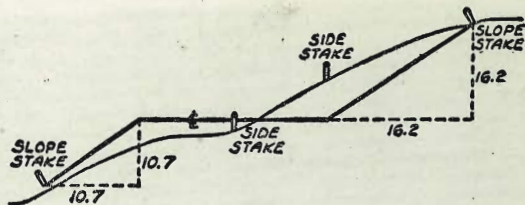


345
Grades



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.

MICROFILMED

APR 16 1965

Microfilm copy of the original document.

1710 = ch -

DIRECTIONS FOR USE OF TABLES

TABLE NO. XIV

Distance of slope stake from side or shoulder
stake for any width roadway, slope 1N to 1
If ground is level, the cut or fill at the
stake is found by the double entry method.

IMPROVED TABLES
AND
INFORMATION

cut length. If it does not make the right ad-
justment necessary.

TABLE NO. VIII

To find Tangent and External for curve of
any other degree, divide by degree of curve and
add correction found in column of corrections.
Degree of curve with a given T may be found
by dividing tangent (or external) by
given tangent (or external).

The distance from a point on the tangent to
the curve is very nearly the square of the tangent
length divided by twice the radius.

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	.79	.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	.032	.035	.039	.043	.047	.051	.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	.771	.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	.885	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

Index

Pave Quinsby St - Willow St sly 3
 51 ST sly of ORANGE
 Details of Conc slab over twin 48" pipes 5
 Bon Air ST Drain (also cont in Book) 6
 Services in Alley BIK 16 Lammersa Colony 10
 Bon Air Drain cont 16
 Pave Alley BIK 14, City Hts 20
 " " " 256 Pacific Beh 22
 " " " " Terrace 25
 Rough grades Events - Thomas to Grand 26
 Drain in Muirlands Terrace #2 25
 Drain - Rosecrans + Evergreen 26-27
 Pave 40th St - 'T' to Ocean View 29-32
 Drain - S. Chollas creek Bridge at 47th St
 To Peru St 34
 Pave La Dorada St - Montezuma Rd to N/4 36
 Drain Nully Cor Central + Landis 45
 Pave electric St - Colima to sly
 Replace curbs on E St between
 Kettner + India - sly side 49
 Pave 29th - Broadway to E St 50
 Pave E St - 28th to 29th 51
 Drains - 33rd + Ocean View + in } 55
 Webster - Bancroft sly to Channel }

INDEX

2

Rough Grades only
 Pave 53rd - Ed Catlin to Trajan 57
 w/ly curb of 7th Between
 K + L 33-

Pave Delta ST - 40th to 43rd 59.

Co-op drain at 43rd + Delta 65
 46th, Hilltop, Cst, Cotton
 Seweks Garden Grove 70-73

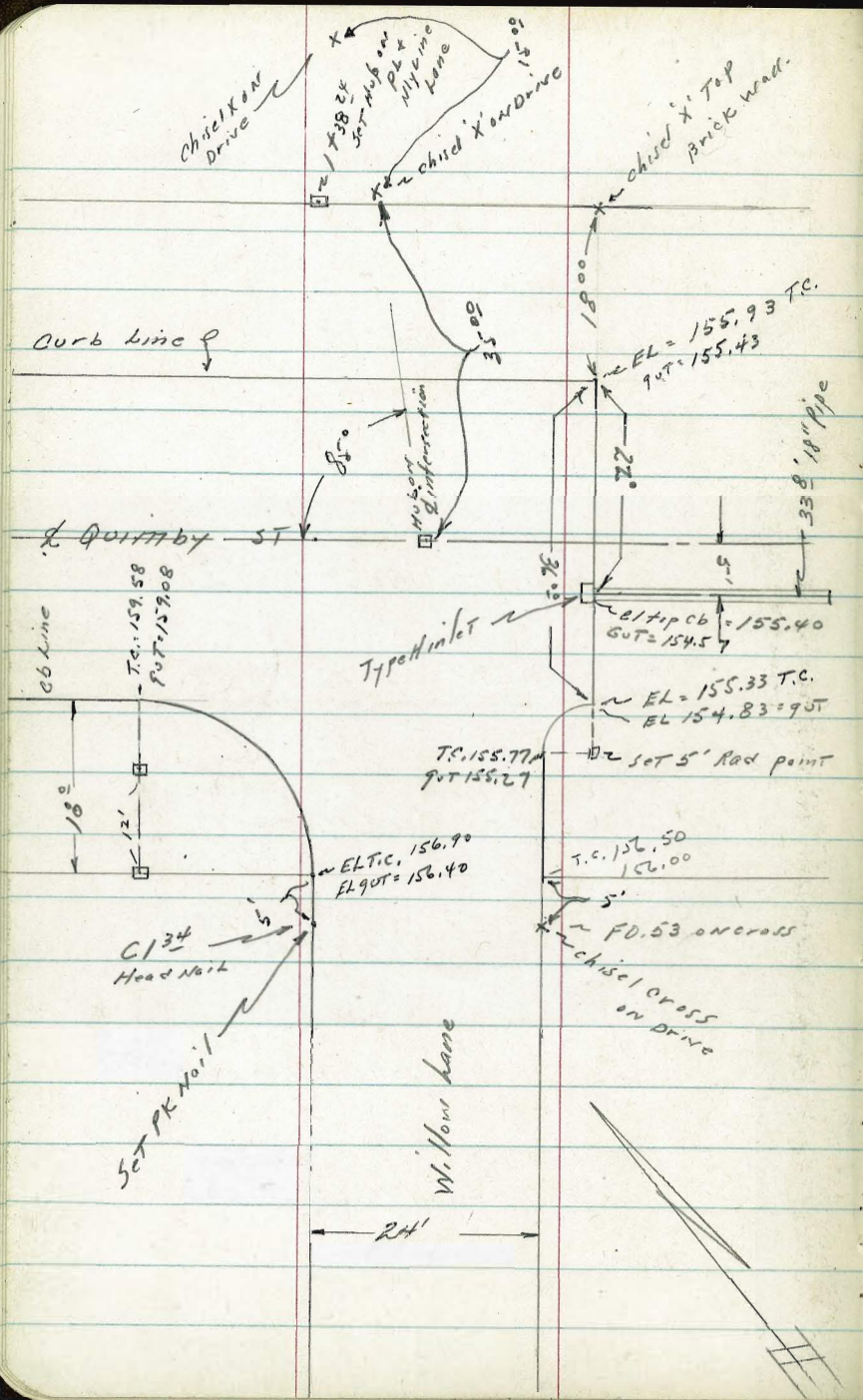
Pave Warrington ST - Voltaire to Odell 74

Pave 40th - Logan to National 75

Rough Grades on RT Staked 8 back edge grading
 Pave Quimby ST Willow ST to Sly
 1104 31349 - 3/10/55 - C. Allen, D. J. J. J., C. Powell.
 Dwg # 11347-L FB 2261.

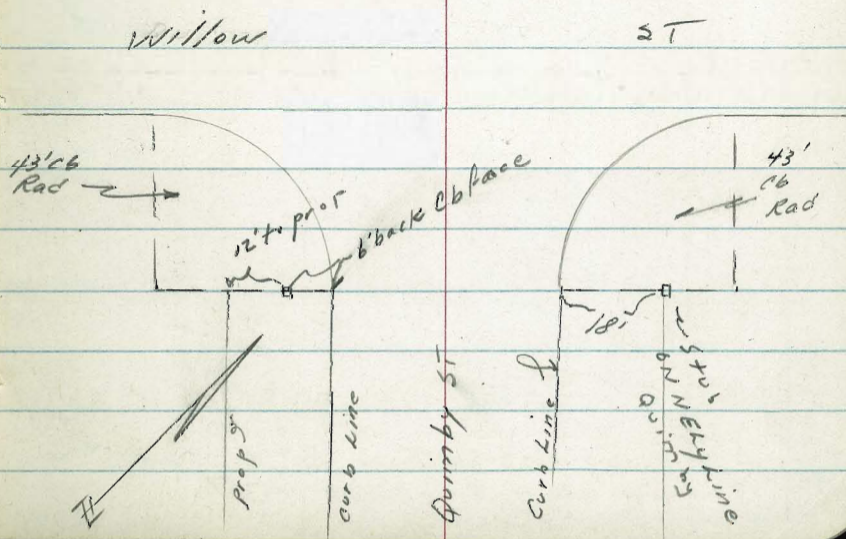
INDEXED
 Rough Grades on RT Staked 5 back edge grading 3
 RT = SWly -

Station	NELLY PUT	Rough Grade	Curb Grade	Curb Stake	NELLY 114	grade	Rough Grade	Curb Grade	Curb Stake	SWly gutter
5ly face 1467 ²⁴		159.57	155.93	156.27						
SELY Willow Lane 1462 ²⁴			F0.79 156.29	F0.04 156.25						155.65
4 Lane 1450 ²⁴		156.93	F0.02 156.90	C0.28 157.23						
Willow Lane 1438 ²⁴		C4.49 162.31	C0.28 157.82	C0.96 158.78						
BC RT 18 Rad 1420 ¹⁸		C-2.72 162.72	160.00	C 1.82 161.82			C-3.09 162.67	159.58	C3.08 162.66	
1400		C 1.32 164.10	162.78	C0.50 163.28			C 1.95 164.54	162.59	C-1.94 164.53	
0+80		C0.78 165.92	165.14	C0.29 165.43			F0.64 164.52	165.16	F0.62 164.54	
0+60		F0.77 166.29	167.06	F0.21 166.85			C-1.38 168.71	167.33	C1.28 168.61	
13VC 0+46		C0.19 168.75	168.56	F0.51 168.05			C-1.14 170.21	169.07	C1.05 170.12	
CB BC's #3 Rad 0+25		C0.09 169.62	169.53	F0.48 169.05			C 1.11 171.33	170.22	C-1.04 171.26	
SELY Willow 0+00			171.12 171.13					172.14 172.14		
BM =	(Wly cor) SWBP	Quimby + Willow -			173.20					



Stick in Drain at sly termination of Paving
I.E. Grade Stake

0+00 = Niyend Pipe	150.30	156.30	06 ⁰⁰
0+16.9	147.78	151.26	C342
0+33 ⁸ = slyend pipe	149.28	150.69	06 ⁹⁰
		145.26	C185
		146.57	F276

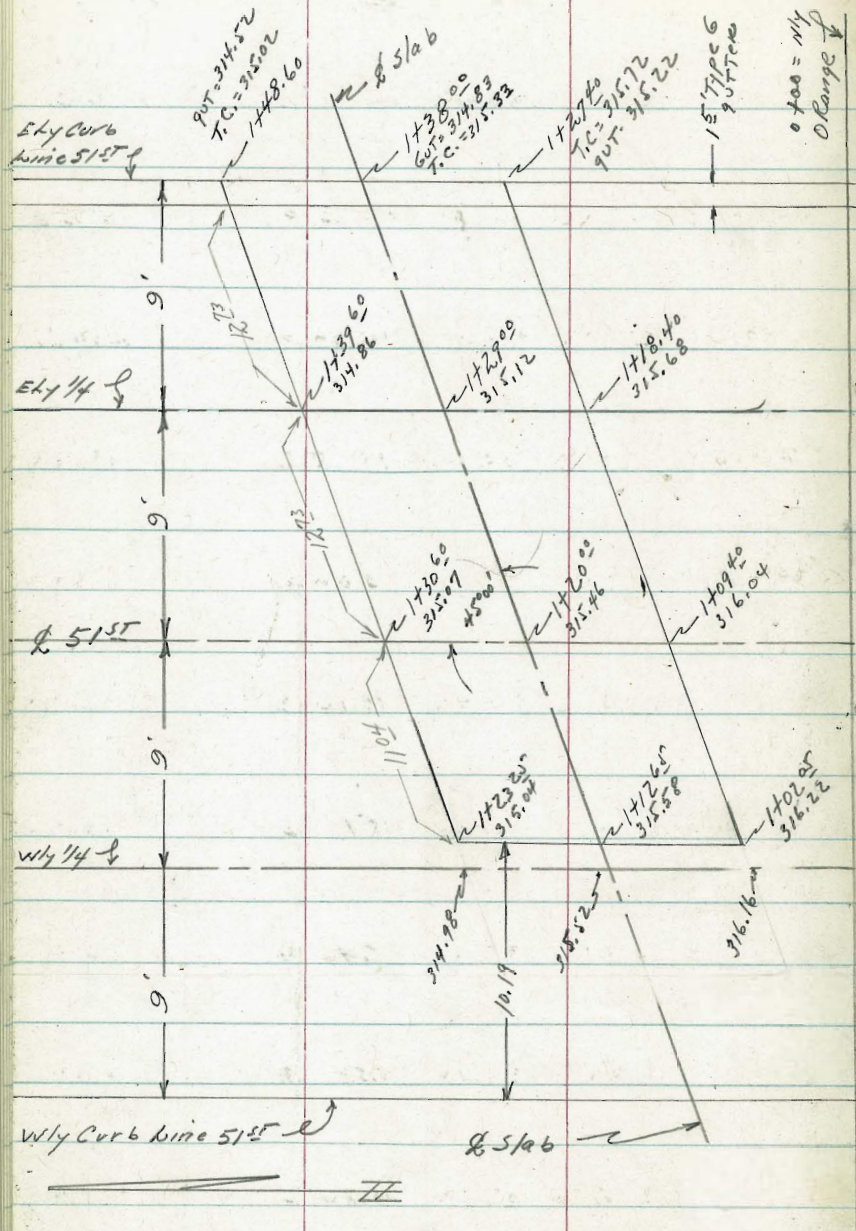


LT = Wly

0+00 = Nly of Orange Ave

RT = Ely

5



Station	Wly Top Cb	Wly Gut Gr	Wly 1/4 Grade	Ely Grade	Ely 1/4 Gr	Ely GUT	Ely T.C.
1+48 ⁶⁰	314.10	313.60	314.18	314.52	314.64	314.52	315.02
1+39 ⁶⁰	314.26	313.76	314.36	314.72	314.86	314.76	315.26
1+38 ⁰⁰	314.32	313.82	314.42	314.78	314.92	314.82	315.32
1+30 ⁶⁰	314.60	314.10	314.20	315.06	314.70	315.10	315.60
1+29 ⁰⁰	314.66	314.16	314.76	315.12	315.26	315.16	315.66
1+27 ⁴⁰	314.72	314.22	314.82	315.19	315.32	315.22	315.72
1+23 ²⁵	314.88	314.38	314.98	315.34	315.48	315.38	315.88
1+20 ⁰⁰	315.00	314.50	315.10	315.46	315.60	315.50	316.00
1+18.40	315.09	314.59	315.18	315.54	315.68	315.58	316.08
1+12.65	315.44	314.94	315.52	315.86	316.00	315.91	316.41
1+09.40	315.61	315.11	315.69	316.04	316.17	316.06	316.56
1+02.05	316.08	315.58	316.16	316.50	316.62	316.50	317.00

Details of Conc Slab over Twin 48" RCP ON
 51ST ST. Nly of ORANGE AVE - DWG # 11519-L
 0+00 = Nly line ORANGE AVE

Bonair Street Drain
 W # 20841, #4155. Dwg 2762-D, 2763-D
 C. Allen, D. Sisson, C. Paniel 2764D, 2765D-
 R. Parks

INDEXED

F/B 2242 - F/B 2214
 Staked 8' left upstream (ely from road)

OCT 9 1956

Station	I.E.	Stake	CUT-		Station	I.E Drain	Stake	CUT
2+25	26.90	37.46	C10 ⁵⁵		4+70	37.82	49.79	C11 ⁹⁷
2+00	24.80	35.52	C10 ⁷²	B.M. = Chiser D Nly end NEH	4+45	37.14	48.65	C11 ⁵¹
1+75	22.70	33.38	C10 ⁶⁸	Curb Ret Bonair St Neptune Place EL = 28.56	4+20	36.47	47.61	C11 ¹⁴
1+50	20.60	31.35	C10 ⁷⁵		3+95	35.79	46.39	C10 ⁶⁰
1+25	18.50	29.09	C10 ⁵⁹		3+70	35.12	45.32	C10 ²⁰
1+00	16.40	28.05	C11 ⁶⁵		3+45	34.44	44.14	C9 ⁷⁰
0+75	14.30	27.57	C13 ²⁷		E.V.C. 3+20	33.77	43.13	C9 ³⁶
0+50	12.20	26.18	C13 ⁹⁸		3+00	32.94	42.24	C9 ³⁰
0+25	10.10	16.30	C6 ²⁰		B.V.C. 2+80	31.55	41.30	C9 ⁷⁵
See FB 2214-48 on Beach 0+00	8.00	9.07	C1 ⁰⁷		2+50	29.00	39.55	C10 ⁵⁵

Station	I.F.	Stake	CUT
7+25 (COMIT)	44.67		
7+00	44.00	57.93	C13.93
6+75	43.32	57.22	C13.90
6+50	42.65	56.53	C13.88
R. Cleanout #1 6+26	42.00	55.85	C13 ⁸⁵
5+95	41.19	54.99	C13.80
5+70	40.52	54.25	C13.73
5+45	39.84	53.17	C13 ⁸³
5+20	39.17	52.06	C12 ⁸⁹
4+95	38.49	50.85	C12 ⁸⁶

Station	I.F.	Stake	CUT
9+75	51.42	64.52	C13.10
9+50 (COMIT)	50.75		
9+25	50.07	63.49	C13.42
9+00	49.40	63.01	C13.61
8+75	48.72	62.47	C13.47 C13.75
8+50	48.05	61.83	C13.78
8+25	47.37	61.16	C13.79
8+00	46.70	60.53	C13.83
7+75	46.02	59.89	C13.87
7+50	45.35	59.30	C13.95

Bonvain ST Drain Cont

5°47'07"

BS. Near LaJolla
18146.

IE

Stake CUT

12+59.92	59.15	71.08	C11.92	Curve	Station	I.E. Grade	Stake	CUT
12+25	58.17	70.23	C12.06	divided into 4 parts Dopp per part = 5°47'07" Chord per part = 8.67	14+50	64.29	73.88	C9.59
12+00	57.50	69.63	C12.13		14+25	63.61	73.67	C10.06
11+75	56.82	69.00	C12.18		14+00	62.94	73.28	C10.34
11+50	56.15	68.40	C12.25		Conn. Drain 13+82.15	62.46	72.93	C10.47
11+25	55.47	67.76	C12.23		13+50	61.59	72.65	C11.06
11+00	54.80	67.06	C12.26		Conn. Drain 13+21.93	60.83	72.41	C11.58
10+75	54.12	66.51	C12.39		F.C. 12+94.65	60.09	72.51	C12.42
10+50	53.45	66.04	C12.59		23°08'30" 12+85.96	59.85	72.24	C12.39
10+25	52.77	65.49	C12.72		17°21'22" 12+77.28	59.62	71.82	C12.20
10+00	52.10	64.99	C12.89		11°34'15" 12+68.60	59.38	71.44	C12.06

Station	I.F. drain	Stake	CUT
<i>Drain CONT Page 13</i>			
16+00	68.33	78.31	C9.98
15+75	67.66	77.82	C10.16
15+50	66.98	76.91	C9.93
15+25	66.31	76.00	C9.69
(16.95)			
E.C.			
15+08.05	65.85	75.44	C9.59
23° 12' 45"			
14+99.34	65.61	75.22	C9.61
17° 24' 33.75"			
14+90.63	65.38	74.95	C9.57
11° 36' 22.50"			
14+81.92	65.14	74.79	C9.65
5° 48' 11.25"			
B.C. Tyrion ST			
14+73.21	64.91		
curve into 4 parts - dot per part = 5° 48' 11.25"			
Chord per part 8.69'			

Station	I.E. drain	Stake	CUT
---------	---------------	-------	-----

INDEX
 Stake Survey - Block 16, Llanosa
 Colony - W 0# 32497 - 41515
 C. Allen, D. Sisson, G. Powell, R. Parks
 OC 2276-10. Dwg 117082-

Station I.E. Grade Stake CUT

2+72.5 468.83 474.93 C6.10

2MH#2
 2+55 469.30 475.28 C5.98

2+33.3 471.48 477.22 C5.74

2+00 474.81 480.86 C6.05

1+66.6 478.14 485.60 C7.46

1+33.3 481.47 490.10 C8.63

2MH#1
 P.O.T.
 1+00 484.80 495.72 C10.92

0+66.6 491.40 502.88 C11.48

0+33.3 498.00 509.08 C11.08

0+00 504.60 515.5 C10.90

B.M. = Nail
 in Power pole.
 # 46143H
 SWLY COR 73RD
 + Alley BIK 16
 elev = 478.88

0+00 is Plog
 225' Wly of

Wly line 73RD
 + R. Alley BIK
 16 Llanosa
 Colony

Staked 5' Right upstream
 Grade Stakes void See Page 12

Station I.E. Grade Stake CUT

4+90 459.89 466.53 C6.64

BVC
 4+80 460.87 467.43 C6.56

4+69.99 461.61 468.49 C6.88

4+59.99 462.36 469.42 C7.06

4+29.99 464.60 470.31 C5.71

2MH#3
 4+29.99 464.60 470.27 C5.67

4+00 465.39 471.55 C6.16

3+66.6 466.29 472.18 C5.89

3+33.3 467.19 473.20 C6.01

3+00 468.09 473.97 C5.88

Hub at E 73RD
 + R. Alley 16 Tied
 To nail in Euc
 Tree to NWLY
 41.99 - Nail in
 NLY side of Tree
 Tied to Tel pole
 Number 46914H
 on NWLY COR of
 Alley - 25.30'

90° to Forward
 Tang.

90° To Back Tan
 2MH#3

Station	IE grade	Stake	CUT
---------	----------	-------	-----

See page 12

5+40	448.00	456.67	08.67	Meet exist line
5+30	451.31	460.61	09.30	
5+20	454.14	463.27	09.13	
5+10	456.52	464.85	08.33	
5+00	458.43	465.66	07.23	

Sewer - Block 16 Revised
See Pages 10-11 For Ties + etc

Station	IE Grade	Stake	CUT
4+69.99	461.61	468.30	C-6.69 6.53
4+59.99	462.36	469.15	C6.79 C-6.71
4+29.99	464.60	470.16	C5.56 90° + ^{5.60} forward
4+29.99	464.60	470.28	C5.68 90° + Back Tan L MH #3 5.72
4+00	465.39	471.51	C6.12
3+66.6	466.29	472.06	C5.77
3+33.3	467.19	472.96	C5.77
3+00	468.09	473.75	C5.66
2+72.5 MH #2	468.83	474.91	C6.08 MH #2
2+55	469.30	475.33	C6.03 L = 90°
2+33.3	471.48	477.16	C-5.68
2+00	474.81	481.00	C6.19
1+66.6	478.14	485.59	C7.45
1+33.3 MH #1	481.47	490.52	C9.05
1+00	484.80	495.70	C10.90 L MH #1
0+66.6	491.40	502.89	C11.49
0+33.3	498.00	509.04	C11.04
0+00	504.60	515.46	C10.86 Plugin Alley Block 16 see page 10

Station	IE	Stake	CUT
5+40	448.00	455.75	C7.75 C7.75 ³⁰ Meet exist
5+30	451.31	459.38	C8.07 C-782
5+20	454.14	462.04	C7.90 C-798
5+10	456.52	464.59	C8.07 C-806
5+00	458.43	465.33	C6.90 C6.76
4+90	459.89	466.25	C6.36 6.17
BVC 4+80	460.87	467.28	C-6.41 - 6.13

Station	I.E. Grade	EL Stake	CUT
18+50	76.97	88.86	C11.89
18+25	75.97	87.95	C11.98
18+00	74.98	86.93	C11.85
17+75	73.98	85.73	C11.75
17+50	72.99	84.53	C11.54
17+25	71.99	83.39	C11.40
2 co. #2 17+00	71.00	82.40	C11.40
16+75	70.36	81.14	C10.78
16+50	69.68	80.55	C10.87
16+25	69.01	79.64	C10.63

3.98%
↑
2.7%
↑

Station	I.E. Grade	STake elev	COT
21+00	86.92	100.71	C13.79
20+75	85.92	98.92	C13.00
20+50	84.93	98.34	C13.41
20+25	83.93	97.18	C13.25
20+00	82.94	96.09	C13.15
19+75	81.94	94.49	C12.55
19+50	80.95	93.75	C12.80
19+25	79.95	92.59	C12.64
19+00	78.96	91.19	C12.23
18+75	77.96	90.25	C12.29

T.P.

BONAIR Drain Cont
 BM = SW BP BON AIR & DRAPER
 el = 105.41 (105.51 - corrected up)

Station	I.E.	Stake Elev	CUT	Station	I.E.	Elev of Stake	CUT
23+00	97.54	110.09	12.55	25+50	118.54	129.90	11.36
22+75	95.44	107.45	12.01	25+25	^{Begin Stake} 116.44	128.20	11.76
(22.5) E.V.C.				25+00	114.34	126.32	11.98
22+52.5	93.55	105.52	11.97	24+75	^{Nail} 112.24	124.56	12.32
22+40	92.63	105.37	12.74	24+50	["] 110.14	123.15	13.01
B.V.C.							
22+27.5	92.00	105.21	13.21	24+25	108.04	120.55	12.51
conc Lug							
22+10	91.30	104.78	13.48	24+00	105.94	119.47	13.53
22+00	90.90	105.18	14.28	23+75	103.84	117.88	14.04
21+75	89.90	104.00	14.10	23+50	101.74	115.51	13.77
21+50	88.91	102.87	13.96	23+25	99.64	112.83	13.19
21+25	87.91	101.17	13.26				

(120.91)
 T.P. on CR Brick
 Near 24+25
 Painted yellow

Bonaire ST Drain Cont

Station	IE Drain	Elev of Stake	CUT		Station	IE Drain	Elev Stake	CUT
27+00.89 EC. Det = 29° 54.15" Chord = 5.89-	128.01	139.78	11.77	Curve data	27+00	131.74	143.82	12.08
26+95 Det = 26° 01.59' Chord = 17.87	127.83	139.93	12.10	det per foot = 39.514	28+75	131.30	143.59	12.29
26+77 Det = 14° 10.34' Chord = 17.87	127.16	140.46	13.30	Chord for 18' = Det for 18' = 11° 51.25'	28+50	130.85	143.41	12.56
26+59 Det = 20° 19.09' Chord = 3.52' B.C. 27. R = 43.5. A = 59° 48' 30"	126.35	139.43	13.08		28+25	130.41	142.84	12.43
26+55.48	126.17	139.30	13.13		28+00	129.97	142.20	12.23
26+41 (18)	125.41	138.30	12.89		27+75	129.53	141.51	11.98
26+23.00 18	124.31	137.06	12.75		27+50	129.09	140.50	11.41
26+05.00	123.07	135.41	12.34		(Exc.) End 18' Lengths	27+25	128.76	140.13
Spectra / Clean out 25+87 + Begin Branch Line	121.70	N4 133.48 S4 133.26	To w/ + Elev of C.O. C11.56	To Elev - C11.78	27+13	128.36	139.70	11.34
25+80.83 - begin inlet					conc lug 27+04	4" stub to cly. 128.10	139.80	11.70

Station	I.E. Drain	elev of Stake	CUT		Station	I.E. Drain	Stake	CUT
30+25	133.94	145.64	C11.70		32+50	137.88	150.00	C12.12
30+00	133.50	INLET			= L 86°42'52" RT 32+30.61	137.55	148.90	C11.35 on 10' offset Face cut 32+31.31 15' B-2
EC 29+88.30	133.29	145.45	12.16	Curve data # equal parts of 11.37	= S. Nauticus 32+19.96	137.23	149.00	C11.77
def = 2°52'11" Chord = 11.36				Det per part of 11.37 = 0°43'03" Chord = 11.36	L = 24°22'38" LT 31+95.81	136.92	149.07	Face cut to + 15' type B-2 inlet
29+76.94	133.09	145.42	12.33		31+75	136.58	148.29	11.71
def = 2°09'09" chord = 11.36					31+50	136.14	147.93	11.79
29+65.57	132.89	145.40	12.51		31+25	135.70	147.34	11.64
def = 1°26'06" chord = 11.36					31+00	135.26	146.66	11.40
29+54.20	132.69	145.26	12.57		30+75	134.82	146.34	11.52
def = 0°43'03" chord = 11.36					30+50	134.38	145.90	11.52
R = 454' D = 5°44'22" 29+42.83 = BC	132.49	144.81	12.32					
29+25	132.18	144.51	12.33					

Bon Air Drain Cont

Station	I.E. Drain	elv of Stake	CUT	Curve Data	Station	I.E. Drain	Stake	CUT
3°13.36'				R=810'				
34+25.00	140.88	151.64	10.76	T=133.77				
2°20.31'				L=265.14				
34+00	140.46	151.69	11.21	Def per foot = 2.12207'	36+50	144.70	152.69	7.99
1°27.26'					= E.C. 7' wdy.			
33+75.00	140.04	151.51	11.47		36+34.02	144.26	152.62	8.36
0°34.21'					9°22'39"			
B.C. LT					36+00	143.84	152.66	8.82
33+58.88	139.77	151.33	11.56		8°31.66			
L. 61°31'34" LT					35+75	143.41	152.60	9.19
& Type A C.O.					7°38.61'			
33+55.59	139.71	151.32	11.61		35+50	142.99	152.52	9.53
50' 33+50	139.64				6°45.56'			
33+25	139.20	150.91	11.71		35+25	142.57	152.36	9.79
33+00	138.76	150.65	11.89		5°52.51'			
32+75	138.32	149.95	11.63		35+00	142.15	152.28	10.13
					4°59.46'			
					34+75	141.73	152.12	10.39
					4°06.41			
					34+50	141.30	151.90	10.60

1.69%

1.76%

SECTION SPLIT 9.86

Bon Air Drain Cont

Station	IE Drain	elevat Stake	CUT	
C.O.				Meat
37+34.31	146.12	152.96	6.84	exist
37+00	145.54	152.89	7.35	
36+75	148.12	152.83	7.71	

Branch Drain on Bon Air Drain

126.54

3 4 45
1 2 6

Station	I.E. Drain	Elev at Stake	COT	Station	I.E. Drain	Elev at Stake	COT
2+00	135.80	143.97	C 8.17				
1+75	134.06	143.38	C 9.32	Elev 43' Rad. Point of curve B.C.			2+19.58 = 152.57
1+50	132.30	143.38	C 11.08				
1+25	130.54	143.63	C 13.09	= E.P. 3+15.78	143.90	151.04	C 7.14
1+00	128.78	140.98	C 12.20	3+00	142.78	151.80	C 9.02
0+68.90 = E.C.	126.54	138.82	C 12.28	2+75	141.03	149.42	8.39
			Curve data				
0+51.67	125.32	137.66	C 12.33	EC. 2+58.60	139.88	147.38	7.50
0+34.45	124.12	136.64	C 12.52	2+45.60	138.96 ✓	146.00	7.04
0+17.22	122.91	135.39	C 12.48	2+32.59	138.05 ✓	145.02	6.97
= 25+87 P 15							17° 08'
0+00 = B.C.	121.70	133.83	C 12.13	B.C. 2+19.58	137.14	142.68	5.54

R = 43.25
 Δ = 57° 24'
 3 Parts of
 13.01
 Det per part
 8° 34'
 Δ Per Part =

INDIVIDUAL
 OCT 30 1956

W.O. # 32035 - 5/5/55
 P. Sisson, C. Powell, R. Park
 11615 - L - FB 2344 - 32

Station	LT = wly 'x' 3' back	wly Stake	RT = ELY	ely Stake
1498 ¹⁵	293.29	CO.09 293.38	293.59	CO.64 294.23
1460 ¹⁵	292.73	FO.30 292.43	293.03	CO.47 293.50
1440 ¹⁵	292.44	FO.50 291.94	292.74	CO.25 292.99
E.V.C. 1420 ¹⁵	392.15	FO.62 291.53	292.45	CO.29 292.74
1406 ¹⁵	291.66	FO.64 291.02	291.96	CO.34 292.30
0480 ¹⁵	290.81	FO.24 290.57	2' back 291.11	CO.26 291.37
0460 ¹⁵	289.58	FO.18 289.40	2' back 289.88	CO.83 290.71
0440.15 ¹⁵	287.98	'x' 5' back F2.40 285.58	2' back 288.28	CO.62 289.90
0420 ¹⁵	286.00	'x' 3' back FO.67 285.33	2' back 286.30	CO.96 289.26
Nly QUINCE ST 0400 AVC	283.50	CO.70 284.20	284.10	CO.93 287.08

BM. NEBP. Quince + Mike = 279.69 20

Station	LT = wly Alley grade	wly Stake	RT = ELY Alley	RT Stake
5460 ¹⁵	298.68	FO.42 298.26	298.98	CO.35 299.33
5440 ¹⁵	298.45	FO.50 297.95	298.75	CO.36 299.11
5402 ¹⁵	297.84	FO.15 297.71	298.14	CO.20 298.34
4464 ¹⁵	297.23	1.5' back CO.23 297.46	297.53	CO.72 298.25
4440 ¹⁵	296.85	Brk in Grade CO.05 296.90	297.15	CO.44 297.59
4426 ¹⁵	296.65	CO.31 296.96	296.95	CO.36 297.31
3488 ¹⁵	296.09	CO.25 296.34	296.39	CO.63 297.02
3450.15	295.53	FO.01 295.52	295.83	CO.52 296.39
3412 ¹⁵	294.97	FO.11 294.86	295.27	CO.74 296.01
2474.15	294.41	FO.15 294.26	294.71	CO.68 295.39
2436 ¹⁵	293.85	FO.07 293.78	294.15	CO.98 295.13

Alley Block 14, City Hts cont

Station	LT=why Alley Grade	Why Stake	RT=why Alley Gr.	Why Stake
519 Redwood	Meet		Meet	
6+20 ¹⁵	298.50		298.87	✓
6+00 ¹⁵	298.74	C 0.30 299.04	299.04	C 0.67 299.71
5+80 ¹⁵	298.78	F 0.13 298.65	299.08	C 0.53 299.61

INDEXED

Station	Dist. from 160 ft edge of Nly. side of Alley	INVERT OF ALLEY Typical Sect. 7.5' Nly. of Sly Line of Alley	Grade	5' Sly of Nly. Line of Alley grade of INVERT at Special Section A	STAKE	RT = Sly edge of Pav.	Notes
2700	30.34	C2.04 32.38	✓ 29.74				Grade to INVERT
1475	30.31	C2.57 32.88	✓ 29.71		C1.21 31.25	30.04	Regular Section on Sly Side of Alley - Grade to Special Section A on Nly Side of Alley.
1450	30.29	C2.26 32.55	✓ 29.69	end Transition + begin sec. A.	C1.76 31.75	30.01	
1437.5			✓ 29.66				BM = Nail in
1425	30.22	C2.31 32.53	✓ 29.63		C1.82 31.75	29.93	P.P.P. PA 1222
1400	30.16	C-1.75 31.91	✓ 29.60	Begin Transition	C1.91 31.78	29.87	9' RT Sta 0 + 19. Elev = 32.55
0+80	29.97	C-1.94 31.91	✓ 29.47		C1.86 31.54	29.68	
0+60	29.53	C-2.08 31.61	✓ 29.06		C4.10 33.34	29.24	29.27 Prop
0+40	28.84	C2.55 31.39	✓ 28.64		C2.43 30.98	28.55	28.85
0+20	27.90	C-3.09 30.99	✓ 28.30		C3.52 31.13	27.61	28.43
Ely of EVERTS 0+00 (BVC)	26.70	C-4.07 30.77	✓ 28.15		C5.48 31.88	26.40	Nail on Prop 28.00

255, Pacific Beach
4-L- FB 20 33- 27 LT-Nly
Red: change in grade

RT = Sly. W/O 32072 22

Grade to INVERT
Regular Section on
Sly Side of Alley -
Grade to Special
Section A on
Nly Side of Alley.

BM = Nail in
P.P.P. PA 1222
9' RT Sta 0 + 19.
Elev = 32.55

Station	Ledge Pave. Nly	INVERT of Alley Typical Section - 75 Nly of Sly Rk. of Alley		EVC.	INVERT of Special Sect - A -	STAKE	RT = Sly edge of Alley
		Stake	±				
EVC 4420	30.34	C0.02 30.36	✓ 30.04	EVC.	C0.32 30.66	30.34	
4410	1'6K 30.27	F0.07 30.20	✓ 29.97		C0.40 30.67	30.27	
B.V.C. 4400	1' back 30.24	F0.05 30.19	✓ 29.94	B.V.C.	C0.54 30.78	30.24	
			29.93				
3475	1'6K 30.21	C0.20 30.41	✓ 29.92		C0.34 30.55	30.21	
3465			✓ 29.905				
3450	30.19	F0.09 30.10	✓ 29.89		C0.05 30.24	30.19	
			✓ 29.875				
3425	30.16	F0.19 29.97	✓ 29.86		F0.26 29.90	30.16	
			✓ 29.85				
3400	30.14	C0.91 31.05	✓ 29.84	end Transition Resume Typical Sec	F0.63 29.51	30.14	
			✓ 29.825				
2475	30.26	C1.37 31.63	29.81		F0.29 29.82	30.11	
			✓ 29.80				
2450	30.39	C1.39 31.78	29.79	end special Sect A and Begin Transition	C0.31 30.40	30.09	
			29.775				
2425	30.36	C1.25 32.21	✓ 29.76		C1.25 31.31	Stub 0.8' back 30.06	

Station	LT = Nly edge of Pavc	INVERT of Alley Typical Sect	RT = Sly Edge of Alley Pavc
---------	-----------------------	------------------------------	-----------------------------

		Stake 1		Stake
WY FANUEL 4+99 ⁰⁰	31.36	30.90	30.06	
		30.75		
4+80	30.90	F0.09 30.81 30.60	30.90	F0.26 30.64
4+50	30.62	F0.38 30.24 30.22	30.62	F0.37 30.25

INDEXED

Block 31 - Univ. Hts.

6-1-55 - No # 32426 -

S. C. Wily, D. Sisson, C. Powell - B. Parker

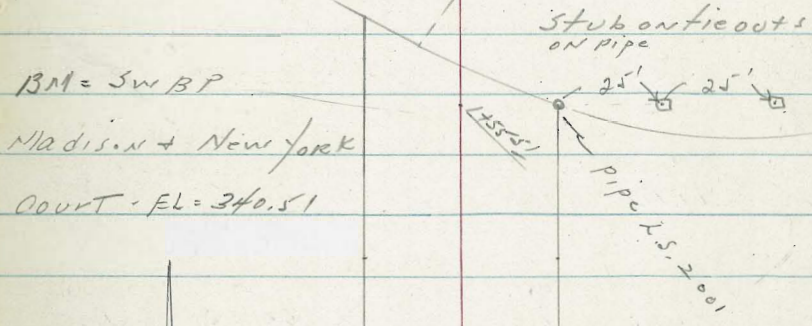
OCT 30 1958

Station	Alley Grade	LT Stake	RT Stake	RT Stake at Alley
end of alley on RT		C1.01		
1476.62	337.60	338.61		
		C1.08		
1460	337.98	339.06		
end Alley on RT			C0.90	
1455.51			338.00	338.90
		C0.60		
1440	338.74	339.34	338.84	339.09
		C0.34		
1420	339.35	339.69	339.45	339.31
B.V.C.	'x' 3' back	C0.37		
1400	339.64	340.01	339.74	340.11
		C0.62		
0470	339.85	340.47	339.95	340.43
E.V.C.		C0.93		
0440	340.06	340.99	340.16	340.48
		C0.85		
0420	340.05	340.90	340.08	340.35
Myline Madison				
0400	339.75	Meet	339.96	Meet

DMG 11493-2

24

Staked 3' back of property unless otherwise noted. (No exceptions)



Tie out of lot corner pipe on NW 1/4 COR Lot 13

Madison

Ave

INDEXED

OCT 30 1956

Pave Alley BIK II, Terra LTA B. Parker
 #32128 - C. Allen, D. Sisson, C. Powell
 Station LT=Wly RT=dy
 Alley Grade Wly Stake RTok
 DWG # 11465-2

EXIST CONC Paving
 Staked 3' back of Prop Line except as Noted

Meet exist
 Conc -
 2400 362.82 Meet exist 362.95 Meet -

Bu FIA
 grade over
 1480 Nail 0.25 in
 Alley Stake 362.26 363.00 1' back 362.40 362.82

E.V.C.
 1440 X 1' back 361.16 361.28 Nail in wall
 0.50 back 361.35 361.75

1420 360.64 360.77 360.77 X 3' back 360.85 361.17

1400 360.21 360.95 360.95 2' back 360.40 360.76

0480 359.88 360.80 360.80 360.00 360.45

B.V.C.
 0460 359.67 360.53 360.53 Nail 0.45 back 359.64 360.44

0430 359.28 359.52 359.52 1.5 back 359.14 359.37

Nly of Polk
 ave
 0400 358.89 358.64

BM = chisel 1' at S by 4 1/2" orange Ave + 2
 Alley - FB 2345 - EL = 367.36

INDEXED

OCT 30 1956

State 32' 18" Storm drain
 Ref. DWG 5206 - 13
 Map at 3051

BM = end exist 18" RCP = 0 + 00

elev = 186.9-

IE Drain stake -

end pipe
 0 + 32 181.80 187.59 - C 5.99

0 + 16 = 184.35 191.85 - C - 7.50

0 + 00 = 186.90 Meet

25

INDEXED

Rough Grade Staker - Events st
Between Thomas Ave + Grand Ave
Green 55 Profile sheet # 1139. Ely = RT

Station	Top curb Grade LT = Why	Rough Grade stake	Rough Gr. RT	Top cb Gr. Ely.
2+70.00	27.41	Meeterist		28.33
2+38.75	ON Prop 26.99 75	F0.24 26.75	C-4.27 32.21	Prop 27.94
2+07.50	ON Prop 26.58	C0.03 26.61	C-3.72 31.28	ON Prop 27.56
1+76.25	ON Prop 26.17	C0.40 26.57	C-3.66 30.84	5' back 27.18
Nly of Alley 1+45	5' back 25.76	F0.19 25.57	C-4.20 31.00	5' back 26.80
Sly of Alley 1+25	5' back 25.80	C0.63 26.13	C5.46 31.96	ON Prop 26.50
0+93.75	X ON Prop 25.09	C1.54 26.63	C4.62 30.64	ON Prop 26.02
0+62.50	ON Prop 24.68	C1.64 26.32	C4.36 29.89	4' back 25.53
0+31.25	ON Prop 24.27	C1.81 26.08	C4.19 29.23	5' back 25.04
Nly of Thomas 0+00	23.86		Meet	24.55

V. d. - Grade Change - See facing page

Restake Rough Grade Events st 26
Green Profile Sheet 1139

Station	Top cb Gr LT = Why	Elev stake Why = LT	Elev of stake Ely RT	Top cb Grade Ely
				5.472
	4.712			
Sly of Grand 2+70.00	Meet 27.41			28.33
2+38.75	RL 27.27	F0.62 26.65	C4.01 32.17	A. P.L. 28.16
2+07.50	RL 27.14	F0.58 26.56	C3.24 31.23	RL 27.99
1+76.25	RL 27.00	F0.55 26.45	C2.94 30.76	5' BK 27.82
Nly of Alley 1+45	5' BK 26.87	F1.35 25.52	C3.25 30.90	5' BK 27.65
Sly of Alley 1+25	5' BK 26.78	F0.69 26.09	C4.34 31.88	Nail Low PL 27.54
EXC. 1+00	N Prop 26.60	C0.03 26.63	C3.26 30.66	RL 27.40
0+80	X = PL 26.42	C0.10 26.52	C2.76 30.00	5' BK 27.24
0+60	RL 26.08	C0.11 26.19	C2.76 29.57	RL 26.81
0+40	RL 25.59	F0.30 26.29	C3.14 29.36	ON Prop 26.22
Exc 0+20	5' BK 24.98	C0.81 25.79	C3.60 29.04	5' 25.44
Nly of Thomas 0+00	23.86			24.55

INDEXED

Stake storm Drain -
 Part of Evergreen St. WO # 21142
 6/17/55 DWG 12106-L-F13 2365-8
 S.C. Allen, C. Powell, R. Parks
 DRAFT 30 1955
 Why of Evergreen + Running ely + wly -

Drain Rosecrans + Evergreen
 cont.
 Ely + wly Pipe, Ely of Evergreen -

27

Station staked 7' wly.	I.E. Drain	Elev of Stake	CUT	Station	I.E. Drain staked 7' wly.	Elev of Stk.	CUT.
				EC, 0+35.04	-1.65	0.96	C-2.61
2 Co. # 3 1+23.26	-1.75	1.43	C-3.18				
				2+95.24 =	inside of	wly wall of	Co. #1
1+03.56	-1.75	0.98	C2.73				
				Why of Co. #1			
0+83.86	-1.76	1.23	C-2.99	2+95.24	-1.55	1.76	C 3.31
				2+75	-1.55	1.30	C 2.85
0+64.16	-1.77	1.11	C2.88	2+50	-1.56	1.23	C -2.79
				2+25	-1.57	1.29	C-2.86
0+44.46	-1.78	0.58	C2.36	2+00	-1.58	1.16	C-2.74
				1+75	-1.59	1.10	C-2.69
EC, 0+24.76	-1.79	0.72	C-2.51	1+50	-1.60	1.04	C-2.64
				1+25	-1.61	0.90	C-2.51
Mid point curve 0+16.38	-1.80	0.94	C2.74	1+00	-1.62	0.19	C-2.81
				0+75	-1.63	0.99	C2.62
B.C. S = 44.46' 0+08 R = 21.5	-1.80	1.86	C-3.66	0+50	-1.64	1.00	C-2.64
				M.P. curve 0+23.52	-1.65	1.03	C-2.68
Meet exist 42" Pipe - 0+00	-1.81			B.C. 0+12.00	-1.66	0.84	C2.50
				0+00	-1.66	1.10	C-2.76
				Meet existing 24" Pipe ely of evergreen			

Drain Rosecrans & Evergreen Cont
 Nly & Sly Pipe Wly of Evergreen -

Station	I.E. Drain	elev of Stake	CUT
Staked 7' Wly			
Meet exist 24" 1+05.55	-1.40	Meet	
0+88.82	-1.46	2.01	C-3.47
0+72.09	-1.51	1.84	C-3.35
0+55.36	-1.56	1.54	C3.10
0+43.45-17P.	-1.60	0.67	C2.27
B.C. D=15° R=91 0+31.54	-1.64	0.95	C-2.59
0+15.77	-1.69	0.66	C2.35
Nly of C.O. # 3 0+00	-1.75	-1.63	C 0.12

Rave 40th ST. 17' ST to Ocean View
 BND - WOT 32442 - 6/20/55 - DING - 2574-D
 FEB 66 - 1956 - C. Allen, D. Sisson, C. Powell, R. Parks

Station	LT = Wly 90T	Rough Grade	Curb grade	Curb Stake	wly 1/4
2 Hermlock					
2+38.13					
= 51y Hermlock					
2+13.13	64.24		64.74		
2+00	63.41		63.91		
1+75	61.80		62.30		
1+58	60.19		60.69		
1+25	58.58		59.08		
1+00	56.97		57.47		
0+75	55.36		55.86		
0+50	53.75		54.25		
0+25	52.14		52.64		
- 16y ST 0+00 50.53	50.53		51.03		

BM - N.W. in pole # 702
 SW cor 40th ST RT - ELY -
 53.68
 N.W. in pole # 27
 SW cor 40th ST
 Hermlock - 6515

grade	RT - ELY 1/4	Rough Grade	Curb grade	Curb Stake	ELY 90T
			64.87	64.93	C0.06
		F0.32 63.68	64.00	63.26	F0.74
		F0.23 62.94	63.17	62.87	F0.30
		F0.12 61.44	61.52	61.49	F0.07
		C0.29 60.24	59.95	60.08	C0.13
		C0.60 58.94	58.34	58.79	C0.45
		C0.75 57.48	56.73	57.26	C0.53
		C0.93 56.05	55.12	55.46	C0.34
		C1.11 54.62	53.51	53.76	C0.25
		C1.36 53.26	51.90	52.53	C0.63
		C0.87 51.16	50.29	50.58	C0.29
50.46					

Curb in Place this side
6.44%

Pave 40th ST CONT

2+44.25 = d Teak

RT=wly

RT=ely

Co.62

Station	LT=wly GUTTER	Rough Grade	curb grade	curb stake	wly 114	d grade	RT=ely 114	Rough Grade	curb grade	curb Stake	ely GUTTER
54 1 2+12.75		C1.30 76.80	75.50			75.00		F0.70 73.80	74.50	Co.26 74.76	
2 CR BC		ON RCP C4.93 80.13	75.20	Co.66 75.86		74.70		F0.76 73.44	74.20	Co.01 74.21	
2 1+77.75		C5.24 79.71	74.47	Co.73 75.20		73.97		F0.37 73.10	73.47	Co.18 73.65	
1+57.75		C5.04 78.94	73.90	Co.50 74.40		73.40		F0.42 72.48	72.90	F0.12 72.78	
1+37.75		C4.2 77.4	73.18	Co.27 73.45		72.68		F0.23 71.95	72.18	F0.15 72.03	
13 v.c. 1+17.75		C4.20 76.51	72.31	Co.23 72.54		71.81		F0.36 70.95	71.31	F0.27 71.04	
1+00	4.722	ON RCP C2.09 73.56	71.47	Co.82 72.29				F0.21 70.25	70.46	F0.18 70.28	
0+75		C2.31 72.60	70.29	F0.11 70.19				F0.62 68.66	69.28	F0.19 69.09	
0+50		C2.69 71.71	69.10	Co.06 69.16				F0.79 67.31	68.10	F0.52 67.58	
0+25		C-2.87 70.79	67.92	Co.25 68.17				F0.47 66.45	66.92	F0.26 66.66	
Nly Hand Lock + ch BC 0+00		ON RCP Co.49 67.25	66.74	F0.11 66.63		66.24		Co.16 65.90	65.74	Co.06 65.80	

Pave Hole ST CONT

LT = Wly

Station	LT = Wly GUTTER	Rough Grade	Curb Grade	Curb Stake	Wly 1/4
146.8 146.17	76.63		77.31		
4.00 in c/s Begin c/s 1473.67	76.60	(11475) F1.4	77.27	F0.42 76.85	
GUTTER Gr 1463.67	76.72		77.22	F0.40 76.82	
Rad PT 1482.00 ally c/s 1435		F1.26 75.90	77.16	F0.43 76.73	
ally Rad PT 1433.00		F0.8 76.3	77.07	F0.54 76.53	
1410		PK. 0.28 BK C0.23 77.18	76.95	F0.21 76.74	
0+85 .564%		PK. .15 BACK C1.05 77.87	76.82	F0.02 76.80	
0+60		C5.4 82.1	76.69	C0.08 76.77	
0+35		PK. BACK C1.64 78.21	76.57	C0.04 76.61	
C6 BC 0+10		PK. BACK C-7.2 83.7	76.45	C0.18 76.63	76.95
NY Tack 0+00 ST			76.40		76.90

RT = eLy.

e grade	eLy 1/4	Rough grade	Curb Grade	Curb Stake	eLy GUTTER
			76.31		
		1475 F1.0 75.35	76.27	C0.98 77.25	
			76.22	C0.96 77.18	
		F0.95 75.21	76.16	C0.94 77.10	
			76.08		
		F1.22 74.85	76.07	C0.76 76.83	
		F1.76 74.19	75.95	C0.66 76.61	
		F1.69 74.13	75.82	C0.93 76.75	
		F1.70 73.99	75.69	C0.44 76.13	
		F1.15 74.42	75.57	C0.57 76.14	
		F1.12 74.33	75.45	C0.62 76.07	
		F1.59 73.81	75.40	C0.65 76.05	

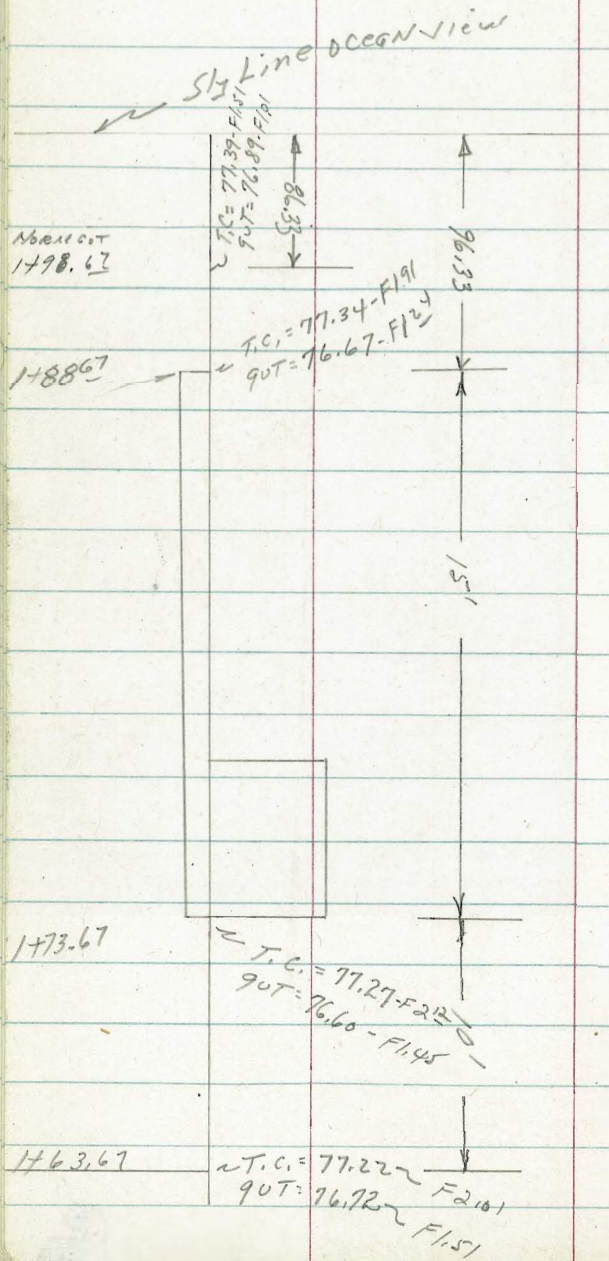
Pave 40th St Cont
 LT = Wly.

RT = Ely.

32

Station	LT = wly 90T	Rough Grade	Curb Grade	Curb Stake	Wly 114	E grade	ely 114	Rough Grade	curb Grade	Curb Stake	ely GUTTER
NEMA 190T											
1+98.67	76.89		77.39								
		see p. 9									
Nly of Throat											
1+88.67	76.67		77.34								
Sly of Throat											
1+73.67	76.60		77.27								
Sly Ocean View											
2+85	79.29	Meet	80.03			78.95		Meet		78.41	
Brk in grade											
2+55	78.61	F1.17 77.94	79.11	F0.52 78.59		78.41		C0.07 77.78	77.71	C0.22 77.93	
2+25		F1.18 77.02	78.26	F0.48 77.72				F0.29 76.72	77.01	C1.16 78.17	
Brk in gr											
1+98.67	76.89	F0.98 76.41	77.39	F0.01 77.38		76.89		F0.67 75.72	76.39	C1.18 77.57	
90T. Gr											
1+88.67	76.67		77.35	F0.23 77.12						76.35	

Catch Basin wly of 40th
+ sly of Ocean View



STake 125' drive way on wly
side of 7th ave. sly of K-ST

Dwg 5878-13
Sta Finished Sub
Grade 97% Grade 50%

INDEXED

OCT 30 1953

1+25	8.21	7.71
1+00	7.82	7.32
0+75	7.41	6.91
0+50	7.00	6.50
0+25	6.59	6.09
0+00	6.18	5.68

50' Nly of the Nly
line L-ST

INDEXED

in 47th ST. from S. Chollas
 TO Para ST - Dwg# 5686-B.
 1955 - Allen, D. Sisson, C. Powell, R. Parks
 Woz 1922
 Feb 1956 + 1673
 Staked 6' w/grad Drain

BM = W & Nagel + elev 7' line at 47th -
 FB 1673-15

Station	IE Drain	elev at stake	CUT	Station	IE Drain	elev Stake	CUT
1+75	69.02	75.89	C6.87	3+98 ⁰⁰	72.80	84.58	C1178 Sly edge of TYPE 132 catch Basin
1+50	68.60	75.30	C-6.70	3+75	72.59	83.60	C11.21
1+44 grade Brk	68.50	75.16	C6.66				
1+25	68.24	75.38	C7.14	3+50	71.97		
1+10 Basin Ely curv 47 th	68.03	75.39	C7.36	E.C. 3+44.86	71.88	83.15	C11.27 curve data R = 90 ⁰⁰ ' Δ = 20° T = 15.87 EXT = 1.39 L = 31.42
1+00	67.89	75.40	C-7.51	M Point Curve 3+29.15	71.61	81.58	C997
0+75	67.55	75.40	C7.85	BC LT 3+13 ⁴⁴	71.35	81.28	C-993
0+50	67.20	75.39	C8.19	3+00	71.12	81.08	C996
				2+75	70.70	80.11	C. 9 ⁴¹
0+25	66.85	75.63	C-8.78	2+50	70.28	79.05	C877
				2+25	69.86	78.34	C848
Sly face of Nly Bridge abuttment 0+00 S. Chollas creek +47 th ST	66.50	71.23	C-4.73	2+00	69.44	76.85	C-741

1.69%

1.39%

INDEXED
Dwg 42721-Pave La DORNA ST
D Aug 16, 1955. W/O# 31525
Drain 350 nly of MontezumaMontezuma Road to Nly.
Ret. FB 2267-37 + 1965

35

SECT 20, 1956

	I.E.	Stake	CUT	Sta	IF elev	Stake	CUT
Face Elych 0-36	432.70	441.05	C 8.35				
= La DORNA 0-18	432.20	440.29	C 8.09				
0+00	431.70	438.77	C 6.77				
36' of 18" Re P across ST at 3+58				1+50	425.11	431.78	C-6.67
2+60.00	420.95	420.76	F 0.19	1+25	428.11	434.01	C 5.90
2+25.37	421.57	423.71	C-2.14				
2+00.37	422.02	425.02	C 3.00	2 Co 0+92.57	432.00	440.41	C 8.41
1+75.37	422.47	425.68	C-3.21				
1+50.37	422.92	425.78	C 2.86	0+64.26	432.50	439.99	C-7.49
1+25.37	423.37	426.48	C-3.11				
5VC 1+00.37	423.82	428.20	C 4.38	face ely ch 0+36	433.00	440.26 440.27	C-7.26 - forward C-7.37 - back
0+90.37	424.23	428.77	C 4.54	Moved 6' S			
3VC 0+80.37	424.87	429.64	C 4.77	La DORNA 0+18	433.32	441.06 441.14	C 7.74 C 7.79
0+40	428.30	432.75	C-4.45				
Back edge of Box 0+00	431.70	438.47	C 6.77	face ely ch 0+00	433.65	441.79 441.73	C 8.14 C 8.08

Stake
on 5/17
6.89

Pave La Perna St
Sewer + water LATERALS

Sewer + water LATERALS cont 36

Station	IE elev	State	Cut Grade
SL#5 RT 448866	438.1	445.79	C-769
SL#4 RT 442566 442966	436.4	444.26	C786
SL#7-LT 441490	435.2	440.52	C532
W-LT 3499.90	441.05	441.07	C002
SL#3 RT 347266	435.91	442.15	C624
SL#2 LT 2490	436.1		
SL#9-LT 2455	436.0	443.00	C700
SL#10-LT 4466 2400	437.1	444.81	C771
SL#2 RT 1455	440.9	447.24	C634
SL#1 RT 1410	441.6	447.76	C616

Note -
Sewer
IE's are
at Prop
Water
grades
are Top
of curb
Grades

OUT House
15 CORN
Swim Pool

Changed

Station	IE or Top cb	State	Grade
W-RT 1147512	444.21	F0.58	F0 58
#15-RT 1147012	439.9	C-3.7	C-37
W-LT 1049080	443.53	440.03	F350
#11-LT 1043090	432.8	441.56	C8.70
W-L 10420.90	445.50	442.98	F.252
W-LT 104102	445.81	443.80	F201
#22-L 9495.90	432.9	444.72	C1182
#13-RT 848410	443.5	449.73	C-623
#24-L 840590	433.7	448.37	C14.67
SL#25-L 745590	434.1	448.45	C14.35
SL#27-R 745510	441.1	450.03	C8.93
W-R 744512	449.23	450.09	C0.86
W-L 742990	448.28	448.36	C008
SL#12-R 740010	444.2	450.04	C584
SL#6 LT 641990	435.4	446.47	C11.07
W-RT 449866	443.40	445.93	C2.53

Station	LT or W/O GUTTER	Rough Grade	Curb Grade	Curb Stake	W/O 1/4	± grade	RT or 1/4	Rough Grade	Curb Grade	Curb Stake	cly GUTTER
1+88		F0.52 443.81	444.33	C0.72 45.05				C1.54 446.87	445.33	F0.04 45.29	
1+66			444.70	F0.02 44.68					445.70	F0.29 45.41	
1+44		F0.13 444.94	445.07	F0.33 44.74				C1.45 447.52	446.07	F0.46 45.61	
1+22			445.44	F0.14 45.30					446.44	F0.52 45.92	
EC 1700 6°48'45"		C0.57 446.38	445.81	C0.09 45.90				C0.79 447.60	446.81	F0.55 46.26	
Ch = 23160 23.77											
0+76.22 4°32'30"			446.18	F0.32 45.86					447.03	F0.68 46.35	
Ch = 23160 23.77											
0+52.44 2°16'15"			446.54	F0.18 46.36					447.26	F0.53 46.73	
1/3 CR = 23160 23.77											
BC - R = 300'		C0.43 447.33	446.90	F0.19 46.71				C0.7 448.2	447.49	F0.55 46.94	
0+28.66											
ER = 300' -	EL = 71.34' N = 130° 27' 30" -	Def = 6° 48' 45"		Def PR Root = 5.7296'							
Ob EC. 5 0+22.15			447.01	F0.45 46.56					447.55	F0.48 47.07	
Mid Point Ret.			47.19	F0.06 47.13					447.65	F0.35 47.30	
0+02.15			447.37						47.76	Neet	

N/2 Line Montezuma Rd & meet exist 1977 improvements

Station	Wly GUT	Rough Grade	Curb Grade	Curb Stake	Wly	Grade	RT=ely	Rough Grade	Curb grade	Curb Stake	RT=ely
3450	CO.161 CO.90 438.93	F2.19 437.57	439.76	CO.07 439.83	1/4	FO.122		C-1.68 442.44	440.76		439.93
3440	CO.46 CO.45 439.38	F1.25 438.163	439.88	FO.04 FO.05 39.83				F1.88 442.76	440.88	CO.15 41.03	CO.65 440.38
3430			440.09	FO.10 439.99					441.09	CO.01 441.10	
3420		F3.90 436.48	440.38	FO.05 40.33				C2.38 443.76	441.38	FO.23 41.15	
3410			440.77	FO.15 40.62					441.77	FO.14 41.63	
2490		F1.41 440.20	441.61	FO.25 41.36				C1.31 443.92	442.61	FO.11 42.50	
2470			442.40	CO.12 42.52					443.40	FO.11 43.29	
2450		FO.03 443.03	443.06	FO.16 42.90				CO.78 444.84	444.06	FO.13 43.93	
2430			443.57	CO.20 43.77					444.57	FO.15 44.42	
2410	BVC	CO.01 443.98	443.97	FO.15 43.82				CO.91 445.88	444.97	FO.22 44.75	

Pave la Dorna cont

Station	LT=whly 90T Tek	Rough Grade	curb Grade	curb Stake	LT= Wly/4	d grade	ely/4	Rough Grade	curb Grade	RT curb Stake	Ely 90T Tek
E.V.C. 4490	442.16	C0.79 442.95	442.16	F0.04 42.12				C3.29 446.45	443.16	F0.62 42.54	
4470	441.41		441.41	C0.51 41.92					442.41	F0.52 41.89	
4450	440.82	X F1.34 439.48	440.82	C0.11 40.93				C4.08 445.90	441.82	F0.32 41.50	
4430	440.40		440.40	C0.30 40.70					441.40	F0.30 41.10	
B.V.C. 4410	440.14	C1.34 441.48	440.14	F0.01 40.13				C2.30 443.44	441.14	F0.71 40.43	
3490	439.96		439.96	F0.30 439.66					440.96	F0.60 40.36	
Return To S 3476 ^{CLAC}	C0.41 439.33		439.83	F0.09 439.74					440.82	F0.41 40.41	C0.09 440.32
E.V.C. 3470	C0.61 439.07	F1.59 438.18	439.77	F0.09 39.68				C3.11 443.88	440.77	F0.19 40.58	
90T only 3466	C0.42 438.91		439.74	F0.06 39.68	F0.11				440.74		439.91
2 INLET 3458 5' back	C0.88 438.89 C0.47	F1.96 437.76	439.72	C0.05 39.77	F0.36			C2.23 442.95	440.72		439.89

Station	LT = Wly gutter	Rough Grade	Curb Grade	Curb Stake	Wly 1/4	d grade	ely 1/4	Rough Grade	Curb Grade	Curb Stake	ely g ut
5+6519 ⁴			447.70	F0.19 to F0.23 Avg							
6+50		F1.26 446.35	447.61					C0.76 449.37	448.61	C0.82 49.43	
6+30			447.20	F0.29 46.91					448.20	C0.81 49.01	
LT only - 6+2492		F1.10 445.99	447.09	F0.36 46.73				C0.74 448.83	448.09		
LT only 6+12.46			446.70	F0.34 46.36					447.70		
RT only 6+00.37	Begin admission of walk. on RT (ely)		446.33	F0.28 46.08				C1.03 48.36	447.33	C1.39 48.72	
5+90		F0.46 445.64	446.10	F0.22 45.88				C1.40 48.50	447.10	F0.37 46.73	
5+70			445.42	F0.43 44.99					446.42	F0.32 46.10	
5+50		F0.63 444.01	444.64	F0.23 44.41				C-2.48 448.12	445.64	F0.32 45.32	
5+20			443.40	F0.07 43.33					444.40	F0.34 44.06	

2' Rad B.C. Private Road on wly.

LT = wly -

RT = ely -

41

Station	Wly Gutter	Rough Grade	Curb Grade	Curb Stake	wly ft	ely grade	ely ft	Rough Grade	Curb Grade	Curb Stake	ely gvt
8+40		C0.65 448.39	447.72	C0.10 47.82				C1.33 450.01	448.72	C1.28 50.00	
8+04 ⁶⁵	= ch B.C. ally	C0.6 448.5	447.91	C0.14 48.05				C1.19 450.10	448.91	C1.06 49.97	
7+80 ⁶⁵	ch B.C.	C0.6 448.65	448.05	F0.01 48.04				C1.25 50.31	449.06	C1.08 50.14	
E.V.C. 7+50		C0.85 449.07	448.22	F0.31 47.91				C1.12 450.34	449.22	C0.50 49.72	
7+30			448.28	C0.07 48.35					449.28	C1.04 50.32	
7+10		C0.30 448.55	448.25	F0.08 48.17				C1.25 50.50	449.25	C0.26 49.51	
6+90			448.14	C0.12 48.26					449.14	C0.65 49.79	
RT only 6+70	Right only	F0.59 47.33	447.92					C0.47 49.39	448.92	C0.51 49.43	
ch B.C. 6+85 ⁹⁴			448.10	C0.19 C0.15-tonky					449.09		
6+85 ¹⁰	Resume sidewalk to be BUILT ON RT					2' Rad Private Road on LT =		C0.4 49.5	449.09		

Station	LT = Wly gut	Rough Grade	curb Grade	curb Stake	Wly 1/4	grade	Rough Grade	curb Grade	curb Stake	ely gut
11+05 ⁹⁰	442.77	See Page 45. TO Move CB 6' sly.								443.77
<hr/>										
13VC 11/74 10+80										
10+55 ¹⁰	Resume walk + Grading in RT									
10+42		FS.29 440.53	445.79	F1.39 44.40			F1.62 445.77	445.79	G0.76 46.55	
E.V.C. 10+10		F0.71 445.11	445.82	F0.19 45.63			C0.03 446.85	446.82	C0.28 47.10	
10+05 ¹⁰	Begin omission of walk + Grading ON ELY									
9+90			446.35	F0.37 45.98				447.35	C0.18 47.53	
9+70		F0.25 446.51	446.76	F0.24 46.52			C0.38 448.14	447.76	C0.07 47.83	
9+50			447.05	F0.15 46.90				448.05	C0.07 48.12	
B.V.C. 9+30		C0.21 447.43	447.22	F0.08 47.14			C0.53 448.75	448.22	C0.19 48.41	
9+00		C0.09 447.47	447.38 447.38	C0.08 47.46			C1.15 449.53	448.38	C0.43 48.81	
8+70		Grade 447.55	447.55	F0.08 47.47			C1.56 450.11	448.55	C1.42 49.97	

Station	LT= Wly gUT	Rough Grade	curb Grade	curb Stake	Wly 1/4	2 grade	Rough Grade	curb grade	curb Stake	ely gUT
12+27		F096 446.10	447.06	C017 47.23			C0.35 448.13	447.78	47.78	

E.V.C.
12+00

See page 45 for
changes to move

11+60

Catch Basin 6's by

Reserve. 50bpc
11+41.90

11+40

11+31.90

2 in let
11+23.90

11+20

11+15.90 442.33

443.31

Station	LT = wly gutter	Rough Grade	curb Grade	curb Stake	wly 1/4	E grade	ely 1/4	Rough Grade	curb Grade	curb Stake	ely gutter
Meet 13+98 ⁸⁶			50.52								
13+96 ⁴⁰	Meet exist								50.98		
13+80	22 450.12	C2.86 453.48	450.62	F0.18 50.44				C2.82 453.94	451.12	F0.20 50.92	450.62
EVC 13+40		C1.69 452.50	450.81	F0.26 50.55				C1.80 453.11	451.31	F0.15 51.16	
13+20			450.76	F0.25 50.51					451.26	F0.41 50.85	
13+00		C0.82 451.24	450.42	F0.09 50.33				C0.27 451.21	450.94	F0.61 50.33	
12+80			449.74	C0.01 49.75					450.30	F0.22 50.08	
BVC 12+60		F0.02 448.73	448.75	C0.12 48.87				C0.46 49.84	449.38	F0.18 49.20	

Meet exist in improve on RT

Meet exist on RT

Drain at N. W. 1/4 cor Landis St +
 PAVEMENT
 DWG - 5476 - 13 - width 21.275
 62 8-26-55
 OCT 30 1956
 C. Allen, D. Sisson, C. Powell, R. Park

LT = wily

RT = cly

42

Station	LT = wily gutter	Top curb Grade	Top of grade cly	ely gutter Grade
	Return to page			
Station IE Stake	cut or fill	B.M. = NW 1/4 Central + Wrightman	BYC 12+60	448.25 449.38
1+26.08 308.27 310.55	C2.28	elev = 343.56		
0+96.08 306.47 313.23	C-1.76	TBM = NW 7/4 T elev = 326.51	12+27	447.06 447.78
EC 0+66.08 304.67 311.60	C6.93		EVC 11+94	444.88 445.38 446.19
M.P. curve 0+57.48 304.09 311.85	C-7.76	Ch 1/2 curve = 9.52	11+74	C0.45 444.39 445.27
B.C 0+46.88 303.52 320.72	C11.02(6')	R = 22' Δ = 50' Δ = 19.20'	11+54 11+35	C0.45 443.70 444.61
	C17.20(6')		11+35	C1.16 442.82 443.32 444.28 443.78
Brk 0+36.88 302.83 324.71	C-21.88		11+34 11+25.90 11+17.90	442.74 443.28 443.20 444.18 443.35 442.33 443.16 444.14 443.31
EC 0+26.88 301.83 325.07	C-23.24		11+14	442.33 443.16 444.14 443.31
M.P. curve 0+13.44 300.08 325.49	C-25.41		10+99.90 11+09.90	5' slope C1.10 442.77 443.27 444.27 443.77
			10+74	5' slope C1.41 442.33 443.26 444.14 443.31
B.C 0+00 298.33 327.13	C28.80	R = 22 Δ = 70' Δ = 26.88	BVC 10+74	C0.56(0.18) 443.32 444.32
				F0.27 444.32
				C0.08(0.07) 443.76 444.76

INKLOT

PAVED Electric St. Colima to sky.
 32400 - 8-25-55 - Dwg 11889-1

RT = NELY - 46

STATION	Left Swly GUTTER	Rough Grade	Top of Grade	Curve Stake	SWLY 1/4	d Grade	NELY 1/4	Rough Grade	Top of Grade	Curve Stake	NELY GUTTER
2+00		F1.65 80.38	82.03	F0.03 82.00				C2.98 85.94	82.96	C0.09 83.05	
1+75		F1.77 80.16	81.93	F0.10 81.83				C3.35 86.22	82.87	C0.37 83.24	
1+50		F1.49 80.34	81.83	F0.08 81.75				C3.57 86.35	82.78	C0.44 83.22	.50 ft. 82.74
Return to Sch 1+38.70									82.74	C0.35 83.09	Begin .50 ft. 82.24
Special gut 1+33.70			81.72						82.72	C0.39 83.11	C1.06 82.05
Linker 1+28.70		F1.37 80.37	81.74	F0.18 81.56				C3.41 86.11	82.70		82.04
1+10.70			81.67	F0.06 81.61					82.63	C0.45 83.08	C1.16 81.92
Linker 0+90.70		F1.08 80.51	81.59	F0.09 81.50				C3.50 86.06	82.56		81.88
0+60		F0.89 80.58	81.47	F0.15 81.32				C3.91 86.36	82.45	C0.22 82.67	C0.92 81.75
0+30		F1.94 79.41	81.35	F0.12 81.23				C3.98 86.32	82.34	F0.02 82.32	C0.69 81.63
0+10	Begin .50 ft	80.77	81.27	F0.55 80.72					82.27	C0.04 82.31	C0.76 81.55
Whymie of Alto, St of 6+00 Colima	C0.71 80.59		81.23					MEET	82.23	82.29	C0.79 81.50

Pave. Electric Cont

RT = NELY

47

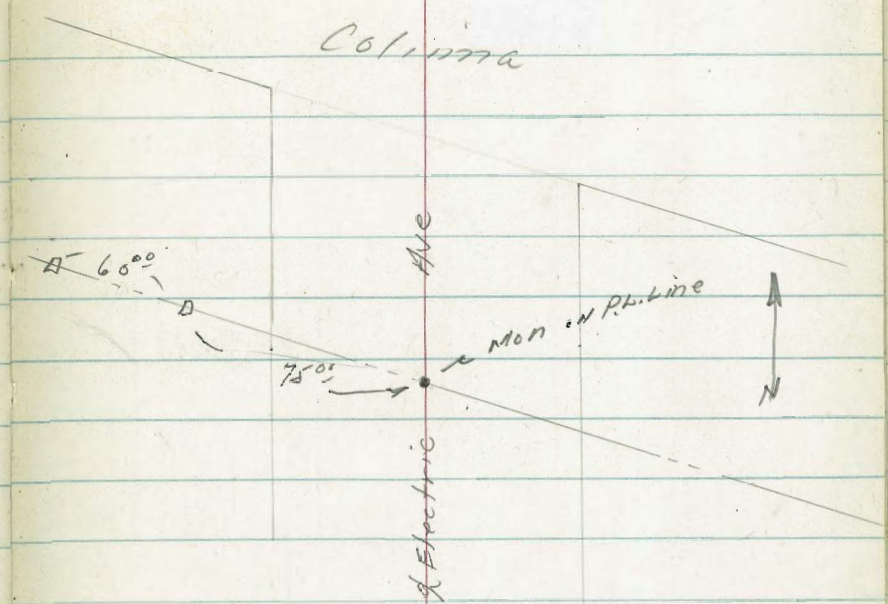
LT = SWLY

Station	ST or SWLY 90°	Rough Grade	Top Curb Gr	Curb Stake	SWLY 1/4	Grade	NELY 1/4	Rough Grade	Top curb Grade	Curb Stake	NELY 90° Tick
3+75		F2.34 79.60	81.94	F0.10 81.84				^{3/4 back} C0.90 83.80	82.90	F0.36 82.54	
3+50		F2.77 79.34	82.11	C0.07 82.18				^{1/2 back} C0.82 83.90	83.08	F0.36 82.72	
Ally BC NWLY RT 3+37.63	81.69	F2.84 79.33	82.19	82.28							
RT only 3+20.47								^{1/2 back} C0.66 83.95	83.29	F0.47 82.82	
Ally BC SWLY RT 3+12.7	81.80	F2.14 80.16	82.30	F0.89 ST 81.41							
Ally BC RT NELY RT 2+96.0			82.37					^{1/2 back} C0.69 84.08	83.39	82.36	82.89
LT only 2+78.76		F2.82 79.53	82.35	F0.16 82.19							
Ally BC-RT SELY RT 1/4 2+73								C0.49 83.82	83.33	8	82.83
2+50		F2.47 79.76	82.23	C0.04 82.27				C1.86 85.00	83.14	F0.01 83.13	
2+25		F2.48 79.65	82.13	Grade 82.13				C1.91 84.96	83.05	C0.04 83.09	

Pave electric cont
 LT. swly

RT-NEly-

48



Station	swly 9/27	Rough Grade	curb Grade	curb Stake	swly 1/4	± Grade	NEly 1/4	Rough Grade	Top curb Grade	curb Stake	NEly 9/27
end on LT 4+53 ⁸²	80.86		(81.42) 81.41	meet							
4+43 ⁸²	80.96		81.46	8							
C.B.B.C. RT 4+52 ²⁰		F1.12 80.55	81.67	F0.27 81.75					(82.52) 82.60	C0.10 82.70	
4+00		F1.87 79.90	81.77						C0.83 83.55	F0.27 82.72	82.45

INDEX

Replace Curb on Sly side of E
ST Between Kettner Blvd + IndiaNO # 2000 8-8-28-55 - C. Allen -
OCT No Plans -

Station

Top Curb Grade

Stake

OUTON
FILL

Sta.

Curbs on Nly of E's ST
Kettner to IndiaTopcb
GradeGUTTER
GradeCUT OR
FILL T.C.

OCT

CUT OR
FILL T.C.
9/27/56= Wly PL India ST
2+00

8.96

MEET

= Wly PL
India
2+00

9.45

8.83

MEET

MEET

1+75

8.84

8.88

FO.02

1+75

9.16

8.61

CO 24

CO 79

1+50

8.72

8.48

FO.24

1+50

8.91

8.39

FO 06

CO 46

1+25

8.68

8.46

FO.14

1+25

8.66

8.17

CO 32

CO 81

1+00

8.48

8.35

FO.13

Wly of CB
1+10

8.51

8.04

CO 33

CO 80

0+75

8.36

CO.16

8.52

CO 16

1+00

8.50

8.00

CO 05

CO 55

0+50

8.24

FO.01

8.23

FO.01

0+75

8.49

7.91

CO 16

CO 74

0+25

8.12

CO.22

8.34

CO 22

0+50

8.47

7.82

CO 43

CO 08

= Ely P.L. Kettner Blvd
0+00

8.00

8.01

CO 01

0+25

8.46

7.73

CO 15

CO.88

ELY PL
KETTNER
0+00

8.44

7.64

MEET-

MEET

INDEXED

49

INDUSTRY
 OCT 30 1956

INDUSTRY 297th ST. 'E' ST to Broadway
 W 29th ST - 8-30-55 - C. Allen, C. Powell
 D. Sisson & Partners

BM = 20' Rad Point SW COR
 28th & Broadway 183.79

Station	RT or why put	Rough Grade	Top of Grade	Curb Stake	Why 1/4	d grade	ely 1/4	Rough Grade	Top of Grade	Curb Stake	ely 1/4
1780		179.53	179.02					F 8.51 169.53	178.04		
Ally 130 1764								F 6.24 171.61	177.85		
Nly of Ally 1760		C 0.77 179.62	178.85					F 5.39 172.36	177.75		
Sly of Ally 1740		C 1.48 180.23	178.75					F 3.93 173.67	177.60		
Ally 130 1736								F 3.24 174.04	177.28		
BVC 1710		C 2.53 181.13	178.60					F 1.77 174.77	176.54		
0+90		C -2.44 180.70	178.26					F 0.26 175.10	175.36		
0+70		C 3.02 180.41	177.39					C 0.71 174.45	173.74		
0+50		C 3.51 179.58	176.04					C 1.28 172.25	171.00		
BVC 0+30		C 4.26 178.43	174.17								
END PL. 'E' 0+00 ST		C 5.60 176.60	171.00			170.94					

Pave 29th St Cont

LT = Wly -

Station	LT or Wly GUT	Rough Grade	Topcb Grade	curb stake	Wly 1/4
---------	------------------	----------------	----------------	---------------	------------

end depressed
1462⁵ Curb on eLy

Begin Depressed
1437⁵ Curb on ELY

Sly PL
3+00
adway.

182.56

182.10

0.130
2+94
01.44
183.74 182.30

F0.35
181.35 181.70

2+70
01.491
182.96 181.47

F0.02
180.76 180.78

EVC
2+40
00.94
181.37 180.43

01.07
180.68 179.61

2+20
00.60
180.41 179.81

F0.12
178.80 178.92

2+00
00.26
179.60 179.34

F8.42
169.98 178.40

RT = eLy.

51

Grade	eLy 1/4	Rough Grade	Topcb Grade	curb stake	eLy GUTT
-------	------------	----------------	----------------	---------------	-------------

INDEXED

E 5th - 28th to 29thW 0th 32nd 85 - 8-30-55

Dwg 11576-2 - C. ALLEN

OCT 30 1955

Note: Curb in place gutter

grades only. (crow's feet
set OCT 4-

RT = 5/4

52

Station	RT or Nly. GUTTER Grade	Top of cb grade Per Plan	GUTTER Grade	Top Curb Grade Per Plan
ely line at alley 1+60	180.30	180.80	179.08	179.58
wly line alley 1+40 - BVC	178.15	178.65	176.84	177.34
EXC. 1+10	174.65 ^v	175.15 ^v	173.40	173.90 ^v
1+00	173.52 ^v	174.02 ^v	172.40	172.90
BVC 0+90	171.90 ^v	172.40 ^v	171.00	171.50 ^v
0+60	167.26 ^v	167.76 ^v	166.50 ^v	167.00 ^v
0+30	162.63 ^v	163.13 ^v	162.00 ^v	162.50 ^v
ELY PL 28 th 0+00 ST	158.00	158.00	157.50	158.00

RT = 5/4

Station	at or nly Gutter grade	Top cb grade Per plan	GUTTER Grade RT=5/4	Top of curb Grade Per plan
3+70	178.15	178.65	177.15	177.65
3+50=BVC	179.46	179.96	178.50	179.00
3+25	181.10	181.60	180.15	180.65
EVC 3+00	182.75	183.25	181.80	182.30
2+80	183.67	184.17	182.85	183.35
2+60	184.10	184.60	183.40	183.90
2+40	184.23	184.73	183.45	183.95
2+20	183.91	184.41	183.05	183.55
2+00	183.16	183.66	182.05	182.55
1+80	181.85	182.35	180.50	181.00

Station	LT or Nly Gutter	Nly top of Curb per Plan	RT or Sly Gutter	Sly top of Curb per plan
RT 5+62 = Ch B C			168.40	168.95
WYRL 2972 5+60 =	169.46	169.96	168.50	169.00
5+52 = Ch B C LT	169.76	170.26		
5+30 = 2' only.				
5+25	170.87	171.37	169.81	170.31
5				
5+00	171.90	172.40	170.75	171.25
4+75	172.95	173.45	171.80	172.30
4+50 = EVC	174.00	174.50	172.85	173.35
4+30	174.85	175.35	173.70	174.20
4+10	175.85	176.35	174.70	175.20
3+90	177.00	177.50	175.85	176.35

STORM Drain - Nly of ocean view
 Blvd + Ely of 33rd St
 Sec Dwg 2824-D - No # 21307
 C. Allen 9/8/55
 BM = 33rd + ocean view = 14.92

INDEXED - Bancroft to Payne St
 W. Webster - No # 21307
 OCT 30 1956 Dwg 2824D

Station	IE	Stake	CUT	Station	IE	Stake	CUT
				CONT on page		50.740	C 3.58
				1+39.30	43.82	47.88	C 4.06
						844	C 3.76
1+77 ±	4.76			1+35.55	44.68	48.87	C 4.19
						854	C 3.34
= Wly Top 1+63 Channel	4.84	14.37	C 9.53	1+31.80	45.20	49.03	C 3.83
						928	C 3.86
1+50	4.90	14.98	C 10.08	B.V.C. 1+28.05	45.42	49.95	C 4.53
						076	C 4.67
1+20	5.05	9.68	C 4.63	E.C. 1+15.95	46.09	50.27	C 4.18
1+00	5.15	9.62	C 4.47	= 1/2 curve 1+06.13	46.63	51.38	C 4.75
0+75	5.28	9.55	C 4.27	B.C. 0+96.32	47.17	52.52	C 5.35
0+50	5.40	9.11	C 3.71	0+64.22	48.95	54.64	C 5.69
0+25	5.53	9.36	C 3.83	0+32.11	50.91	57.28	C 6.56
= 210. Ely of Ely Line 33rd 0+00	5.65	9.85	C 4.20	= Ely of Type 0+00 of Ca. Bancroft	52.47	58.69	C 6.22

Drain Bancroft to 33rd
IN WEBSTER - DWG 2824-D

Drain in Webster ST elev of 56
35rd DWG 2824-D

Station	IE-	Stake	CUT	Station	IE Drain	elev stake	CUT
		6.30 off 21.9	C6.79				
end of Line 2+70.04	14.40	20.20	C5.80	end Line 3+37±	7.04	17.46 17.52	C10.48 C10.42
2 type 6 C.O. 2+30.04	14.60	10 off 0.10 54/0.63 20.86	C5.50 C6.03 C6.26	3+00	7.41	18.25 18.41	C11.00 C10.82
2 cutoff wall 1+94.93	26.01	6.75 28.80	C6.24 C2.79	2+66.66	7.74	17.02 16.77	C9.03 C9.24
= F.C. 1+62.93	36.21	2.90 42.41	C6.67 C6.70	2+33.33	8.07	8.13 7.24 17.24	C9.11 C-9.17
M.P. curve 1+53.11	39.37	4.26 45.60	C4.89 C6.23	2+00	8.41	8.49 17.04	C-8.81 C-8.55
F.V.C. + B.C. RT 1+43.30	42.53	6.66 47.31	C4.13 C4.78	1+66.66	8.74	8.84 17.28	C-8.81 C-8.44
				1+33.33	9.07	9.19 17.41 17.44	C-8.37 C-8.32
				1+00	9.40	9.54 17.98	C-8.68 C-8.44
				0+66.66	9.74	9.90 18.11 17.98	C-8.21 C-8.24
				0+33.33	10.07	10.25 18.58	C-8.37 C-8.33
				0+00	10.40	10.60 18.98	C-8.58

INDEXED

3rd EL Cajon To

W/TH 32356 - 10/6/55
LT=ELY RT=WLY

Rough Grade only 57

See page 66 RT=WLY
for final grades

Station	Grade Stake	Top curb Grade	Rough Grade	Top cb Grade	Station	Rough Grade	Top Cb Grade	Rough Grade	Top cb Grade
1+86 ⁵²	C1.53 98.05	396.52	C0.44 96.46	2' back PL 396.02	4+14 ²⁴	C2.84 81.25	'x' 378.41	F3.66 74.25	2' back 77.91
1+66 ⁵²	C1.21 98.26	397.05	C0.15 96.70	396.55	3+80 ³⁸	C4.07 86.20	382.13	F6.40 75.23	81.63
BVC 1+46 ⁵²	C1.08 98.46	397.38	C0.53 97.41	396.88	3+46 ⁵²	C1.57 87.42	385.85	F1.14 84.21	385.35
1+16 ⁵²	C0.56 98.30	397.74	C0.7 97.9	397.24	3+26 ⁵²	C1.60 389.52	chise'x 387.92	F0.68 86.74	387.42
E.V.C 0+86 ⁵²	C0.23 98.34	398.11	C0.65 97.26	397.61	3+06 ⁵²	C1.96 91.70	389.74	C0.10 89.34	389.24
0+66 ⁵²	C0.87 98.98	ON P.L. 398.17	C0.37 98.04	397.67	2+86 ⁵²	C2.18 92.88	390.70	F0.52 90.29	390.81
0+46 ⁵²	C0.60 98.30	ON P.L. 397.70	C0.65 397.85	397.20	2+66 ⁵²	C2.78 95.08	392.30	F1.18 90.97	392.17
0+26 ⁵²	C0.85 97.65	X 0.25' bk 396.80	F0.25 395.95	396.20	2+46 ⁵²	C2.36 96.17	393.81	C0.15 92.28	392.57 393.31
BVC 0+06 ⁵²		395.60		394.60	2+26 ⁵²	C2.38 97.28	394.90	F0.19 94.21	394.40
sigline 0+00 EL CAJON Blvd					2+06 ⁵²	C1.84 97.65	395.81	C0.08 95.39	395.51

Pave LT = eiy		53rd Cont.		RT = wly.		LT = eiy -		RT = wly 50	
Station	Rough Grade	Curb Grade	Rough Grade	Curb Grade	Station	Rough Grade	Curb Grade	Rough Grade	Curb Grade
<i>See page 70 for final ch Grades</i>									
Midpt Ch. 6+49.06 5°43'		349.50		350.00	Trojan 8+934	Meet	334.61		333.85
B.C. 6+43.13	C1.79 52.01	350.22	C0.77 51.49	350.72	cbpc LT 8+79.99		335.11		
					cbpc RT 8+76.35				334.73
6+08.10	C1.05 56.19	355.14	F1.56 'X' 54.08	355.64	8+5772	C0.16 36.58	336.42	C0.73 36.55	335.82
E.C. 5+73.08 ch 25.44 21°44'20"	C0.40 60.45	360.05	F1.25 59.30	360.55	8+2205	F0.19 38.30	338.49	C0.28 38.32	4' back 338.04
<i>From here slopes are ch grades</i>									
5+47.55 ch 19.98 15°38.65'	C1.82 66.14	364.32	F0.74 62.91	363.65	7+8638 (35.67)	C1.22 41.78	340.56	C1.71 41.97	340.26
5+27.55 ch 19.98 10°52.17'	C-2.36 69.12	366.76	C0.31 67.01	366.70	7+502 (35.67)	F0.20 542.43	342.63	C0.9 43.4	342.48
5+07.55 ch = 25.48 6°05.69	C5.66 73.23	367.57	C1.25 69.45	368.20	E.V.C. 7+1504	C0.89 45.59	344.70	C0.61 45.31	344.70
P.R.C. 4+8203 ch 33.89 21°44'20"	C-3.94 74.89	370.95	C0.56 371.01	370.45	6+9504	C1.28 47.28	346.00	C0.44 46.44	346.00
4+4810 ch 33.83 17°32.86	C6.86 81.55	374.69	F1.26 72.93	374.19	6+7504	C0.79 48.09	347.30	C0.50 47.80	347.30
					E.C. 6+5504	C2.65 51.55	348.90	F0.40 49.00	2' back 349.40

INDEXED

OCT 30 1956

ave - Delta ST, 42 to 43rd
 No # 32563 - 10-21-55 - Allen, Sisson, Parker
 DWG - D - 2834, P - Drain = DWG 5873-13.

Sta.	N1/4 LT 90T	LT = Rough Grade	N1/4 - Curb Grade	Owns Stake	LT or N1/4
(32.46)					
1480		F7.56 54.26	61.82	F0.12 61.70	
EVC 1460		F5.56 57.40	62.96	F0.24 62.72	
1440		F4.42 59.60	64.02	F0.19 63.83	
1420		F4.60 60.33	64.93	F0.09 64.84	
1400		F5.99 59.68	65.67	F0.20 65.47	
0480		F5.38 60.87	66.25	F0.22 66.03	
0460		F5.92 60.74	66.66	F0.24 66.42	
BVC 0440		F6.29 60.64	66.93	F0.31 66.62	
CB/BC 0410			67.18	F0.19 66.99	
Ely of 42nd 0400 =		F5.67 61.60	67.27		

Powell. FB 2129 -
 NB
 Pave Delta - 42 to 43rd

RT = Sly Curb 6v	RT = Sly Curb 6v	RT = Sly Curb 6v	RT = Sly Curb 6v
		C4.18 65.20	C0.11 61.13
		C4.80 66.96	C0.09 62.25
		C-6.29 69.51	C0.05 63.27
		C5.98 70.11	F0.12 64.01
		C6.41 71.28	F0.19 64.68
		C6.35 71.80	F0.18 65.27
		C6.05 71.91	F0.24 65.62
		C-5.69 71.82	F0.07 66.06
			F0.11 66.27
		C4.86 71.33	66.47

Pave Delta ST -

42nd to

43rd

DWG - 2834-D FB 2129 60

RT = 5/4

Station	LT in N/4 9UT	LT = N/4 Rough Grade	Curb Grade	Curb Stake	N/4 1/4	of grade	5/4 1/4	Rough Grade	Curb Grade	Curb Stake	RT or 5/4 9UT -
5 SL#10 RT 2+40=11	49.4										
13 2+35=WR - 57.88=T.C. - F0.07											
1 1+90=SH RT - 55.6=EARPROP - C-9.35											
1 1+85=WR T.C.=60.73 - C0.16											
Cb MC Sub Line 1 (RT ONLY)											
3+17.78 Cb MC								F6.69		F0.52	
3+16.29 (Cb MC) L			54.16	F0.16				46.10	53.12	52.60	
RT ONLY - 3+08.37											
									53.80	F0.85	53.30
1 LT ONLY - 3+06.47	54.10	F4.13		F0.40							
		50.47	54.60	54.20							
(8.10)											
1 END C.B. C0.51		F4.64		F0.32							
2+98.37	54.24	50.43	55.07	54.75	53			F7.20	54.27	F0.93	F0.10
								47.07		53.34	53.44
(1) Basin - T.C. = F0.32 - 9UT = C 0.61 (11" curb)											
Begin C.B. C0.38											
2+87.37	54.86		55.69	F0.45						F1.04	F0.21
				55.24					54.89	53.85	54.06
(10)											
END SCBPG		F6.53		F0.48							
2+77.37	55.76	49.73	56.26	55.78				F5.61	55.46	F0.67	
								48.85		54.79	54.96
(32.45)											
		F9.0		F0.32							
2+44.92		49.13	58.12	57.80				F3.07	57.32	F0.29	
								54.25		57.03	
(32.46)											
		F8.25		F0.20							
2+12.46		51.72	59.97	59.77				C2.18	59.17	C0.06	
								61.35		59.23	

For Returns See DWG 5732-13-

Curb Grades 53rd St
See Page 57
LT = ELY

RT = WLY

61

Station	ELY RT-LT	Curb Stake	Curb Grade	Grade
---------	--------------	---------------	---------------	-------

Station	RT = WLY GOT	Curb Stk	Curb Grade
---------	-----------------	----------	---------------

Void See

Page 61

Pave Delta ST - 4151 to 42nd

DWG 92834 D - BME swly and curb 4151 to Delta 62

LT Nly
9UT

RT = Sky - 71.30

Sta	Rough Grade	Curb Grade	Curb Stake	LT 1/4	Grade	RT 1/4	Rough Grade	Curb Grade	Curb Stake	Sly 9UT
4700	C3.50 73.07	69.57	F0.23 69.34				F2.74 66.03	68.77	F0.39 68.38	
3470	C2.89 72.72	69.83	F0.15 69.68				F3.12 65.91	69.03	F0.42 68.61	
3440	C2.84 72.94	70.10	F0.16 69.94				F1.23 68.07	69.30	omit due to cut	
3410	C1.99 72.35	70.36	F0.04 70.32				C0.84 70.40	69.56	F0.03 69.53	
2480	C1.58 72.20	70.62	F0.09 70.53				C1.52 71.34	69.82	F0.26 69.56	
2450	C1.01 71.90	70.89	F0.22 70.67				C0.85 70.94	70.09	C0.01 70.10	
2420	C1.1 72.2	71.15	F0.40 70.75				C0.50 70.85	70.35	F0.24 70.11	
1490	C1.28 72.70	71.42	F0.39 71.03				F0.23 70.39	70.62	F0.53 70.09	
1460	C2.77 74.45	71.68	F0.34 71.34				F0.98 69.90	70.88	F0.37 70.51	
S#4 RT 1440	C-1.74 68.0									
1435 WIRT										
S#8 LT 1435	C6.18 67.7									
W LT 1430	F0.15 75.75 water	also water 71.94	F0.26 71.68				F2.12 69.02	71.14	F0.33 70.81	
1400	C-6.9 79.1	72.21	F0.15 72.06				F2.40 69.01	71.41	F0.28 71.13	
S#11 LT 0490	C11.2 68.4 IE									
W LT 0485	F0.73 71.61	72.34								
0470	C-8.7 81.2	72.47	F0.19 72.28				F2.30 69.37	71.67	F0.27 71.40	
0440	C9.06 81.80	72.74	F0.40 72.34				F2.40 69.54	71.94	F0.20 71.74	
WBC 0410		73.00	F0.33 72.67					72.20	F0.41 71.79	
Elypt. 4151 0400	C9.8 83.2	73.38					F1.85 70.05	71.90		

Water
71.10

Pave Delta - 41 to 42 Cont
LT = N17

RT = S17

63

Sta	N17 GUTTER	Rough Grade	curb Grade	curb Stake	LT 1/4	± Grade	RT 1/4	Rough Grade	curb Grade	curb Stake	S17 GUT
W/lot 426 6+00.74		F2.01 65.79	67.80					C0.01 67.01	67.00		
C.B. B.C. 8+90.74			67.89	F0.20 67.69					67.09	F0.28	
5+70		F0.32 67.75	68.07	F0.15 67.91				F0.33 66.94	67.27	F0.13 67.14	
5+50		C1.03 69.28	68.25	F0.09 68.16				F2.1 65.40	67.45	F0.09 67.36	
5+20		C1.70 70.21	68.51	C0.09 68.60				F3.3 64.4	67.71	F0.19 67.52	
5#5 RT 4+90	C-3.1 62.9	C-3.39 72.17	68.78	F0.02 68.76				F3.0 65.0	67.98	F0.32 67.66	
W-RT 4+85								F0.67 67.35	water 68.02		
4+60		C3.86 72.90	69.04	C0.10 69.14				F1.80 66.44	68.24	F0.22 68.02	
4+30		C4.48 73.78	69.30	F0.05 69.25				F0.95 67.55	68.50	F0.42 68.08	

INDEXED

OCT 30 1956

W/ly RL 41ST
6 to 00.50

5790.50

5770.50 Nly
only

Delta ST. 40th to 41ST

LT=Nly Top
Curb Grade

Nly GUTTER
grade

72.94

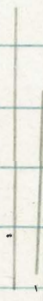
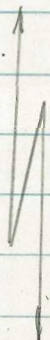
72.25

72.50

71.82

72.23

71.73



Curbs in place -
See DWG 2833-D
F13 2129

RT-Sky 67

Sky
GUTTER

Sky Curb
Grade

71.15

71.40

71.01

71.50



2760 SL#3 RT

RAKE

63.80

RAKE
C413

1415 = Wat RT

1460 - SL#2 RT

61.9 C512

1415 = Wat. RT

1410 = SL#1 RT

61.1 - C580

2710 = SL#0 C

rcw BC.

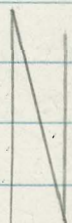
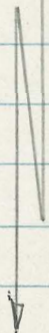
= Ely RL. 40th
0 to 0

64.50

64.00

RAKE

RAKE



63.00

63.50

INDEX

Co-op Drain at 43rd & Delta St
 See DWG 5873-B + 2834-D
 # 21573-10/20/55

OCT 30 1958

Station

IE Drain

Elev of Stake

Cut or Fill

Sta

IE Pipe

state

COT

BM = Pav Nail & Delta + 43rd - el = 52.36

FB 2/29
%

Staked 5' w/ly L of 18" R.C.P.

Line Delta - 44'

2+12 = Nly 66 48.47

50.64

C 2' 17"

Delta ST

1+92 = 47.88

50.26

C 2' 30"

Curb Line Delta

1+72 = 47.30

49.74

C 2' 44"

Sly R.L. Delta

1+52 = 46.81

49.08

C 2' 27"

3+16.8

49.52

53.36

C-384

= end of line

1+25

46.05

48.61

C 2' 53"

1+00

45.35

48.15

C 2' 20"

2+83 =

49.18

55.40

C-622

Type 6 con.

0+75

44.65

48.28

C 3' 63"

0+50

43.95

47.91

C-396

2+56 =

48.92

52.75

C 3' 83"

0+25

43.25

46.63

C 3' 38"

2+30

48.65

50.41

C 1' 76"

5' Sly off Alley
 Block 499 (200 pgs)
 0+00

42.55

44.85

C-2' 30"

See DWG 5889-B.

LT = eLy. Pares 3rd ST
 EL CO TO T₁ ST
 see page 57

RT = Wly.

66

Station	LT = eLy 90T	curb stake	curb Grade	curb stake	curb grade
1490 ¹⁶					
1486 ⁵²		C0.52 397.04	396.52	C0.22 96.44	96.02
1470 ¹⁶					
1466 ⁵²		C0.68 97.73	397.05	C0.18 96.73	96.55
BVC 1450 ¹⁶					
BVC 1446 ⁵²		C0.75 98.13	397.38	C0.75 97.63	96.88
1420 ¹⁶					
1416 ⁵²		C0.24 97.98	397.74	C0.76 98.00	97.24
EVC 0490 ¹⁶					
EVC 0486 ⁵²		C0.13 98.24	398.11	C0.21 97.82	97.61
0470 ¹⁶					
0466 ⁵²		C0.42 98.59	398.17	C0.38 98.05	397.67
0450 ¹⁶					
0446 ⁵²		C0.42 98.12	397.70	C0.01 97.21	397.20
0430 ¹⁶					397.20
0426 ⁵²		C0.27 97.07	396.80	F0.43 95.77	396.20
BVC 0410 ¹⁶					
BVC 0406 ⁵²		F0.28 95.32	395.60		394.60
0400					
Sly Line Elevation 0400	Meer		394.58		94.50

Curves on 53rd ST Between
each curve handled separate -
LT = ELY.

Curb Grade on ELY of 53rd - Beginning
at 3+06.5² To

	Curb Grade	Curb Stake
PRC = 2' back 1+64.01 = 4+82.02	370.95	C0.26 371.21
21° 44.33' (30.26)		
1+33.75	374.51	C0.74 374.25
17° 43.66 (30.26)		
1+03.49	378.07	C0.82 378.89
13° 43.01' (30.26)		
0+73.23	381.63	F0.70 80.93
9° 42.36 (17.92)		
0+55.31	383.74	F0.41 83.33
7° 19.85 (17.91)		
0+37.40	385.85	F0.47 385.38
4° 57.42 (18.70)		
0+18.70	387.92	C0.54 88.46
2° 28.71 (14.01)		
0+04.69 P.C.C.	389.28	C0.67 89.25
0° 37.30'		
0+00 = B.C. = 3+06.5 ²	389.74	

El Cajon + Thotano

68

Curb Grade on WLY of 53rd beginning
station 3+06.5² to 4+82.02
RT = WLY

Station
BM = Nail in PPA 4350 - el = 384.76

0+45 5° 14.25' = water RT 385.61 - C0.01
385.10 TS

	P.R.C.	F0.39
1+86.78	370.45	370.06
21° 44.33' (31.73)		
1+55.05	373.73	C0.15 373.88
18° 02.69 (31.73)		
1+23.32	377.01	F0.46 376.55
14° 21.11' (31.72)		
0+91.60	380.29	F0.49 379.80
10° 39.60' (24.5)		
0+67.10	382.82	F0.17 382.65
7° 48.57' (24.5)		
0+42.60	385.35	F0.07 385.28
4° 57.48' (21.30)		
0+21.30	387.42	C0.06 87.48
2° 28.74'		
3+06.5 ²		
0+00 =	389.24	C0.81 390.05

Curve # 2 - Ely curb - Beginning # 82.02
 TO E.C. 5+73.08

Station	Curb Grade	Curb Stake
---------	---------------	---------------

See page 70

1+02.44 = E.C.	360.05	F0.15 59.90	= 5+73.08 1990.58
21° 44.33' (23.25)		C0.50	
0+79.19	363.40	63.90	
16° 48.27' (9.23)		C0.78	
0+69.96	364.78	65.56	
14° 50.75' (8.84)		C0.07	
0+61.12	366.00	66.07	
12° 58.20' (8.48)		C0.11	
0+52.64'	366.76	366.87	
11° 10.23' (17.56)		C0.30	
0+35.08	368.15	68.45	
7° 26.64' (17.54)		F0.07	
2' back 0+17.54	369.55	69.48	
3° 43.32' (17.54)		C0.26	
1+64.01 - Page 68. 0+00 = PRC	370.95	71.21	

Curve # 2 - Wly curb - Beginning 69
 AT 4+82.02 TO 5+73.08

See page 70

For Curb Grades have our use.

			F0.42
= 5+73.08 reverse	0+79.68 = EC	360.55	60.13
	21° 44.33' (21.70)		
	0+57.98	363.62	
	15° 49.13' (21.70)		
0+44, water RT	12° 00.28'	365.61	65.92 - C0.31
	0+36.28	366.70	F0.36 366.34
	9° 53.90' (14.92)		
	0+27.36	368.27	F0.22 68.05
	5° 49.66' (14.91)		
	0+06.45	369.84	F0.25 69.59
	1° 45.58'		
	1+86.78 -		
	0+00 = PRC	370.45	70.06 - F0.39

Curbs 53rd. EL Cañon to Trojan
LT = ely.

Station	LT or ely 90T	Curb Stake	Curb Grade
M4 - P.L. Troj 849341			334.61
P.L. 20. 847999		F0.01 35.10	35.11
Prop BC RT 847552			35.11
845722		F0.08 36.34	36.42
842205		F0.30 38.19	38.49
748638		C0.15 40.71	40.56
745071		F0.08 42.55	42.63
EVC 741504		C0.42 45.12	44.70
649504		C0.76 46.76	46.00
647504		C0.22 47.52	47.30
E.C. 645504		C1.06 49.96	48.90
MID PT CV 644906		C0.71 50.21	49.50
BC + BVC 644313		C0.51 50.73	50.22
640810		F0.18 54.96	55.14
E.C. 547308		F0.10 359.90	F0.15 360.05 359.90

CONT. FROM B.C. AT 547308 (Page 587)
To T. J on
RT = wly.

Curb Stake	Curb Grade
	333.85
C0.02 34.75	334.73
F0.19 35.63	35.82
Grade 38.04	38.04
C0.88 41.14	40.26
C0.61 43.09	42.48
C0.66 45.36	44.70
C0.64 46.64	46.00
C1.15 48.45	47.30
C0.70 50.10	49.40
C0.30 50.30	50.00
F0.15 50.57	50.72
F0.84 54.80	55.64
F0.42 60.13	60.55

INDEXED

OCT 30 1956

Golden Grove Sewers - Hilltop Dr
 46th ST, COTTON ST, C ST
 DWGS 2140D - 2141-D - 10524-L
 HILL - C. ALLEN -

Station	I.E. Sewer	Stake	COT
7+16.28	167.31 ✓	78.20	10.89
6+82.73	167.17 ✓	77.73	10 ⁵⁶
2 MH#9 6+49.18 =	167.03 ✓	77.40	10 ³⁷
6+02.18 { 5 PTS 47° each	165.60 ✓	76.68	11 ⁰⁸
5+55.18	164.17 ✓	75.77	11 ⁶⁰
5+08.18	162.74 ✓	73.71	10 ⁹⁷
4+61.18	161.31 ✓	71.02	09 ⁷¹
2 MH#10 4+14.18	159.88 ✓	67.81	79 ³
3+68.18	159.32 ✓	64.95	5 ⁶³
3+22.18	158.79 ✓	63.22	4 ⁴³
2+76.18	158.26 ✓	61.81	03 ⁵⁵
2+30.18 { 5 PTS 46.00 } 2 MH#11	157.73 ✓	60.65	02 ⁹²
1+84.18 = Begin encasement	157.20 ✓	59.76	02 ⁵⁶
1+44.18	156.62 ✓	60.20	03 ⁵⁸
1+00	155.94 ✓	60.50	04 ⁵⁶
0+75	155.55	60.43 ✓	04 ⁸⁸
0+50	155.17	60.27	05 ¹⁰
0+25	154.79 ✓	59.83	05 ⁰⁴
DWG 10524 - GWT MH 5 w/ 45 th Dr 0+00 = exist Hill Top	Meet 154.41		

Staked 5' RT up stream
 BM: PK at 146³⁸ FB 2178-23-

Station	I.E.	Stake	COT	Notes
0+61 ⁰⁴	168.65	83.46	C14 ⁸¹	10 Parts of 30.52
0+30 ⁵²	168.53	83.16	C14 ⁶³	
2 MH#1 0+00	168.41	84.07	C15 ⁶⁵	2 MH#1
395.20 of curve Crotch - Sewer in 46 th ST - Hilltop to Sly 'A' ST				
1+70 = Plug	182.86	88.40	C5 ⁵⁴	
1+36	179.97	87.52	C7 ⁵⁵	5 Parts of 34'
1+02	177.08 ✓	86.54	C9 ⁴⁶	
0+68	174.19	85.76	C11 ⁵⁷	
0+34	171.30	84.88	C13 ⁵⁸	
= 2 MH#1 0+00	168.41	84.07	C15 ⁶⁶	
170' of Sewer MH#1, 170' of 46 th				
MH#1 9+84 ¹⁰	168.41	84.07	15.66	at 46 th Hilltop
9+51 ¹³	168.29 ✓	83.10	14.81	
9+17 ⁵⁸	168.15 ✓	82.25	14.10	
8+84 ⁰³	168.01	81.36	13.35	10 Parts of 33.55
8+50 ⁴⁸	167.87 ✓	80.53	12.66	
8+16 ⁹³	167.73 ✓	79.81	12.08	
7+83 ³⁸	167.59	79.22	11.63	
7+49 ⁸³	167.45	78.72	C11 ²⁷	

Garden Grove Sewers

Cont } T.P. Power pile SELY 71
 cor 46th + C - el = 179.06

Station	IE Sewer	Stake	CUT	Station	IE	Stake	CUT
6+77 ²⁰ } 10' pts } 36'	172.27 ✓	177.89	5.62	0+95 ¹⁹	171.79	178.10	6.31
6+41 ²⁰ } & MH#3	171.55	177.38	5.83	0+63 ⁴⁴	171.47	177.89	6.42
6+05 ²⁰ & cotton	170.83 ✓	176.58	5.75	0+31 ⁷³	171.15	177.37	6.22
5+75 ²⁰	170.71	176.45	5.74	0+00	170.83	176.58	C5.75
5+45 ²⁰	170.59	176.44	5.85	Connecting line to MH#6 - & cotton			
5+15 ²⁰	170.47	178.39	7.92	0+00 = & MH#3 in & 46 th + C' st			
4+85 ²⁰	170.35 -	80.33	9.98				
4+55 ²⁰	170.23 ✓	82.62	12.39	plug 11+55 ²⁰	184.11	191.15	C-7.04 = PLUG Sly of 'A' st
4+25 ²⁰	170.11	84.46	14.35	11+17 ²⁰	182.91	190.38	C-7.47
END CEMENT 3+95 ²⁰	169.99	185.50	15.51	10+79 ²⁰	181.69	189.15	C-7.46 SPTS OK 3800'
3+65 ²⁰	169.87	186.41	16.54	10+41 ²⁰	180.47	88.04	C7.51
3+35 ²⁰	169.75	186.45	16.70	10+03 ²⁰	179.25	86.20	C6.95
& MH#2				& MH#4			
3+05 ²⁰	169.63	86.70	C17.07	9+65 ²⁰	178.03	85.12	C-7.09 & MH# 4
2+74 ⁶⁸	169.49	86.60	C17.11	9+29 ²⁰	177.31 ✓	84.10	C6.79
2+44 ¹⁶	169.37 ✓	86.63	C17.26	8+93 ²⁰	176.59	83.03	6.44
2+13 ⁶⁴	169.25 ✓	186.32	C17.07	8+57 ²⁰	175.87	82.22	6.35
1+85 ²⁰ = chimney				8+21 ²⁰	175.15	81.25	C6.10
1+52 ⁶⁰	169.01	85.20	C16.19	7+85 ²⁰	174.43 ✓	180.67	6.24
1+22,08	168.89 -	84.52	C15.63	7+49 ²⁰	173.71 ✓	79.76	C-6.05
0+91.56	168.77	83.73	C14.96	7+13 ²⁰	172.99	178.65	C5.66

10 party
3172

Sta-	IE Sewer	Stake	COT		Station	IE	Stake	COT	
2+88	183.54	191.26	C-772	10 parts of 32' each	3+75	185.00	97.93	12.93	
2+56	182.48	190.16	C-768		3+50	184.80	97.93	13.13	
2+24	181.42	189.05	763		3+25	184.60	97.66	13.06	
1+92	186.36	188.20	784		3+00	184.40	97.03	12.63	
1+60	179.30	87.29	C-799		2+75	184.20	96.23	12.03	
1+28	178.24	186.38	814		4 MHH#4				4 MHH#4
0+96	177.18	185.28	810		2+50	184.00	95.15	11.15	
0+64	176.12	84.37	825		2+00	182.00	92.47	10.47	
0+32	175.06	83.26	820		1+50	180.00	88.98	8.98	5 parts of 30' each
MHH#6					1+00	178.00	85.55	7.55	
0+00	174.00	82.76	876	0+50	176.00	83.35	7.35		
Going Nly-toward A's T					0+00	174.00	82.58	8.58	
0+00 = 4 MHH#6 - 4 Cotton + c's					Going Sly toward Hill top				
					0+00 = 4 MHH#6 - 4 Cotton + c				
4 MHH#6				10 pts of 31.72	<hr/>				
3+172	174.00	182.58	C-8.58		PLUG				PLUG
2+85 ⁷⁸	173.71	182.08	8.37	Connecting line 4673 2' ST to Cotton + c's	4+70	189.96	98.39	C-8.43	
2+53 ⁷⁶	173.39	181.60	8.21		4+40	188.88	97.00	C-8.12	
2+22 ⁰⁹	173.07	180.83	7.76		4+10	187.00	95.77	C-8.77	5 parts of 30'
1+90 ³²	172.75	180.11	7.36		3+80	186.72	94.53	C-7.81	
1+58 ⁶⁰	172.43	179.34	6.91		3+50	185.64	93.34	7.70	
1+26 ⁸⁸	172.11	178.66	6.55		4 MHH#5	184.68			4 MHH#5
					3+20	184.56	92.29	C-7.73	

Garden Grove Sewers cont

Station	IE	Stake	CUT
---------	----	-------	-----

plug- 1+75	175.75	86.28	C10 ⁵³
1+50	175.50	85.50	C10 ⁰⁰
1+25	175.25	84.74	C-949
1+00	175.00	84.16	C-916
0+75	174.75	83.75	C-900
0+50	174.50	83.50	C9.00
0+25	174.25	82.85	C860

0+00 - MH#6 174.00
 Private Cont. Sewer from MH#6 Ely in
 Q of 'C' st POK 175' 1706 grade

5+60=Plug-	186.48	93.91	7.43	
5+30	186.24	94.81	8.57	
5+00	186.00	95.58	9.58	Q MH #8
4+75	185.80	96.15	10.35	
4+50	185.60	96.76	11.16	
4+25	185.40	97.35	11.95	
4+00	185.20	97.78	12.58	

INDEXED
1958

Warrington ST - Volfaine ST to Udall -

EW 0# 32507 74

4-55- Dwg 12040-L- FB1886
LT = Sly ELY

RT = N.W. 1/4 -

Station	LT 90°	Rough Grade	Curb Grade	Curb Stake	LT 1/4	d grade	RT 1/4	Rough Grade	Curb Grade	Curb Stake	RT 90°
---------	-----------	----------------	---------------	---------------	-----------	------------	-----------	----------------	---------------	---------------	-----------

BM = M.H. Swly cor Udall + Warrington = 87.65

R.L. Udall
2+00

87.80

87.25

Cb RC RT
1+97

C1.47
88.76

87.29

F0.21
87.08

Cb RC LT
1+94

C1.98
89.81

87.83

F0.15
87.68

1+70

C-3.50
91.45

87.95

F0.42
87.53

C1.88
89.33

87.45

C0.23
87.68

1+50

C3.58
91.63

88.05

F0.54
87.51

C2.24
89.79

87.55

C0.06
87.61

1+30

C3.46
91.53

88.07

F0.63
87.44

C1.14
88.75

87.61

C0.13
87.74

1+10

C3.44
91.38

87.94

F0.62
87.32

C0.96
88.54

87.58

C0.06
87.64

D+90

C0.59
88.24

87.65

F0.33
87.32

C1.95
89.42

87.47

F0.01
87.46

O+70

C0.30
87.51

87.26

F0.36
86.85

C1.52
88.80

87.28

F0.21
87.07

BVC
O+50

C0.89
87.58

86.69

F0.40
86.29

C0.95
87.99

87.04

F0.43
86.61

O+30

86.17

F0.57
85.60

86.80

F0.48
86.32

Cb RC
O+10

C2.33
87.98

85.65

F0.46
85.19

C0.35
86.92

86.57

F0.35
86.22

P.L. Volfaine
O+00

85.39

86.45

86.22

Red figures are new

INDEXED

Pave North ST - National to

Logan - W0# 32473 - 11/8/55 75

DWG # 11859-L-

FB 2304-19- C. Allen-

LT = wly - curb in place

RT = eLy -

Station	LTIC 9956 90T	wly Rough Grade	Top Curb	curb stake	wly 114	grade	eLy 114	Rough Grade	CurbGr	state Curb	eLy 90T
---------	---------------------	-----------------------	-------------	---------------	------------	-------	------------	----------------	--------	---------------	------------

LTOMJ-
1+52 65.37

65.87

ally BC
1+38

65.75 F0.37
65.38

LTOMJ-
1+20 65.05

65.55

1+00 64.90

65.40

65.26 F0.27
64.99

0+80

65.01 F0.34
64.67

Both
0+60 64.74

65.24

64.58 F0.32
64.26

0+40

64.15 F0.25
63.90

Both
0+20 64.59

65.09

63.62 C0.04
63.66

cb BCRT
0+06

63.18 C0.16
63.34

wly of National
0+00 64.45

Be
64.95

63.00

curb on wly already in place

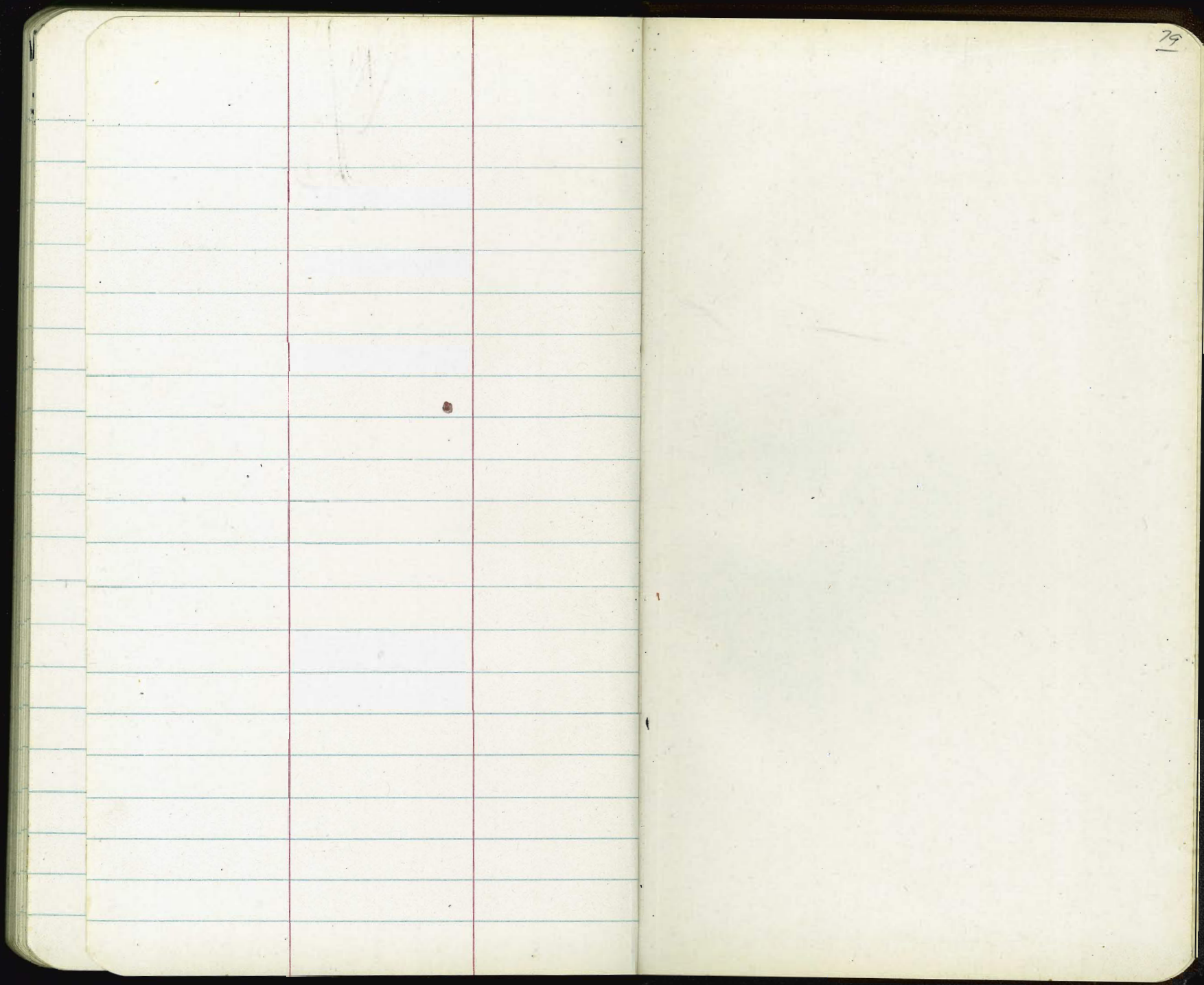
No Rough Grade stakes 500

Pave 46th Cont
 LT = wly -

RT = ely

76

Station	LT 90T	Rough Grade	Curb Grade	Curb Stake	LT 1/4	∫ grade	RT 1/4	Rough Grade	Curb Grade	Curb Stake	ely 90T
MEET ON RT 2+99 ⁹³									67.80		
CL BOLT 2+80	66.65		67.15								
2+72									67.44	CO.11 67.55	
2+44											
LT ONLY - 2+48	66.33		66.83								
2+44									67.09	CO.30 67.39	
BUT NO 2+16	66.01		66.51						66.73	CO.05 66.78	
1+88									66.38	F0.07 66.31	
LT ONLY 1+84	65.69		66.19								
alley RC 1+62									66.05	F0.13 65.92	



31.88

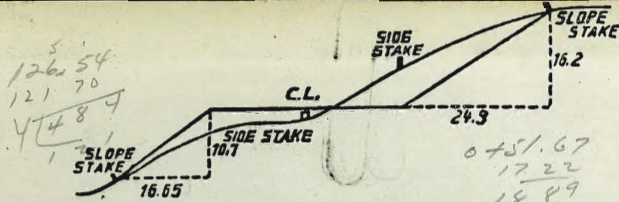
71.07
59.15
92

99
100 00
99.67
1.33

13 43 75
29 14
14
32 263 61
19 315 14
13

2412.75
31.5
244.25
24
51
75

4.2
5.2
33
1.2



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/2 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	71.25	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

THE NATIONAL BLANK BOOK COMPANY
HOLYOKE MASSACHUSETTS
NEW YORK CHICAGO BOSTON SAN FRANCISCO