10 308.27	
BVC 4+42.56 = EC	300.86	C7.03 307.89	
B.C. 4+27.20	300.35	C7.05 307.40	22' Rad Δ = 40°00'
3+99.20	299.45	C6.67 306.12	
3+71.20 = EC	298.56	C6.64 305.20	22' R Δ = 50°00'
℄ Type G CO 3+52.0 = BC	297.90	C6.69 304.59	Top: CO C0.09 304.5
3+16.8	297.10	C5.66 302.76	

Storm Drain in NAUTILUS Cont

	Station	IE Pipe	Stake
	Staked 5' RT Looking upstream		
	IE 5' Sly + 5' Wly.		
	End Project		
	5+58 75 =	309.04	C 3.38 312.42
	EVC 5+32 56	307.84	C 3.51 311.35
	5+22 56	307.21	C 375 310.96
	BVC 5+12 56	306.40	C 421 310.61
	4+81 46 = 13C	303.35	C 607 309.42

Stake Storm Drain in Catalina Blvd
Rosecroft Lane - Dwg 12996-L
Staked 5' Ely of ℄ Pipe

Station	IE Drain	Stake
3+64.80	307.00	C409 311.09
3+19.20	308.69	C373 312.42
2+73.60	310.38	C417 314.55
2+28.00	312.07	C473 316.80
1+82.40	313.75	C475 318.50
1+36.80	315.44	C604 321.48
0+91.20	317.13	C621 323.34
0+45.60	318.81	C715 325.96
Rosecroft Lane C.O. #3 - 480' Sly of 0+00 = ℄ Type G	320.50	on 5' offset 329.93 - C943
0-15	320.68	328.85 - C817

From Garden Lane To 480' Sly of

3.0

W.O. # 21474 - L.L. B-22 - Feb 11, 57
BM = Hub at 0+00 329.68

Station	IE Pipe	Stake	
6+07.66	300.05	C401 304.06	
5+75.49	300.35	C399 304.34	
5+43.32	300.65	C416 304.81	
Rosecroft Lane = C.O. #2 at 5+11.15 = 5+12.65	300.96 To NLy - 301.53 + o Sly	C397 304.93 C340 304.93	J+305.30 - C430 9.5 Ely = 301.00
4+91.89	PK 302.40	C349 305.89	
4+71.89 = E.C.	303.04	C428 307.32	
Mid Point 4+63.95 =	303.34	C419 307.53	
4+56.01 = B.C.	303.63	C404 307.67	Δ = 10° - R = 91.0° T = 7.96 - L = 15.88
4+10.40	305.32	C380 309.12	

Catalina Drain Cont

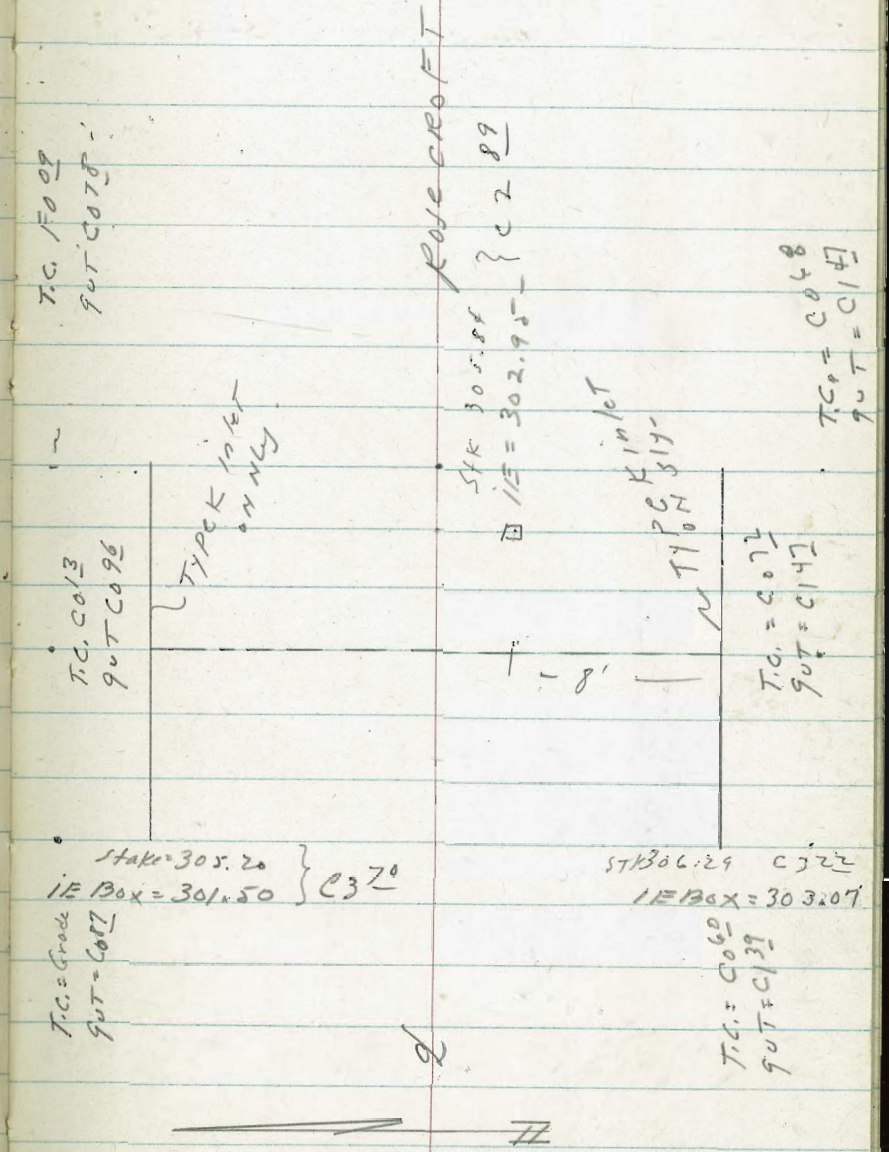
Station	IE Pipe	Stake
7+67 73	298.96	C2 31 301.27
7+48 44	299.06	C244 301.58
7+29 15	299.15	C260 301.75
7+09 86	299.25	C310 302.35
6+90 57	299.34	C336 302.70
6+71 28 = EC ∠ = 3.83 Δ = 10° R = 22'	299.44	C323 302.67
6+67 45 = BC	299.48	Skip
6+43 65 = E.C.	299.71	SKIP AKU
∠ = 3.83 Δ = 10° R = 22'		
6+39 82 = BC	299.75	C366 303.41 SKIP

Station	IE Pipe	Stake	
existing 18" Pipe connection to 9+49 88 Make	298.08		
L + L Type D catch Basin 9+34 39	298.13	C358 301.71	C171 Grate = 300.00
9+10 98	298.24	C369 301.93	
8+87.59	298.36	C338 301.74	
Garden Lane #1 at 8+64 20 = ℄ Co.	298.48	C266 301.14	C275 301.27 298.52 9.5 to Ely
8+44 89	298.58	C276 301.34	
8+25 60	298.67	C243 301.10	
8+06 31	298.77	C220 300.97	Skip
7+87 02	298.86	C206 300.92	Skip

Stake 2 7' Type K inlets & Conn Storm drain in Rosecrans St just Ely Catalina Blvd - see Dwg 3607-D Feb 15, 57 - WO # 32449

Station	IE Pipe	Stake
Ely of Sly inlet	305.61 − 306.29 C068 / 304.82 − 306.29 − C1.47	
℄ Sly inlet	305.57 − 306.29 − C072 / 304.82 − 306.29 C-147	
Wly of Sly inlet	305.61 − 306.21 − C060 / 304.82 − 306.21 C139	
Ely of Nly inlet	T.C. 305.11 − 305.02 − F009 / 304.24 − 305.02 − C078	
℄ Nly inlet	305.07 − 305.20 − C013 / 304.24 − C096	
Wly of Nly inlet	T.C. 305.11 − 305.11 Grade / 304.24 − 305.11 C0.87	
= Wly of K inlet 0+99.62 − 30.42	301.50	
0+86 7° 2°28'	301.43	C390 305.33
0+73.78 − 1°14' CH=12.90 −	301.36	C370 305.06
3 Parts - equal - Δ = 7°24' - R = 360 - L = 38.76		
0+60.86 = BC	301.30	C364 304.94
	PK in A.C.	C412
0+40.56	301.20	305.32
		C419
0+20.28	301.10	305.29
℄ Catalina		
0+00 = Ely ℄ Cat.	301.00	C430

Drain



Stake Rosecroft for Paving - WO# 32449.

DWG # 3607-D. Feb 15, 57 - LT = Nly RT = Sly.

33

Station	LT or RT	Rough grade	Top curb	Stake	℄ Grade		Rough grade	Topcurb Grade	Stake	RT or LT

Void See Page 34

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Stake Rosecroft — WO# 32449 — Feb 15, 57 — JH

13/1 = ℄ Spike — LT = Ely — RT = Sly.
Catalina + Rosecroft = 306.50

Station	LT Cut	Rough grade	Topcb grade	Stake	℄ Grade	Rough grade	Topcb grade	Stake	RT Cut
		F0 25		F0 11		11' back C0.9		C0 01	
1+39 0.3		305.10	305.35	05.24		306.7	305.82	305.83	
	only			C0 07				C0 50	C/0.2
1+18 00 Gutc	304.70	—	305.20	305.27	305.33	—	305.70	06.20	05.20
				C0 03				C0 51	
1+13 0.3			305.16	305.19			305.65	06.16	
1+03 = ℄ C.B.	304.24		305.07		305.20		305.87		04.82
				C0.46				C0 40	
0+93 0.3			305.16	305.62			305.66	306.06	
Gutter off	C/ 04			C0 54				C0 32	C0 82
0+87	304.70	—	305.20	305.74	305.33	—	305.70	306.02	05.20
		F0 28	305.30	F0 02		C0 38	305.80	C0 20	
0+74 0.3		305.00	305.28	305.28		306.16	305.78	306.00	
(19.01)									
		F0 33	305.44	C0 04		C0 61	305.94	C0 09	
0+55 0.2		305.08	305.41	305.48		06.52	305.91	306.03	
(19.01)									
		F0 43	305.57	F0.45		4' back C0.36	306 07	C0 01	
0+36 0.1		305.10	305.53	305.12		306.39	306.03	06.08	
(19.01)									
13 c.		F0 57	305.70	F0 45		C0 35	306.20	F0 08	
0+17 = cb		305.08	305.65	05.25	305.78	306.50	306.15	306.12	
℞ Catalina									
0+00 = Ely			305.40		305.70		307.60		

Stake Rosecroft
LT = NLy

Station	LT Out	Rough Grade	Topcb Grade	Stake
3+63.03		C018 309.95	309.77	C0.08 09.85
3+43.03		C022 309.09	2' back 308.87	C005 08.92
3+23.03		F012 307.96	308.08	C007 08.15
3+03.03		F018 307.24	307.42	F0.13 07.29
2+83.03		F017 06.70	306.87	C004 06.91
2+63.03		F047 305.96	306.43	F0.23 06.20
=BVC 2+43.03		F035 305.76	306.11	F0.23 05.88
2+17.03		F0.65 305.27	305.92	F0.58 05.34
1+91.03		F0.28 305.45	305.73	F0.17 05.56
1+65.03		F030 305.24	305.54	F024 05.30

Cont
RT = Sly.

℄		Rough Grade	Topcb Grade	Stake
		C026 310.02	309.76	C004 309.80
		C093 309.81	308.88	C053 309.41
		C096 309.10	308.14	C049 308.63
		C060 308.13	307.53	C009 307.62
		C020 307.25	307.05	F009 306.96
		C034 307.05	306.71	C012 306.83
		C028 306.78	306.50	F014 306.36
		C007 306.40	306.33	F029 306.04
		F016 306.00	306.16	F025 305.91
		C035 306.34	305.99	C009 306.08

Rosecroft Lane

LT = Only

Station	LT Cut	Rough Grade	Topoc Grade	Stake
		F05 6		F06 9
6+89 03		26.81	327.37	26.68
		F021		F0.23
6+55 03		326.31	325.52	325.29
		C018		F0 05
6+21 03		323.86	323.68	323.63
		F009		F0.26
5+87 03		321.75	321.84	321.58
		OMIT		C003
5+53 03		Brush	320.00	320.03
		3' back		F014
5+19 03		F017 318.03	318.15	318.01
		F027		F005
4+85 03		316.04	316.31	316.26
		F050		F051
4+51 03		313.97	314.47	313.96
		F0.41		F062
4+17 03		312.21	312.62	312.00
(10 Parts of F34)				
EVC		C020		F006
3+83 03 =		310.98	310.78	310.72

Cont

LT = 54

℄ Grade	Rough grade	Topoc Grade	curb Stake
	C129		C0.47
	328.66	327.37	327.84
	3' back C059		C020
	326.11	325.52	25.72
	4' 5' back C0.51		F008
	324.19	323.68	323.60
	F0.73		F0.67
	321.11	321.84	321.17
	C146		F009
	321.46	320.00	319.91
	C141		C012
	319.56	318.15	318.27
	C009		F031
	316.40	316.31	316.00
	C013		C0.36
	314.60	314.47	314.83
	C006 grade		F007
	312.68	312.62	312.55
	F0.32		F0.24
	310.46	310.78	310.54

Pave Rosecroft

Lt = Wly

Wly 'x' on rim SMH = 331.45

Station Wly RR Sill or gate	Lt Gut	Rough grade	Top ck grade	Curb stake
		C0.7		C0.59
8+62.97 =		331.8	331.35	331.94
CB Inc		Due to Brkt		C0 5.6
8+52.97 =		omit	331.50	332.06
		2' back C0 5.2		C0 4.7
8+43.03		332.12	331.60	332.07
		C0 4.6		C0 2.5
8+23.03		332.17	331.71	331.96
		C0 6.8		C0 1.4
8+03.03		332.33	331.65	331.79
		F0 4.1		F0 3.1
7+83.03		330.98	331.39	331.08
		F0 4.0		F0.4.3
7+63.03		330.50	330.90	330.47
		F0 4.5		F0 5.9
7+43.03		329.72	330.17	329.58
B.V.C.		F0 5.9		F0 7.1
7+23.03 =		328.62	329.21	328.50

7+03.4 : SL # 1 RT or SJ

Lane Cout

Rt = Sly.

℄ grade	Lt Gut	Rough grade	Top ck grade	Curb stake	Rt Gut
		C0 4.6		C0 9.9	
331.58		32.96	332.15	333.14	
		C1.2		C0 6.7	
331.63		33.2	332.00	332.67	
		C1.2.2		C0 9.1	
		33.12	331.90	332.81	
		C1.3.5		C0 7.4	
		333.15	331.80	332.54	
		C1.25		C0 4.0	
		32.90	331.65	332.05	
		C0 6.7		C0 0.8	
		332.06	331.39	331.47	
		C0 3.2		F0 0.6	
		331.22	330.90	330.84	
		C0.26		C0.15	
		330.43	330.17	30.32	
		C0 1.0		C0 0.9	
		329.31	329.21	329.30	
			IE	C5.8	
			323.10	328.91	

Pave Oliphant St. Dwg # 6114-13 LT = SWLy — Ever Green To 110' NWLy. — INO # 62472 - Feb 19, 57 — 38

LL-C-20 INO # 27693. — RT = NELy — BM = LRT 35' ELy of & Oliphant INTopct curb Evergreen = 84.33

Station	LT. Gut	Rough grade	Top C6 Grade	Curb Stk	Rough grade	Top C6 Grade	C6. Stk	RT Gut
		Grade Lowered at 1+10						
		1' Per EFG.						
		1+10 = -1.10						
		0+76 = 0.67		Void	See Page 59			
		0+42 = 0.33						
		0+08 = 0.00						
		C/ 2'			C 4"			
Project 1+10 = End		~~C0 77~~ ~~113.81~~ 114.81	114.10 ~~115.10~~		~~C3 11~~ 119.21	115.10 ~~116.10~~		
		C 2 4			C 3 7			
0+76		~~C1 58~~ 106.48	104.23 ~~104.90~~		~~C3 40~~ 109.00	105.23 ~~105.90~~		
		C 2 14			C 0 74			
0+42		~~C1 8~~ 96.51	94.47 ~~94.70~~		~~C0 41~~ 96.11	95.47 ~~95.70~~		
20' ch Rt Oliphant		C-3.38			C 4.00			
0+08 = ch BC		87.88	84.50		89.50	85.50		
2/3 Rct		C5.82 87.22	81.40		C 4.88 88.88	84.00		
1/3 ch Rct		C6.30 85.38	79.08		C 4 1 87.91	83.80		
= C6 BC								
R Evergreen 0+00 = NWLy		INTect (77.59)	BC EG. 77.27		INTect (84.33)	BC. Evergr. 84.04		

Stake Paving Torrence ST.
Feb 20, 57 - W.O. # 31711 - DWG 12389-L
LT = SWLY

Keating ST NWLY for 200'.
allen
RT = NELY

Station	LT 90T	Rough grade	Top Cb grade	Cb Stk		Rough grade	Topob grade	Curb Stk	RT 90T
26.00131% grade			See Page 55.		For Sewer & Water Services				
			See Page 58	For New	Sewer Main				
Project 2+00 = end		215.87	C1.73 214.14	F0.17 213.97		C.76 1 222.75	215.14	F0.02 215.12	
(31.56)									
1+68 44		F1.99 203.93	205.92	C0.14 206.06		CH 31 211.23	206.92	C0.14 207.06	
(31.57)									
1+36 87		F2.41 195.31	197.72	C0.16 197.88		C 37 1 202.43	198.72	C0.10 198.82	
(31.57)									
1+05 30		F4.40 185.11	189.51	F0.09 189.42		C 37 9 194.30	190.51	C0.05 190.56	
(31.57)									
0+73 73		F2.81 178.49	181.30	C0.03 181.33		C 50 4 187.34	182.30	C0.40 182.70	
(31.57)									
0+42 16	RC = 11 back PL	F3.87 169.23	173.10	C0.06 173.16		C 54 7 179.77	174.10	C0.53 174.63	
(31.57)									
P.C. R = 21.77 0+10 59 = CB		F0.15 164.74	164.89	C0.13 165.02		C 91 6 175.05	165.89	C0.29 166.18	
PL Keating 0+00 = NWLy			162.03	162.49	C0.46	2' BK. 11.06	164.64	164.77	C0.13
			160.91	161.04	C0.13	4' BK. 4.30	164.58	170.44 C	5.86

Pave 9 Alley 208, Mission Blvd
LT = Nly

Station	Nly edge Pave	Stake
℄ Bayside Lane 1+76.12 = Nly	- 1.13	
1+55.98	⊡ 0.75 back - 1.03	- 0.80 C0.23
1+35.84	- 0.93	C0.43 - 0.56
1+15.70	Noiv 0.32 IN Pave - 0.82	C0.65 - 0.17
0+95.56	'X' ON Line Pave - 0.72	F0.05 - 0.77
0+75.42	Nail 0.35 IN Pave - 0.61	+0.38 - C0.99
0+55.28	Nail 0.04 IN Pave - 0.51	C0.91 +0.40
0+35.14	'X' 1' bk - 0.40	+0.15 - C0.55
0+15 C17.72 ℄	- 0.30	Nail 1' back +1.12 - C1.42
Mission Blvd - 0+00 = Ely ℄	- 0.72	Meet

Feb 28, 1957 - W.O.# 32628
SEE DWG 3605-D - L.L. B15 - RT = Sly -
Paved 15.50 wide - 16' Alley -

℄	Sly edge Pave	Sly edge Pave	Stake
		- 1.16	
		- 1.06	C0.51 - 0.55
		- 0.95	C0.38 - 0.57
		- 0.84	⊡ 1.75 back - 0.80 C0.04
		- 0.73	C0.11 - 0.62
		- 0.63	C0.20 - 0.43
		- 0.52	C0.23 - 0.29
		- 0.41	PK . 20 bk +0.07 - C0.48
- 0.60		C0.68 To ℄ - 0.30	PK . 21' bk C0.38 +0.08
- 0.74	Meet	- 0.82	

40

Pave ALLEY 209. Mission Rock
LT = NLy.

Station	LT edge Pave	stake
Stay out of Garage		
This alley Shortened 1' IN order to		
alley 0+53.28 = Ely end		
alley 0+54.28 = end	2nd back -0.80	F 00 1 -0.81
0+36.18	Nail 0.496K -0.92	C 06 5 -0.27
0+18.09	Nail 1.04 IN Pave -1.04	C 03 1 -0.73
Bayside Lane 0+00 = Ely Rt	-1.16	

WO # 32628: Dwg # 3605-D. 41
RT = Sly -

	RT edge Pave	stake
	2' back Nail IN Porch -0.80	C 08 9 +0.09
-0.80		
	-0.94	F 00 3 -0.97
	-1.08	C 0.35 -0.73
	-1.22	

Pave alley | Blk 213 - Mission Bch | WO #32628 - Dwg 3605-D | 42

LT = Nly | RT = Sly

Station	LT = Nly edge Pave	Stake		RT = Sly edge Pave	Stake	
Strand Way.						
0+53.33 = Wly ℄	6.16		6.20	X 1' back 6.18		
0+35.54	D 1' back 6.10	F 0.13 5.97		'X' 1' back 6.12	C 0.14 6.26	
0+17.77	'X' 2' SK 6.05	F 0.29 5.76		6.06	C 0.10 6.16	
Strand Way, The Wly Line of Lot = 53.33 - Wly of	6.00	F 0.55 5.45	6.00	'X' 2' back 6.00	C 0.34 6.34	C 0.34 to ℄

Stake alley 2 12 — See Pg 42

LT = NLy

LT = NLy

DWG 36.05 - D

RT = SLy.

RT = SLy.

Station	edge Pave	stake		edge Pave	stake	
Mission Blvd						
NLy ℄						
0+99 72 E	0.34		0.15	0.34		
0+80	2.00	FO62 1.38		'X' 1' back 2.00	CO67 2.67	
0+55	3.50	CO04 3.54		'X' 1' back 3.50	FO45 3.05	
0+30 CO66 TOK	Nail 0.7 back 5.00	CO36 To Pave 5.36	4.70	5.00	FO43 4.57	FO13 to ℄
Strandway -						
0+00 = ELy ℄	6.12			6.10		

Stake alley 211 - Mission Bch.

LT = NLy; LT = NLy

Same as page 42 et al.

RT = SLy

RT = SLy

Station	edge pave	stake		edge pave	stake	
Bayside Lane = NLy Rt						
1+73.65	-1.00	Meet	-1.10	-1.00	Meet	
1+48 92	-0.76	CO 35 -0 41		M l'back -0.76	Fo 14 -0 90	
1+24 19	-0.52	CO 17 -0.35		-0.52	-0 67 } Fo 15	
0+99 46	-0.28	Fo 06 -034		-0.28	Fo 12 -0 40	
0+74 73	'X' l'back -0.04	CO 41 +0.37		-0.04	M l'back CO 0.32 +0.28	
0+50 Fo 01 to 2	'X' l'back +0.20	Fo 11 0.27	0.10	+0.20	CO 33 +05 3	CO 43 To 2
0+25 C1 58 2	-0.27	C1 46 1.19	-0.39	-0.27	CO 31 Pave 0.04	CO 43 To 2
Mission Blvd - 0+00 = ELy Rt	-0.73		-0.69	-0.74		

Stake Galley Blk 210 Mission Bch - Dwg 3605-D

Station	LT = NLy ∠ LT = NLy edge Pave	Stake	℄ grade	RT = SLy RT = SLy edge Pave	Stake	
Set 'X' on Ely edge Pavement Bayside Lane + ℄ Galley Blk 210						
end Project						
0+54.28 =	'X' 2' back +0.20	+0.11 F0.09	+0.20	+0.20 'X' 1 back	F0.21	
0+46.28	Not Set +0.14			+0.14 'X' 1 back	-0.07 C0.01	
0+30	F0.02 To ℄ 0.00	F0.12 -0.12	-0.10	0.00	+0.01	C0.11 To ℄
Bayside Lane 0+00 = Ely ℄	-0.95			-0.92		

Bch - Dwg 3606-D - WO 32628 - 46
March 4, 1957

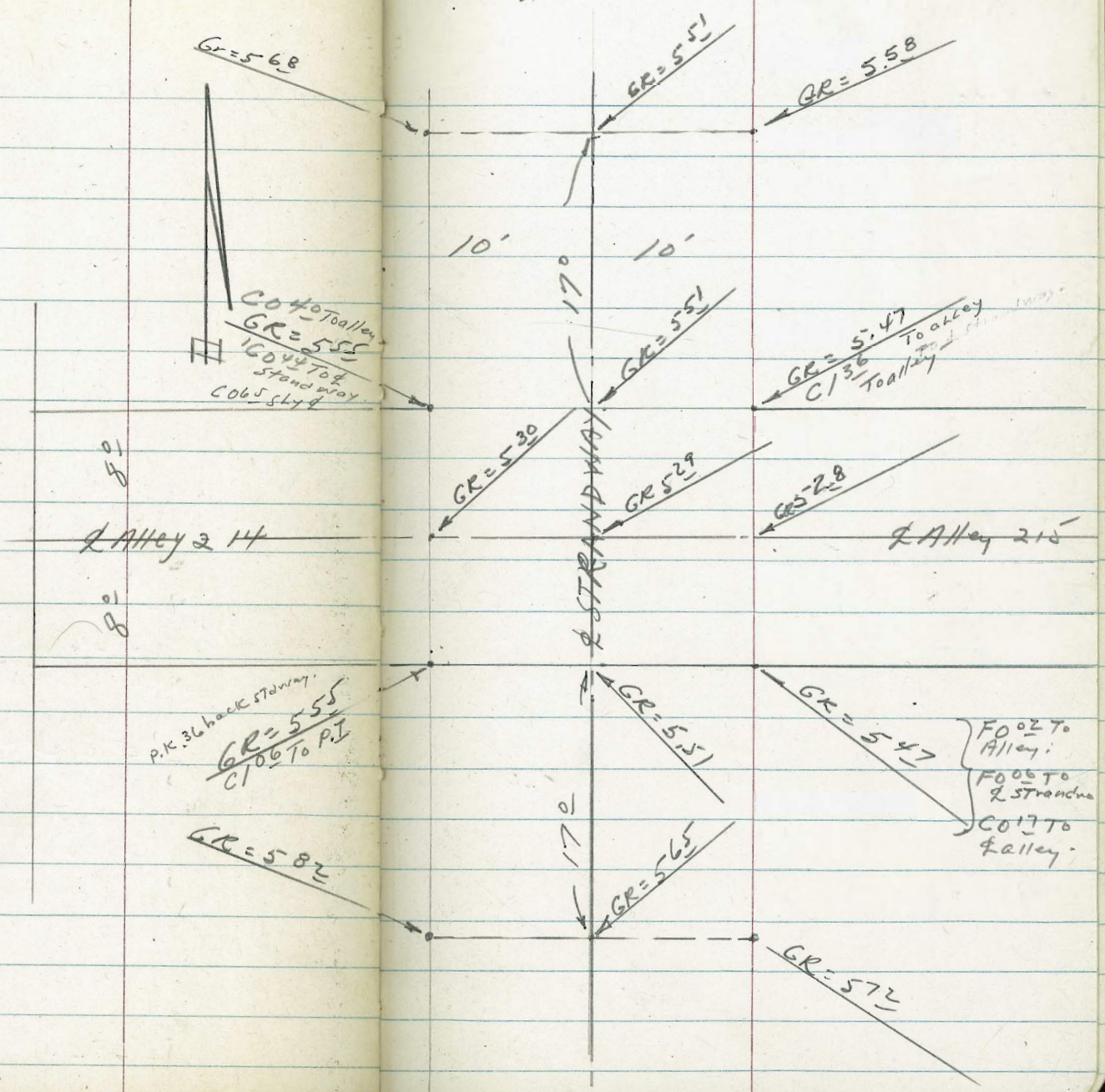
Stake	Alley Block 214, Missoula LT = NLy	
	LT edge Pave	Stake
Of Strand Way -		
0+53.27 = NLy	5.55	C0.40 5.95
0+33.63	☐ 1" back 5.62	C0.38 6.00
0+14.63	☐ 1" back 5.70	C0.28 5.98
1 Way - NLy of Strand -		
53.27 NLy of The Alley 214 -	'X' 1" back	C0.03
0+00 = NLy End	5.60	5.63

	RT = Sly.	
	Sly edge Pave	Stake
	5.55	
	'X' on Line 5.62	C0.96 6.58
	Nail 0.90 bk 5.70	C0.52 6.22
	Nail 2.26 bk 5.60	C0.62 6.22

Pave a portion of Strandway at alleys & 14th & 21st

47

Dwg 3606-D



Stake Gilley Block 215, Mission

Beach Dwg 3606-D.

Station	LT = NLy edge Pave		℄	RT = SLy edge Pave	Stake
				RT = SLy	
℞ Mission Blvd					
0+92 6/6 = WLy	0.15		0.23	0.26	
0+77 6/6	1.25	FO 1/5 e.p. 1.10 CO 2/0 to ℄	0.90	☐ 1' back 1.25	FO 1/3 1.12
0+66 7/6	☐ 1' back 1.98	FO 1/0 1.88		'X' 1' back 1.98	CO 3/0 2.28
0+40 8/8	Nail 0 2/5 bk 3.70	C 1.50 5.20		3.70	FO 1/3 3.57
0+15	PK 0 2/5 back 5.42	C 0.70 6.12		Nail 0 2/8 back 5.42	C 1.70 7.12
STR NDWay -					
0+00 = ELy ℞	5.47	C 1.36 6.83 } P.K Nail	5.28	5.47	FOO 2/T. alley 5.45

Stake Alley Block 216, Mission Beach Proj 3606-D

LT = Nly

RT = Sly

Station	edge Pave	Stake	℄	edge Pave	Stake
Bayside Lane					
1+58.83 = Nly.	- 1.28		- 1.42	- 1.27	
1+34.08	Nail 0.29 back - 1.06	C 0.82 - 0.24		Nail 0.12 bk - 1.06	C 0.44 - 0.62
1+09.31	Nail 0.19 back - 0.84	C 1.16 0.32		'X' 0.09 in Alley - 0.84	F 0.08 - 0.92
0+89.34 = SL #1 LT	5.13 bk P.L. - 3.25	C 2.35 IE - 0.90			
0+84.54	Stob 2.13 bk - 0.63	F 0.19 - 0.82		Nail 0.13 bk - 0.63	C 0.45 - 0.18
0+79.34 W LT	5.13 bk PL - 0.58	F 0.24 TOEP - 0.82			
0+59.77	Stob 2.15 bk - 0.41	F 0.18 - 0.59		'X' 1.85 bk - 0.41	F 0.01 - 0.42
0+35	'X' 1.17 bk. - 0.20	F 0.10 - 0.30	- 0.55	'X' 2.83 bk. - 0.20	C 0.20 0.00
Mission Blvd.					
0+00 = Ely PL	- 0.78		- 0.79	- 0.85	

Stake Alley Block 217 — LT = N Ly

Mission Block — RT = S Ly.

Station	LT = N Ly edge Pave Grade	Stake		RT = S Ly edge Pave	Stake
Ely end alley.					
0+54 35 =	- 0.50	F 0.13 - 0.63	PLat Section	Nail in Head Board 2° bk - 0.50	C 0 47 - 0 03
0+36 22	Nail 10 back - 0.80	C 0.50 - 0 30		PK 0 25 bk - 0.75	F 0 03 - 0.78
0+18 11	Nail 0.66 BK - 1.08	C 1 20 0.12		Nail 0 20 bk - 1.01	C 0 35 - 0 66
Strandway					
0+00 = Ely R	- 1.33			- 1.27	

Stake Alley 221 - Mission Beh — Dwg 3606-D — WO# 32628 — 51

LT = NLy — RT = SLy.

Station	LT edge Pave	Stake		SLy edge Pave Grade	Stake
Strandway -					
0+53 33 = WLy R	5.43	Meet		5.44	Meet
0+35 56	Nail 07 6 bk 5.62	C1.35 6.97		Nail 1.0 back 5.62	C05 9 6.21
0+17 78	5.81	F00 6 5.75		5.81	C033 6.14
Strandway - The WLy Line Alley 53 33 wly of + 0+00 = WLy end	6.00		6.00	6.00	F07 0 5.30

Pave Alley Block 220

LT = NLy

Mission Beach - WO H3262_8 S2

See page 51.

RT = SLy

	NLy edge Pavement Grade	Stake	℄	SLy edge Pave Gr	Stake	
℄ Mission Blvd -						
0+93 93 = NLy	0.25	Meet		0.27	Meet	
0+79 93	-0.62 bk - Nail 1.11	Q 1.52 2,63	0.91	1' 1' back 1.11	C0.03 1.14	
0+56 62	Stub 1' back 2.54	F0 1.0 2,44		Stub 1' bk 2.54	F0.39 2.15	
0+33 31	Nail 0.71 back 3.97	C0 3.3 4.30		'X' 0.50 bk 3.97	C0.36 4.33	
0+10	Nail 0.95 back 5.40	C0.48 5.88	5.20	5.40	C0.21 5.61	C0.41 TO ℄ Alley -
STRANDWAY - 0+00 = ELy ℄	5.28			5.30		

Pave ALLEY 219 - Mission Blvd

See Pages 52 + etal -

Station	LT = NLy NLy edge Alley grade	Stake	d grade	RT = SLy SLy edge Pave Grade	Stake	
P.L. Bayside Lane						
1+37 20 = NLy	-1.60		-1.72	-1.54		
1+29 = S.L. #2 RT				-3.80	C31 2 IE -0.68	
1+19 (w) RT				-1.34	C026 e.p. -1.08	
1+10 40	⊡ 1' back -1.30	C028 -1.02		Nail 0.44 bk -1.25	C135 +0 10	
0+83.60	⊡ 1' back -1.00	C007 -0.93		0.67 bk Nail -0.97	C020 -0.77	
0+56 80	'X' 1' back -0.70	C017 -0.53		Stub 1' bk -0.68	F0.34 -1.02	
0+30	-0.40	F0.14 -0.54	-0.55	-0.40	C022 -0.18	C037 To Alley
Mission Blvd. 0+06 : Ely R	-0.73			-0.72		

Pave Alley Block 218 — Mission Beach

LT = NLy — RT = SLy.

Station	LT = NLy edge Pave	Stake	℄	RT = SLy Pave Grade	Stakes
0+53 71	Nail 1' back −1.00	C1 40 +0 40	−1.00	⊡ 1' back −1.00	C0 08 −0 92
0+38 80	⊡ 1' back −1.21	C0 16 −10 5		Nail 0.31 BK −1.19	C0 76 −0.43
0+17 90	Nail 0.62 back −1.42	C0.35 −1.07		⊡ 1' back −1.38	C0.21 −1.17
Bayside Lane 0+00 = Ely R	−1.62.	Meet		−1.56	Meet

Sewers + Water Services –

TORRENCE ST between Keating + Pringle – DWG 12389-L – March 8, 57 W.O. # 31711

55

Station	Water elevs = Top curb / Sewer elevs = IE at Prop line	Stake
1+95 (W) LT	212.84	C0 10 212.94
1+80 # 1 LT	204.18	C3 97 208.15
1+70 (W) RT	207.33	C0 30 207.63
1+55 # 4 RT	198.68	C8 49 207.17
1+45 (W) LT	199.83	C0 10 199.93
1+30 # 2 LT	191.18	C2 20 193.38
1+20 (W) RT	194.33	C0 13 194.46
1+05 = SL # 5 RT	185.69	C8 54 194.23
0+80 = (W) LT	182.93	C0 07 183.00
0+66 = (W) RT	180.30	C0 51 180.81
0+55 = SL # 3 LT	171.68	C3 91 172.59

0+25 = Plug – {214.18 / 206.28} C-7.90

0+00 = 1+75 = Make Connection – 207.84 – 200.10 } C-7.74

25'

NLy of the NLy Line Keating ST for extend Sewer main from plug at 175'

Pave alley Block 2 Oceanic Front — From Bayard To Cass + Between Chalcedony + Missouri — 5-6

W.O.# 31825 - L.L. B-14 - Dwg 3836-D. — March 18, 57 — BM = on P.K. of T-07 Elev = 48.00

Station	LT = Nly	LT = Nly edge Pave grade Nail 0.5 Back	Stake	℄	RT = Sly	RT = Sly edge pave grade	Stake	
			C1.19				C0.20	
2+23		52.29	53.48			51.99	52.19	
		Nail 0.6 Y back	C-1.19			▣ 1' back	C0.17	
2+04		52.08	53.27			51.78	51.95	
			C0.42				F0.13	
1+76		51.88	52.30			51.58	51.45	
			C0.16			Nail 1.37 back	C0.98	
1+48		51.67	51.83			51.37	52.35	
(10 Parts of 28.00)								
			C0.01			▣ 1' back	C0.34	
1+20 = EVC		51.46	51.47			51.16	51.50	
			C0.10			1' back ▣	C0.01	
1+00		51.20	51.30			50.85	50.86	
			C0.19			1' back ▣	F0.16	
0+80 = BVC		50.75	50.94			50.45	50.29	
			C1.03				C0.18	
0+50		49.88	50.91			49.60	49.78	
			C1.08				C0.76	C1.02 To ℄
0+20		49.03	50.11		9.52 48.50 1.02	48.76	49.52	
℄ Bayard - 0+00 = ELy		48.46			48.12	48.20		

Pave alley Block 2, Ocean Front

LT = Nly

LT = Nly edge

Station	Pave Grade	Stake
PC CASS ST		
5+00.88 = wly	56.30	
4+80.86	55.66	FO 1.8 55.48
4+40 = EVC	Nail 0.37 back 54.35	C 1.16 55.51
4+20	Nail 0.38 back 53.82	C 1.28 55.10
4+00 = BVC	0.50 back 53.54 (hedge)	CO 6.0 54.14
3+72 =	53.33	CO 7.5 54.08
3+44	Nail 0.88 Back 53.12	C 1.42 54.54
3+16	Nail 0.76 Back 52.92	C 1.34 54.26
2+88	52.71	CO 3.9 53.10
2+60	52.50	CO 8.4 53.34

Cont

RT = Sly.

℄ grade	RT = Sly edge Pave grade	Stake	
	56.00		
55.10	'X' 2' back 55.36	FO 2.8 55.08	FO 2 + 0.4
	54.05	CO 2.0 54.25	
	53.52	CO. 41 53.93	
	53.24	CO. 07 53.31	
	53.03	FO 0.1 53.02	
	52.82	CO. 13 52.95	
	PK Nail 0.67 bk 52.62	C-1.40 54.02	
	Nail 0.20 back 52.41	C-1.66 54.07	
	Nail 0.34 back 52.20	CO 8.9 53.09	

57

Sewer Main in TORRENCE ST Between Keating & Pringle DTS
See DWG 132 70-L-W O# 31711-
Staked 5' Ely of ℄ Main.
March 19, 57

Station	IE Sewer	Stake
0+50 = EVC	162.71	C5.87 168.58
0+45	161.54	C5.77 167.31
0+40	160.50	C5.67 166.17
0+35	159.58	C5.36 164.94
0+30	158.79	C4.99 163.78
0+25	158.13	C4.70 162.83
0+20	157.59	C4.61 162.20
0+15	157.19	C4.96 162.15
0+10 = BVC	156.91	C5.11 162.02
Torrence MH ℄ Keating & 0+00 = ℄ Existing	156.61	C5.09 161.70

Station	I.E. Sewer	Stake
2+25	208.21	C6.00 214.21
2+00	201.71	C6.20 207.91
1+75	195.21	C6.00 201.21
1+50	188.71	C5.86 194.57
1+25	182.21	C5.95 188.16
1+00	175.71	C6.07 181.78
0+75	169.21	C6.04 175.25

Pave Oliphant ST
March 30, 1957 - W/O # 62472

Sec 6114 X-B.

59

Station	LT Out	Rough grade	Top Cb grade	Curb Stk
		Void	see	
Project C/l to = End		C3.71 115.81	112.10	
0+76		C3.58 106.48	102.90	
0+42		C2.81 96.51	93.70	
Ec. 20' Rad 0+08 = Cb		C3.38 87.88	84.50	
2/3 Cb Ret			81.40	
1/3 Cb Ret			79.08	
= Cb 13 C				
R Evergreen 0+00 = Nwly			77.27	

	Rough grade	Top Cb grade	Curb Stk
	Page 60		
	C6 11 119.21	113.10	
	C5 10 109.00	103.90	
	C1.41 96.11	94.70	
	C4 00 89.50	85.50	

Pave Oliphant — ST
See page 59 & page 38
LT = Swly

Station	LT OUT	Rough grade	Topcb grade	Curb stk
Project		C32½		C04½
1+10 = end		115.81	112.60	113.02
		C32½		F06½
0+76		106.48	103.23	102.54
		C26½		F1.16
0+42		96.51	93.86	92.70
		C33½		F07½
0+08 = ℄ BC		87.88	84.80	83.71
				C02½
⅔ cb ket			81.40	81.69
⅓ cb ket			79.08	C10½
				80.17
℞ EVERGreen			B.C.	
0+00 = NWly			77.27	

April 3, 57 — No# 62472 — 60
RT = NELy

Rough grade	Topcb grade	Cb stk
C5.61		C01½
119.21	113.60	113.71
C4.77		C01½
109.00	104.23	104.42
C1.25		C00½
96.11	94.86	94.90
C4.06		F05½
89.50	85.80	84.95
		F05½
	84.00	83.43
	83.80	C03½
		84.16
	B.C. Evers-	GS BM.
	84.04	Not Used

Stake W.O.# 3272	Alley Blk 18, North 6 - April 8, 87 LT = NLy	
Station	edge Pave grade	Stake
	Nail 0.74 bk	C 1.18
1+80 = EVC	122.89	124.07
	Nail 0.76 blk	C 0.79
1+60	122.54	123.33
	Nail 0.75 blk	C 0.57
1+40 = BVC	122.08	122.65
	Nail 0.55 bk	C 0.65
1+10	121.31	121.96
		C 0.78
0+80	120.54	121.32
NLy -		C 0.09
0+65 = SL #1	IE = 115.0	121.09
		C 0.67
0+50	119.77	120.44
	X' l' back	C 0.89
0+30	118.81	119.70
	X' 1.20 blk	C 3.01
0+10 C 3.53 to ℄	116.23	119.24
EVER+S ST		
0+00 = ELy ℄	114.73	(Meet)

Shore Highland Dwg # 12930-L RT = Sly		- B-13	61
℄ grade	edge Pave grade	Stake	
	Nail 0.47 blk	C 1.38	
	122.59	123.97	
	Stub l' back	C 0.04	
	122.24	122.28	
	Stub l' back	F 0.24	
	121.78	121.54	
	Stub l blk	F 0.03	
	121.01	120.98	
	Stub l' blk	C 0.11	
	120.24	120.35	
	Stub l' back	F 0.14	
	119.47	119.33	
	▣ l' back	C 0.36	
	118.34	118.70	
	l' back	C 1.49	
118.71	115.99	117.48	C 1.77 to ℄
	114.50	Meet	

Pave alley North Shores Highland Cont

Station	LT = Nly edge Pave grade	LT = Nly stake	Rt = Sly grade	Rt = Sly edge Pave grade	Rt = Sly stake
4+30 = BVC	Nail 1.13 back 128.06	C 1.94 130.00		'X' 2' back 127.76	C 0.01 127.77
3+95	Nail 0.50 back 126.95	C 1.46 128.41		126.65	F 0.51 126.14
3+60 = EVC	Nail 0.51 blk 125.84	C 1.59 127.43		125.54	F 0.90 124.64
3+40	125.29	C 0.68 125.97		Stub 1.75 blk 124.99	F 0.19 124.80
3+20 = BVC	Nail 0.71 Back 124.91	C 0.59 125.50		'X' 1' back 124.61	C 3.30 127.91
2+92	124.50	C 0.59 125.09		Nail 0.85 blk 124.20	C 0.17 124.37
2+64	Nail 0.65 Back 124.10	C 0.68 124.78		Nail 0.46 Back 123.80	C 0.92 124.72
2+36	123.69	C 0.25 123.94		Nail 0.37 Back 123.39	C 0.45 123.84
2+08	123.29	C 0.42 123.71		Nail 0.45 blk 122.99	C 0.92 123.91

Pave alley | Blk 18, N. Shores Hiland

LT = NLy | Cont RT = SLy

Station	edge Pave grade	stake	℄ grade	edge Pave grade	stake	
℄ Fanuel St.						
4+99.22 = WLy	129.38	Gutter Meet		129.05	Meet	
4+89.22 C/64 tot	Nail 1⅛ bk 129.24	C 1.08 130.32	128.68	PK 03⅜ bk 128.91	C 1.21 130.12	C/44 to ℄
4+70 = EVC	Nail 1⅝ bk 128.97	C 1.45 130.42		PK 04⅜ bk 128.66	C 0.90 129.56	
4+50	Nail 1⅝ bk 128.61	C 2.01 130.62		'X' 2' back 128.30	FO 13 128.17	

Pave Valle — Ave. 31ST to 32ND — W/O # 32283 - Dwg 3604-D — 64

April 12, 57 — Allen, Powell, Scanlon — Loose Leaf I-22

LT = Nly — RT = Sly

Station	LT Out	Rough Grade	Top Curb Grade	Curb Stake	℄	Rough grade	Top curb grade	Curb stake	RT Out
1+20		F1.75 41.69	43.44	F0.25 43.19		F1.56 41.38	42.94	F0.16 42.78	
1+00		F0.62 41.14	41.76	F0.33 41.43		10' back ℄ F1.05 40.21	41.26	F0.18 41.08	
0+80 = (W) LT			40.50	F0.31 40.19					
0+80		C0.50 41.00	40.50	F0.56 39.94		F2.10 37.90	40.00	F0.21 39.79	
0+60 = BVC		C1.80 41.34	39.54	F0.26 39.28		3' back 34.6 - F4.2	39.04	F0.16 38.88	
0+30 (W) LT			38.45	F0.14 38.31					
0+30 = EVC		C2.59 41.04	38.45	F0.28 38.17		C0.54 38.48	37.94	F0.26 37.68	
0+20			38.21	F0.28 37.93			37.58	F0.05 37.53	
20' Cb Rad 0+10 = BC		C1.35 39.55	38.20	F0.34 37.86		F0.1 37.1	37.22	F0.09 37.13	
31ST 0+00 = Ely ℄			38.36				36.90		

Pave Valle ST

LT = N Cy

Station	LT Cut	Rough Grade	Top Cb Grade	Curb Stk	1/4
		C2 34		F0 21	
3+30		63.58	61.24	61.03	
		C2 23		F0 14	
3+10		62.93	60.70	60.55	
		C2 41		F0 17	
2+90		62.28	59.87	59.70	
		C1 51		F0.26	
2+70		60.22	58.71	58.48	
		C2 20		F0 57	
2+50		59.45	57.25	56.68	
		C3 34		F0 27	
2+30		58.81	55.47	55.20	
		C2 34		F0 06	
12 VC 2+10 =		55.72	53.38	53.32	
				F0 08	
1+95 W LT			51.69	51.61	
		C1.36		F0 23	
1+75		50.80	49.44	49.21	
				F0 13	
1+45 W LT			46.06	45.93	
		F2 85		F0 14	
1+40 End		42.65	45.50	45.36	

Cont

RT = Sly

6 S

℄ grade	1/4	Rough grade	Top Cb grade	Curb Stk	RT Cut
		F0.46		F0 25	
		60.28	60.74	60.49	
		F0 50		F0 24	
		59.70	60.20	59.96	
		F0.50		F0 35	
		58.87	59.37	59.02	
		C0 10		F0 56	
		58.31	58.21	57.65	
		C0 28		F0 25	
		57.03	56.75	56.50	
		C1 65		F0 09	
		56.62	54.97	54.88	
		C2 71		C0 12	
		55.59	52.88	53.00	
		C2 99		F0 30	
		51.93	48.94	48.64	
		C3 60		F0 31	
		48.60	45.00	44.69	

Pave VALLE — ST — Cont — 66

LT = W Ly — RT = S/y

Station	LT out	Rough grade	Top of Cb grade	Curb stake	1/4	℄ grade	1/4	Rough grade	Top of Cb Grade	Cb stk	RT out
W Ly R 32 No 6+00.97 =			55.02						53.52		
5+80.97										F0.47	
									54.63	54.16	
5+90.97			55.30	F0.45 54.85					54.07		
5+60.97 RT										F0.44	
									55.58	55.14	
5+58 = LT only		3' back ℄ C3.79 60.00	56.21	F0.36 55.85				C0.99 56.57			
RT only 5+40.97									56.21	F0.29 55.92	
5+16		C3.66 61.06	57.40	F0.27 57.13				C0.30 57.20	56.90	F0.39 56.51	
4+74		C2.30 60.88	58.58	F0.27 58.31				C0.38 58.46	58.08	F0.26 57.82	
OUT per Fld. 4+70 W LT			58.69								
4+32		C1.19 60.96	59.77 ST	F0.38 59.39				C0.34 59.61	59.27	F0.32 58.95	
3+90 = EVC		C1.35 62.30	60.95	F0.28 60.67				C0.40 60.85	60.45	F0.33 60.12	
3+70		C2.21 63.57	61.36	F0.34 61.02				4' back C0.43 61.29	60.86	F0.48 60.38	
3+50		C2.13 63.59	61.46	F0.27 61.19				C0.37 61.33	60.96	F0.33 60.63	

Stake	Driveway @ 3515 Drive 11.5 wide Grade of LT = N Lyedge of Drive	Stake	Princeton Ave No Plans Grade of RT = S lyedge	Stake
Station				
of Garage 0+26.7 = Floor	82.84	Meet	Meet 82.89	Meet
0+23.3	82.35	83.30 - CO 9.5	X on 82.40	82.77 - CO 3.7
0+20	81.55	82.91 - C1 3.6	81.50	82.45 - CO 9.5
0+16	80.50	82.65 - C2 1.5	80.18	81.84 - C1 6.9
0+12	79.40	82.21 - C2 8.1	78.75	81.78 - C3 0.3
0+08.5	78.50	80.61 - C2 1.1	77.80	79.77 - C1 9.7
0+05	78.00	78.79 - CO 7.9	77.20	77.42 - CO 2.2
Princeton Ave of Ely curb 0+00 = Face	77.62	Meet	76.75	Meet

Sewer Main in Payne & Greeley
April 30, 57 - Inv # 32741

Station	IE Elev	Stake
2+00	2.41	C4 83 7.24
1+75	2.31	C4.46 6.77
1+50	2.21	C4.78 6.99
1+25	2.11	C5 00 7.11
1+00	2.01	C4.67 6.68
0+75	1.91	C5 09 7.00
0+70 = end en case		
0+50	1.81	C2 33 4.14
0+25	1.71	C2 10 3.81
0+20 = Begin encase + Payne ST = MH#1 & of Greeley 325.70' S'ly of the		
0+00 = ℄ 8" VC	1.61	C4.99 6.60

ST S. Dwg 12997-L

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Station	IE	Stake
0+80 = Plug	3.23	9.17 = C5 94
0+60	3.15	8.95 = C5 80
0+40	3.07	C5 71 8.78 = C5 71
0+20	2.99	9.01 - C6 02
Ely to Plug MH#2 to 0+00	2.91	8.99 - C6 08
Payne ST & Greeley & MH#2		
3+25 70 = ℄	2.91	C6 08 8.99
3+08 00 =	2.81	C5.66 8.47
2+75	2.71	C5 37 8.08
2+50	2.61	C5.14 7.75
2+25	2.51	C508 7.59

Sewers in Greeley + Payne Cont

Station	IE Sewer	Stake
0+65 = PLug	3.17	C570 8.87
0+40	3.07	C590 8.97
0+20	2.99	C625 9.24
going W/L + Payne & 2 IN. & Greeley		
0+00 = ℄ 1.1 MH#	2.91	

Pave alley Block 190, City Hts
May 1, 1957 - Allen, Sisson, Powell.

DWG 12876-L W.O.# 31804 - I-18 — 7°
BM - NWly BP. Wightman & Swift
RT. Ely.

Station	LT = Wly edge Pave	Stake	℄ grade	RT = ely edge pave	Stake
		C0.27			0+54 -
0+50 = EVC	314.55	14.82		314.85	on IT - due to
		C0 38		Nail 2.5° bk	
0+40	313.52	313.90		313.95	318.93 : C4 98
				Nail 1.47 bk	
0+30 = BVC	312.04	312.90 - C0 86		312.83	318.91 - C6 08
0+20	310.33	311.89 - C1 56	310.56	311.61	319.33 - C7 72
Landis					
0+00 = NLy ℄	306.90			309.16	

	Backs on stake Refer to edge of pavement	Elev of Staked	Elev ely edge Conc Pave	Elev ely Sub Grade	Elev Footing Wall	Elev of Top Wall
on Ely			C 3 35	C 3 77	C 4 60	C 2 52
0+54 = End wall	5' back ⊡	18.52	315.17	314.75	313.92	316.00
	Nail 2.5° back		C 4.98	C 5 40	C 6 23	C 2 93
0+40		318.93	313.95	313.53	312.70	316.00
			C 7.72	C 8 15	C 8 98	C 3 33
0+20	5.0° back ⊡	319.33	311.61	311.18	310.35	316.00
NLy ℄ Landis						
Wall on Ely +			C 4 78	C 5 20	C 6 03	C 0 28
0+00 = Begin	5.0° back ⊡	313.94	309.16	308.74	307.91	313.66

Pave alley 190

	LT = wly in'ly edge Pave Grade	Stake
		F137
3+20	336.57	35.20
	Stub 15° bk	F102
3+00 = BVC	335.08	34.06
	Nail 4.72 back	F008
2+60	331.90	31.82
	1.13 back Nail	C027
2+20	328.74	29.01
	Nail 1.71 bk	C019
1+80 = EVC	325.58	25.77
	Nail 1.26 bk	C018
1+60	323.94	24.12
	Nail 1.01 bk	
1+40 = BVC	322.18	322.15 - F003
	'X' 1' back	F034
1+10 = EVC	319.46	19.12
1+00	318.58	17.44 - F114
	15° back	F089
0+90 = BVC	317.75	316.86

City Wtr Cont

RT = ely

	edge Pave Grade	Stake
		C100
	336.87	37.87
	1'x'2'bk	
	335.36	36.59 = C123
	332.20	334.24 - C204
	1'x'2' back	
	329.04	31.87 - C283
	Nail 1.29 bk	
	325.88	28.68 = C280
		C066
	324.24	324.90
		C057
	322.48	323.05
	319.76	321.74 - C198
	318.88	321.32 - C244
	318.05	320.05 - C200

Pave alley Block 190 City Hts cont

Station Wightman-	LT = NWly edge Pave	Stake	℄ grade	RT = ely edge pave	Stake
6+00.19 = Sly R	344.19			345.43	
5+80	Nail 0.60 back 346.14	C201 48.15	345.89	stub in planter 346.44	C298 E.P. 49.42 – C343 RIE
5+60	Nail 0.51 back 346.63	C125 47.88		Nail 0.47 bk 346.93	49.20 – C227
5+40	Nail 0.25 Back 346.61	C052 47.13		Nail 0.45 Bk 346.91	47.97 – C126
5+20 = BVC	Nail 0.33 bk 346.07	C006 46.13		346.37	46.57 – C020
4+86.66	Nail 0.78 bk 344.76	C058 45.34		Nail 1.25 bk 345.06	46.43 – C137
4+53.33	343.46	F010 43.36		Nail 1.09 bk 343.76	45.14 – C138
4+20 = EVC	342.16	C055 42.71		Nail 0.85 bk 342.46	44.03 – C157
4+00	C212 from Ely side 341.31	omitted .5 in Pave		Nail 1.14 bk 341.61	43.43 – C182
3+80	340.32	C005 40.37		Nail 0.89 bk 340.62	42.20 – C158
3+60	Nail 0.57 back 339.20	F024 38.96		Nail 0.65 bk 339.50	41.34 – C184
3+40	Nail 0.55 Back 337.95	C023 38.18		338.25	38.83 – C058

Pave ALLEY S9, OCEAN BEACH — INO # 32652-51 10/5/57 - Dwg 3564-D73

ALLEN, BLUNT, Kelley, Wentworth — RT = NELy

Station	LT = SWLy edge Pave Grade	LT Stake	Grade	NELy edge Pave Grade	Stake
	Nail 0.15 in Pave	C-1.16			C026
2+50	12.40	13.56		12.40	12.66
		C048			C0.14
2+20	12.72	13.20		12.72	12.86
2+10 = SL # 2 LT	7.81	C564 13.40			
		C034			C044
1+90	13.03	13.37		13.03	13.47
		C095			C087
1+60	13.35	14.30		13.35	14.22
		C044			C0.23
1+30	13.66	14.10		13.66	13.89
		C034			C025
1+00 = EYC	13.98	14.32		13.98	14.23
	Nail 0.15 bk	C102			C0.25
0+80	14.23	15.25		14.23	14.48
		C051			C056
0+60 = BYC	14.52	15.03		14.52	15.08
0+45 = 5. LT # 1	9.85	C5.38 15.23			
		F002		1'x1'2" bk	C011
0+30	15.01	14.99		15.00	15.11
0+20 = ℄ in Ly Cable S1	15.51	C045 15.23	14.78 C046 15.24		
0+00 = NWly ℄	15.51	Nect		15.49	Nect

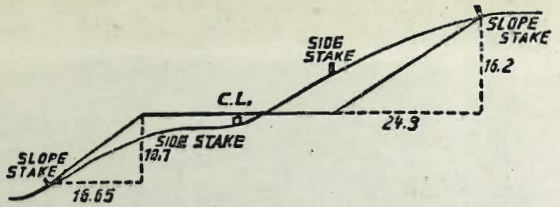
ALLEY 29

Ocean Beach Coast

Station	LT = SWLy LT = SWLy edge Conc Grade	stake	℄ grade	RT = NELy RT = NELy edge pave grade	stake
5+20	1' back 9.57	C059 10.76		1'2'6K 9.57	C048 10.05
4+90	9.88	C083 10.71		9.88	C051 10.39
4+80 = RT SL #3	5.			IE 5.62	C495 10.57
4+60	10.20	C057 10.77		10.20	C050 10.70
4+30	Nail 0.65 back 10.51	C087 11.38		5' back 10.51	C0.45 10.96
4+00	10.83	C026 11.09		10.83	C004 10.87
3+70	11.14	C015 11.29		11.14	C002 11.16
3+40	11.46	C006 11.52		Line only. 11.46	shrubs Line only
3+10	11.77	F002 11.75		Nail 0.28 in 11.77	C131 13.08
2+80	12.09	C0.27 12.36		12.09	C025 12.34

Pave Alley BLK 59, LT = SWly — Ocean Beach RT = NELy — Cont.

Station	LT = SWly edge Pave Grade	Stake	℄ grade	RT = NELy edge Pave Grade	Stake
Bacon.					
SELy ℞					
5+99.5 =	8.87			8.68	meet
5+80	PK Nail 0.4 ± 6 ± 9.01	C/24 / 10.25 } C1.69 + to ℄ IE	8.52	8.91	CO 3.3 / 9.24 } CO 6.9 ℄ IE
5+60	'X' 2' back on garage Floor 9.18	CO 2.3 9.38		9.15	CO 3.3 9.48
5+40	9.36	CO.21 9.27		D.H. 6 IE 9.36	CO 7.6 10.12



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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