

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

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope scale from side or shoulder
state for any grade roadway slope 1% to 1.
If ground is nearly level, the cut or fill

IMPROVED TABLES AND INFORMATION

TABLE No. VIII

To find Tangent and External for curve of
any other degree, divide by degree of curve and
the constant found in column of constants.
Degree of curve with a given T may be found
by dividing tangent (constant) by square T 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.

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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	.58	.65	.72	.79
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	.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	.037	.043	.049	.053	.057	.061
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	.266	.353	.440	.528	.617	.707	.797	.877	.971	1.07	1.18	1.29
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

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Stake Store in Drain Crossing
Balboa Ave + Pacific Highway
2618-D- 10/29/54 -
only Highway crossing staked this date
FB 2213-61 staked 10.514 & drain
INDIANA

XI 022054

Station	I.E. grade	Stake
end 66" pipe		C 0.75
17+93	8.60	9.35

Ec		C 10.28
17+64.63	8.76	19.04

B.C.		C 10.82
17+49.53	8.84	19.66

		C-11.24
17+25	8.96	20.20

		C 10.52
17+00	9.09	19.61

		C-9.06
16+75	9.21	18.27

Ec.		C-9.15
16+69.53	9.24	19.39

0+86 = meet
0+60 = c/5⁸⁵
0+50 = C 15.86
0+30 = C 16¹²

B.C.
15+94.05

15+94.05 on 2 sheet
= 15+86.35 FB 2213-61

Storm Drain - Morena Blvd, Balboa
 Ave + Rose Canyon Creek
 DWG 2617-D, 2618-D - FR 2213-60
 Nov 1, 1954 - C. Allen, D. Sisson, C. Powell, B. Pollen

BM - X Tei MH = 46.83

2

Station	I.E. Grade	cliv of Stake	CUT
2+25	31.57	47.12	15.55
8" v.c.			
2+00	32.00		
end Jacking 1+83.75	32.48	10' N/4 49.15 10' S/4 48.78	C-16.67 C-16.30
Begin Jacking 0+79.75 - R.R. Fill	35.54	10' N/4 49.81 10' S/4 50.31	C-14.27 C-14.77
0+70	35.83	10' N/4 52.82 10' S/4 51.41	C-16.99 C-15.58
0+60	36.12	10' N/4 51.71 10' S/4 50.38	C-15.59 C-14.26
0+50	36.41	10' N/4 51.95 10' S/4 50.16	C-15.54 C-13.75
begin 72" pipe 0+30	37.00	10' N/4 53.02 10' S/4 51.80	C-16.02 C-14.80
Edge drainage 0+10 structure	45.00		
See DWG 2617-D 0+00		2617-D See detail of drainage structure.	
BM = 'X' on SMH Morena + Balboa = EL =	52.34		

Station	I.E. Grade	cliv of Stake	CUT
5+35	26.96	39.58	C-12.62
5+00	27.48	40.66 41.37	C-13.18 C-13.89
EC 4+78.97	27.80	39.96 41.45	C-12.16 C-13.65
Mid point curve 4+77.50 R=85.5 - T=7.43 - L=14.82 - Δ=9°56' - M=1.32	27.91	41.50 40.36	C-12.59 C-12.47
B.C. 4+64.15	28.02	40.58 41.66	C-12.22 C-13.64
4+35	28.45	41.23 42.04	C-12.78 C-13.59
4+00	28.97	42.09 42.35	C-13.11 C-13.38
3+65	29.49	42.96	C-13.47
3+30	30.01	43.92	C-13.91
2+95	30.53	45.03	C-14.50
2+60	31.05	46.13	C-15.08

2.941%

Balboa Ave Drain Cont

① - Restake 12-29-54

3

Station	I.E.	Stake	Cut	Station	I.E.	Stake	Cut
8+40	21.78	32.27	C10.49	11+00	17.25	27.25	C10.00
8+05	22.46	②32.60 32.65	②C10.14 C10.19	10+65	17.84	27.45	C9.59
7+70	23.14	33.07	C-9.93	10+30	18.42	27.82	C-9.40
7+35	23.82	34.28	C10.46	9+95	19.01	28.45	C-9.44
Grade Break 6+97.77	24.54	35.46	C10.92	9+60	19.59	29.87	C-10.28
6+70	24.94	36.12	C11.18	W14 C.O. 9+26.61	20.16		
6+35	25.46	36.75	C11.29	2 C.O. 9+24.61	20.16	② 30.13	C-9.97
6+00	25.98	37.91	C11.73	E14 C.O. 9+22.61	20.16	10'S14 30.15	10'NW 30.29
						10'S14 30.15	10'NW 30.29
							C-9.99
							C-10.3
5+65.89 = EC	26.50	38.40	C11.90	9+10	20.42	②30.65	②C10.23
Mid Point Curve	26.61	38.60				30.75	C10.33
R=85.5 - T=7.43 - L=14.82 - Δ=9°56' - M.O. = C-11.99							
BC 5+51.07	26.72	38.62	C11.90	8+75	21.10	②31.19 31.06	②C-10.09 C-9.96

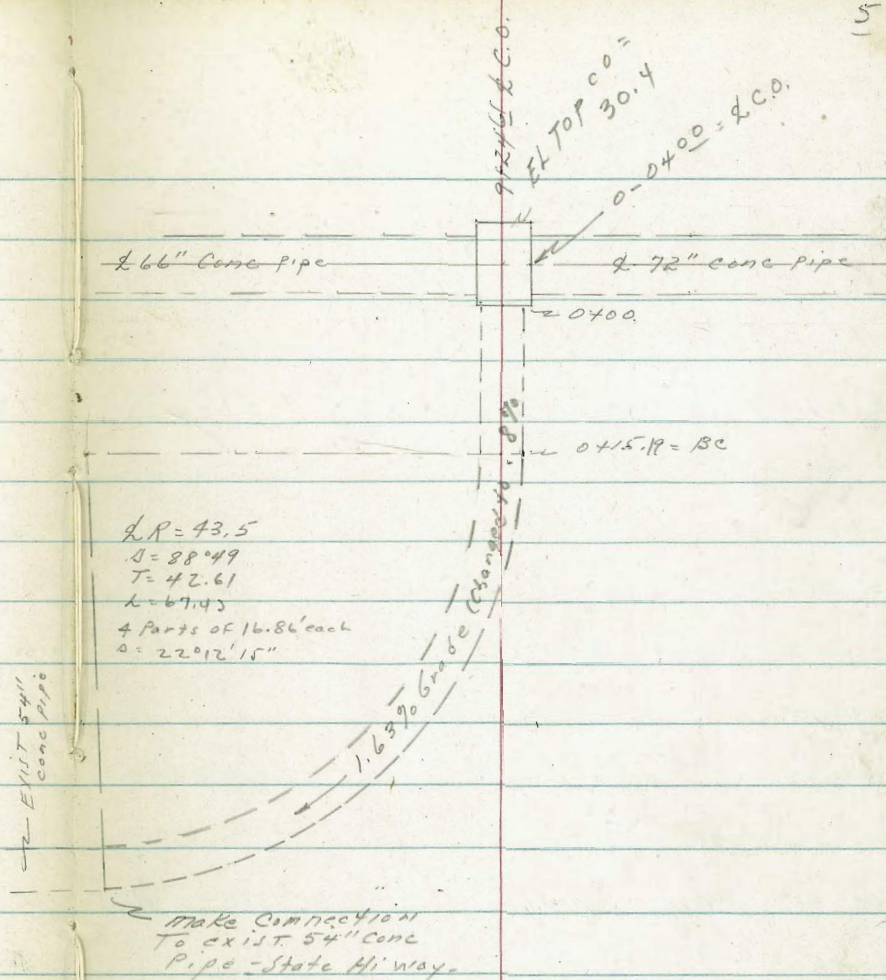
Balboa Ave Drain Cont

BM = Nail in pole

4

Station	I. E.	Stake	CUT	Station	I. E.	el. of Stake	CUT
				see page 1 -			
13+70	12.74	21.09	C-8.35	^{E.C.} 16+69.53	9.24	18.39	C-9.15
13+35	13.32	21.69	C-8.37	^{2/3 curve} 16+44.37	9.38	19.16	C-9.78
				^{1/3 = 16040}			
13+00	13.91	22.26	C-8.29	^{1/3 curve} 16+19.21	9.51	19.45	C-9.94
				$R=86.5 - \Delta=50^\circ - T=40.33 - L=75.49$			
12+65	14.49	22.79	C-8.30	^{B.C.} 15+94.05	9.63	19.40	C-9.77
^{E.C.} 12+31.21	15.06	23.18	C-8.12	15+65	9.77	18.86	C-9.09
^{Mid pt curve} 12+20.91	15.23	23.66	C-8.43	^{Brk in grade} 15+41.50	9.89	19.33	C-9.44
$R=40' - \Delta=29^\circ 30' - T=10.53 - L=20.59 - EXT=$							
^{B.C.} 12+10.62	15.40	23.97	C-8.57	15+10	10.40	19.27	C-8.87
^{E.C.} 11+82.62	15.87	24.48	C-8.61	14+75	10.98	19.83	C-8.85
^{Mid point} 11+61.67	16.22	25.72	C-9.50	14+40	11.57	20.15	C-8.58
$R=40' - \Delta=60^\circ - T=23.09' - L=41.89 - EXT=$							
^{B.C.} 11+40.73	16.57	26.02	C-9.45	14+05	12.15	20.34	C-8.19

Station	Egrade	elev of stake	Cut
Grade Changed to .8%			
Make connection 0+82.62	22.27 22.46		Meet
88°49'			
0+65.77	22.40 22.72	29.73	C. 7.33 C. 7.01
66°36'45"			
0+48.91	22.53 23.00	29.44 29.75	C. 7.91 C. 6.45
44°24'30"			
0+32.05	22.66 23.28	(30.23) 30.20	C. 7.57 C. 6.92
22°12'15"			
0+15.19 = B.C.	22.81 23.56	30.44 30.44	C. 7.63 C. 6.88
514 of Type E.C.O. 0+00	22.93 23.81	30.35	C. 6.54



Extend 18" R.C.P. Drain Under
Front ST at Quince St for 40' W/L
6922-L
Roll Dwg # 7376
WOP 20244-12-8-54 - C. Allen
D. J. Soren
C. Powell

INDEXED

Sewer Connection at Pasadena St

DMH#1	IE	Stake	Station	IE. grade	el of Stake	Cut or fill
0+54.06	16.61	29.05 - C/12.44				
0+27.03	16.07	27.85 - C/11.78				
EXIST MH @ Balboa Ave. 0+00	15.53	27.41 - C/11.88				
Lower 4" Sewer Lateral connect to exist 0+44.5	20.70	32.97 - C/12.27				
0+22.2	20.25	32.95 - C/12.70				
connect to exist 12" Sewer Main 0+00 @ Balboa	19.81	33.17 - C/13.36				
Lower 8" V.C. Sewer Main El of Pasadena St						
const DMH#2 0+48.53	19.24	31.49	C/12.25	0+40	174.64	176.87 C-2.23
				0+20	176.38	181.44 C 5.06
0+24.26	18.82	31.08	C/12.26			
exist MH @ Balboa 0+00	19.78	31.10	C-13.32	EXIST 18" R.C.P. 0+00 = wly end	178.13	Meet Meet

Elev at Wly end of 40' extension of R.C.P.

Lowered to meet exist ground per

instructions on Dwg 6922-L

Stake Alley (T') Block 14, F.T. Scripps
 Addition To La Jolla Park
 DW 911409-2- FB 2266-48
 12-15-54 - S.C. Allen, E. Bagg, D. Lissen, C. Powell.
 Station Alley grade stake Alley Grade Stake 19

See Page 8 for E/W Alley -
 BM = SWly Center + Drager = 106.32

North + South Alley - Arenas to Center

Station	RT=ely	ely	RT=ely	ely
Slly of T' Alley	11' back	CO. 28	Nail 0.05 in	C1.36
1+40.21	122.84	123.12	123.13	124.49
1+20.21	11' back	CO. 20	Nail 0.05 in	C1.75
	122.94	123.14	123.23	124.98
Begin Special Section W/ELY	11' back	CO. 13	11' back	CO. 74
1+00.21	123.03	123.16	123.33	124.07
Begin Transition	Nail 0.4 back	CO. 77	11' back	CO. 59
0+70.21	123.17	123.94	123.48	124.07
0+50.10	Nail 0.6 back	C1.23	11' back	C1.90
	123.26	124.49	123.58	124.58
0+30	Nail 0.7 back	CO. 94		C1.54
	123.35	124.29	123.68	125.22
0+20	Nail 0.85 back	CO. 88		C1.47
	123.40	124.28	123.73	125.20
0+10	Nail 0.8 back	CO. 82		C1.38
	123.45	124.27	123.81	125.19
Nly of Arenas st	(123.56)			
0+00	123.50		123.80	

Station	W/ely	ely	RT=ely	ely
Slly of Center	(121.70)		(122.07)	
3+00.21	121.60		121.80	
end Transition		CO. 04	X'2' back	C1.60
2+80.21	122.03	122.07	122.35	123.95
2+70.21	122.16	CO. 13	122.29	CO. 97
		122.29	122.47	123.44
2+60.21	122.24	CO. 04	122.28	CO. 85
		122.28	122.54	123.39
end special section		CO. 05	X'2' back	C1.31
2+50.21	122.30	122.35	122.59	123.90
2+35.21	122.37	CO. 11	X'2' back	C1.16
		122.48	122.66	123.82
2+10.21	122.49	CO. 11	Nail 0.66 back	C1.12
		122.60	122.78	123.90
1+85.21	122.62	CO. 26		CO. 76
		122.88	122.91	123.67
Nly of T'		CO. 24		CO. 66
1+60.21	122.74	122.98	123.03	123.69

Alley BIK 14, F.T. Scripps

E W Alley
Stake 2' back unless noted

Station	LT-Nly Alley grade	LT Stake	RT-Sly Alley grade	RT Stake
2+05	119.81	F0.06 119.75	X' 2' back 120.11	C0.13 120.24
1+80	118.69	C0.29 118.98	118.99	C0.56 119.55
1+55	117.56	C0.57 118.13	117.86	C0.05 117.91
1+30	116.44	C0.39 116.83	116.74	C0.14 116.88
1+05	115.31	C0.45 115.76	115.61	C0.67 116.28
0+80 = EVC	114.19	F0.02 114.17	114.49	C0.90 115.39
0+70	113.69	C0.21 113.90	113.97	C0.98 (TP) 114.95
0+60 = BVC	113.06	C0.68 113.74	113.32	C1.07 114.39
0+30	111.03	C2.08 113.11	111.16	C1.63 112.79
ely of Draper 0+00	109.00	C4.28 113.28	109.00	C2.42 111.42

E W Alley

8

Station	LT-Nly Alley grade	LT Stake	RT-Sly Alley grade	RT Stake
2+69.95	122.74	C0.34 123.08	122.84	C0.21 123.05
2+59.95	122.29	C0.11 122.40	122.49	C0.06 122.55
2+49.95	121.84	C0.04 121.88	122.11	C0.11 122.22
2+39.95	121.39	Grade 121.39	121.69	F0.02 121.67
2+30	120.94	F0.04 120.90	121.24	C0.45 121.69

wly of Tally

2+69.95

2+59.95

2+49.95

BVC Sly

2+30

W/L Inance
2' back

109.00

CAUSE X ON
Wall - 2' back

109.00

Pave Soto St + Castelar St
 W/O # 21235 LT = NWly - Soto St
 1-3-55
 C. Allen, D. Sisson, C. Powell
 Dwg # 11428-L 9/50 W/O # 32213

Station	NWly 3' bk Prop Rough Gr Stake	Curb Grade	Curb Stake	NWly 1/4	Rough Grade Stake
1+90	C0.13 45.96	45.83	C0.27 46.10		
B.V.C. 1+70	C0.16 47.17	47.01	C0.25 47.26		
1+38	F0.18 48.77	48.95	C0.26 49.21		
1+06	F0.81 50.1	50.88	F0.43 50.45		
0+79	F0.93 51.88	52.81	F0.56 52.31		
0+42	F1.0 53.7	54.74	F0.54 54.20		
Cb BC 0+10	F1.23 55.44	56.67	F0.35 56.32		
NEW line greene 0+00	F1.19 55.99	57.18			
2 Greene 0-30					

INDEXED
 JUN 9 1955
 RT = SELY Soto St 9
 1/2 of street being paved
 Soto St
 3' bk Prop
 AN = PK in PP =
 P2320-226T
 Sta 0+90 Soto St
 52.75

grade	SELY 1/4	Rough gr stake	Curb grade	Cb Stake
46.04		C-2.89 49.22	46.33	C0.15 46.48
47.22		C3.17 50.68	47.51	Grade 47.51
49.16		C-3.37 52.82	49.45	C0.25 49.50
51.09		C-3.80 55.18	51.38	C0.03 51.41
53.02		C-3.74 57.05	53.31	C0.06 53.37
54.95		C3.36 58.60	55.24	F0.14 55.10
56.88		C3.01 60.18	57.17	F0.15 57.02
57.51		C-2.55 60.47	57.92	
58.30			No Cb 58.20	

LT = 1/2 Street +
 NW 322P3 NWly edge Pavc
 50 to st cont
 3 1/2' Rough
 Gradesth Curb Gr Cb STK
 Station Rough
 Grade Stake

4+00	Co.02 37.09	37.07	Co.22 37.29	37.28
E.V.C. 3+70	Fo.64 37.33	37.97	Co.25 38.22	38.18
3+50	Co.01 38.61	38.60	Co.03 38.63	38.81
3+30	Co.07 39.36	39.29	Co.11 39.40	39.50
3+10	Fo.16 39.88	40.04	Co.32 40.36	40.25
2+90	Fo.05 40.81	40.86	Co.40 41.26	41.07
2+70	Fo.05 41.68	41.73	Co.42 42.15	41.94
2+50	Co.15 42.81	42.66	Co.51 43.17	42.87
2+30	Co.50 44.16	43.66	Co.49 44.15	43.87
2+10	Co.13 44.85	44.72	Co.18 44.90	44.93

RT = SELV
 City SELV 1/2 street
 being fixed
 3' bk prof
 10
 W 21235

Grade	SELV 1/4	Rough Gr stke.	Curb Grade	Cb Stake	SELV GUTTER
		Fo.33 37.24	37.57	Fo.02 37.55	
		Co.44 38.91	38.47	Co.11 38.58	
		Co.84 39.94	39.10	Co.11 39.21	
		C-1.27 41.06	39.79	Co.03 39.82	
		C-1.29 41.93	40.54	Co.04 40.58	
		C-1.90 43.26	41.36	Co.09 41.45	
		C-1.89 44.12	42.23	Co.20 42.43	
		C-2.08 45.24	43.16	Co.07 43.23	
		C-2.48 46.64	44.16	Co.04 44.20	
		C-2.48 47.70	45.22	Co.11 45.33	

Soto Cont

RT=

Newly

S'BE Prop

Rough
grade
stake

WO# 32213

Rough
Grade
Stake

Station

Cb Gr

Cb Stake

Rough
Grade
Stake

For Curve at Soto + Castelar ST

See Page 16

Cb P.C.
5+90Co. 93
32.30

31.37

Co. 75
32.12

31.58

Co. 48
32.35Co. 31
32.18

31.87

5+70

Co. 26
33.23

31.97

Co. 80
32.77

32.18

Co. 21
32.68Co. 47
32.94

32.47

5+50

Co. 72
34.30

32.57

Co. 62
33.19

32.78

Co. 32
33.39Co. 09
33.16

33.07

5+20

Co. 52
34.99

33.47

Co. 17
33.64

33.68

Co. 15
33.82Co. 23
33.74

33.97

4+90

Co. 94
35.11

34.37

Co. 32
34.69

34.58

Co. 29
34.58Co. 01
34.86

34.87

4+60

Co. 76
36.03

35.27

Co. 47
35.74

35.48

Co. 35
35.42Co. 23
35.54

35.77

4+30

Co. 25
36.42

36.17

Co. 55
36.72

36.38

Co. 33
36.34Co. 22
36.45

36.67

Soto Cont - WO 21235 11

RT= 2 ELY

only sety of ~~stake~~ being fixed2
gradeSELY
1/4Rough
Gr StakeCurb
StakeCb
Grade2 ELY
90°

Pave Castelar				Pave Castelar ST						
LT = Swly		W/O 32213		RT = NELY		W/O 21235		12		
Station	5' back	Curb grade	4' back	Rough Grade stk	to grade	Restake	Rough grade stake	Cb Grade	Cb Stake	NELY 90'
	Rough grade		Curb stake			DF Rough Grade				
2+00	C0.99 33.46	32.47	F0.17 32.30		31.95	F0.34 31.13	F1.97 29.50	31.47	F0.33 31.14	
1+70	C1.48 33.73	32.25	F0.41 31.84		31.74	F0.40 30.85	F2.02 W/H 29.23	31.25	F0.21 31.04	
1+40	C0.80 32.83	32.03	F1.02 31.01		31.52	F0.15 30.88	F18.7 OUT 28.0 F2.36	31.03	F0.12 30.91	
1+10	C0.10 31.91	31.81	F0.62 31.19		31.31	F0.18 30.63	F18.2 OUT 27.3 F5.41	30.81	F0.03 30.78	
0+80	C0.36 31.95	31.59	F0.49 31.10		31.09	F0.39 30.20	F18.1 F1.59 OUT 27.1	30.59	C0.10 30.69	
0+50	C0.59 31.96	31.37	F0.20 31.17		30.87	F0.01 30.36	F16.9 F3.03 OUT 25.3	30.37 30.40 30.37	C0.34 30.74	
0+30	C0.99 32.21	31.22	F0.17 31.05		30.70	C0.61 30.83	F12.5 F7.52 OUT 18.7	30.22	C0.42 30.64	
Cb E.C. 0+10	C1.17 32.24	31.07	C0.0 31.17		30.53	C2.44 32.51	OUT 19.5 F13.0 F3.43	30.07	C0.60 30.67	
Nwly Line 0+00 Sof. ST		31.00			30.36			30.00		

Pave Castelar ST cont
 LT = SWly W.O.# 32 213

5' back

4' back
 except BC

Station

Rough Cr

cb
 grade

cb
 stake

Pave Castelar ST 12

RT = NELy W.O.# 21235
 only NELy Post being Paved

Grade

NELy
 1/4

Rough
 grade
 stake

cb grade

cb stake

NELy
 9/17

See page 14
 = 0+00

NWly Etiwanda
 3+30

32.80

32.90

C0.65
 33.55

ENE NELy cb
 3+26

32.45

F1.26
 31.49

32.75

C0.40
 33.15

NELy cb
 3+00

32.42

F1.42
 31.04

32.46

C0.21
 32.67

SWly Etiwanda
 2+70

32.39

F0.93
 31.10

32.03

C0.13
 32.16

cb BC LT
 2+60

C1.06
 33.98

32.92

F0.33
 32.59

32.38

F0.92
 31.00

31.92

C0.23
 32.15

2+30

C1.00
 33.69

32.69

F0.16
 32.53

32.17

F0.83
 30.86

31.69

F0.08
 31.61

Pave. Castelar st. Etiwanda
To seaside

W0# 32213

LT = SWly

Station	SWly 90T	Rough Gr Stake	Cb Grade	Ob Stake	SWly 1/4	± Grade	Pestaka of Rough Grade	Rough grade Stake	Cb Grade	Cb Stake	NELY 90T
---------	-------------	-------------------	----------	----------	-------------	------------	------------------------------	-------------------------	----------	----------	-------------

PT = NELY -

W0# 21235

14

1+90		^{1/4} C0.88 45.82	44.94	F0.01 44.93		44.65		F0.08 44.36	44.44	F0.53 43.91	
1+70		C0.80 45.37	44.57	C0.17 44.74		44.28		F1.18 42.89	44.07	F0.19 43.88	
1+50		C0.7 44.6	43.92	C0.04 43.96		43.63		F1.91 41.57	43.42	F0.09 43.33	
1+30		C0.99 43.93	42.94	F0.12 42.82		42.65		F2.94 39.50	42.44	F0.48 41.96	
1+10		C1.21 42.88	41.67	F0.03 41.64		41.38	F2.91 38.26	F3.57 37.60	41.17	F0.65 40.52	
BVC 0+90		C2.28 42.37	40.09	C0.10 40.19		39.80	F3.11 36.48	F2.91 36.68	39.59	F0.73 38.86	
0+50		C-4.30 40.94	36.64	C0.11 36.75		36.35		F2.39 33.75	36.14	C0.08 36.22	
cb BC wly 0+10		C6.18 39.38	33.20	F0.09 33.11		33.50		F1.26 32.11	33.37	C0.56 33.93	
NWly Etiwanda 0+00			33.07			32.97			32.90	C0.65 33.55	

Pave Castela - ST CONT

LT = S'wly

RT = NELY -

15

Station	S'wly 90T	Rough grade Stake	Cb Grade	Cb Stake	S'wly 1/4	E. grade	NELY 1/4	Rough grade	Cb Grade	Cb Stake	NELY 60T.
P.L. Seaside 2+70		C1.43 45.51	43.58			43.12			42.81		
Cb 13c 2+60		C1.50 45.35	43.85	F0.34 43.51		43.51		F0.15 43.20	43.35	F0.97 42.38	
2+50		C1.31 45.51	44.20	F0.42 43.78		43.91		C0.19 43.89	43.70	F1.38 42.32	
2+30		^{5.6c} C0.29 45.04	44.75	F0.18 44.57		44.46		C0.65 44.90	44.25	F1.32 42.93	
2+10		^{5.4c} C0.64 45.63	44.99	C0.03 45.02		44.70		C0.70 45.19	44.49	F0.97 43.52	

Pave Mentone ST, Montalvo ST,
 Terre Cota St, Rialto ST
 W O # 32159 - Jan 6, 1955 see FB 2169
 C. Allen, D. Sisson, C. Powell #7

Dwgs 11278-A thru 11284-L. LT = SWly

FB 2169, 2249, 2317

Pave Mentone ST - WPT Loma to

Clovis

Station	SWly GUT	Rough Grade	Curb Grade	Curb Stake	SWly 1/4 grade	grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY GUTTER
1+43.7		F0.59 54.81	55.40	F0.03 55.37				C0.01 55.56	55.55	Grade 55.55	
1+18.2		F-1.03 55.17	56.20	F0.03 56.17				X in 15 to 10 ft F0.16 56.11	56.27	F0.01 56.26	
0+93.7		X C0.21 57.21	57.00	F0.33 56.67				X F0.20 56.80	57.00	F0.09 56.91	
0+68.7		F0.36 57.44	57.80	F0.20 57.60				F0.09 57.59	57.68	Grade 57.68	
0+43.7		X in 15 to 10 ft C-1.18 59.78	58.60	F0.20 58.40				F0.07 58.30	58.37	C0.09 58.46	
0+10			59.80						59.30		
CL.B.C. 0+08		C0.81 60.64	59.83	F0.13 59.70				C0.37 59.70	59.33	C0.01 59.34	
NWly Clovis 0+00			60.10						59.45		

INDEXED
 RT = NELY -
 Pave Mentone -
 W. PT. Loma to Clovis
 water lot grades are top of
 sewer later grades are

Invert elevation at Prop.

Pave Mentone W. Pt. Loma
 To Clovis Cont
 LT = SWLY

RT = NELY.
 Mentone St

18

Station	SWLY 90T	Rough Grade	Curb Grade	Curb Stake	SWLY 1/4 grade	1/4 grade	NELY 1/4 grade	Rough Grade	Curb Grade	Curb Stake	NELY GUTTER
3+43?		C0.27 49.67	49.30	C0.14 49.44				C0.86 50.16	49.30	C0.20 49.50	
3+18?		C0.45 50.60	50.15	C0.29 50.44				C0.83 51.08	50.25	C0.30 50.55	
SL#3 LT 2+95			46.0								
2+93.7		C0.17 51.17	51.00	C0.26 51.26				C0.55 51.75	51.20	C0.18 51.38	
2+68?		F0.85 51.65	51.70	C0.12 51.82				C1.09 53.01	51.92	C0.17 52.09	
2+43.7		F0.20 52.20	52.40	C0.17 52.57				C1.08 53.73	52.65	C0.13 52.78	
SL#2 ON RT 2+20									48.4		
2+18?		C0.60 53.70	53.10	C0.20 53.30				C-1.09 54.46	53.37	C0.13 53.50	
1+93.7		C0.33 54.13	53.80	C0.20 54.00				C0.87 54.97	54.10	C0.07 54.17	
1+68.7		F0.19 54.41	54.60	C0.10 54.70				C0.42 55.24	54.82	C0.09 54.91	

Pave Mentone Cont
 LT = Swly

RT = NELY

19

Station	Swly 90T	Rough Grade	Curb Grade	Curb Stake	Swly 1/4	Grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY 90T
② LT 5+05		C0.82 38.83	38.83								
5+03?		C2.35 41.29	38.94	C0.10 39.04				F0.73 37.21	37.94	C0.07 38.01	
4+73.7		C1.74 43.27	41.48	C0.25 41.73				F0.3 40.2	40.47	C0.28 40.75	
4+43?		C1.01 45.02	44.01	C0.29 44.30				F0.46 42.55	43.01	C0.31 43.32	
4+25 ±		C0.2 ⁽³⁶²⁾ 45.5	45.30	C0.30 45.60				F1.74 42.96	44.70	C0.25 44.95	
SL#1 RT 4+20										40.1	
4+00 4			46.68							46.45	
② RT 3+95			46.							46.74	F0.04 46.70
3+93?		C0.34 47.34	47.00	C0.27 47.27				C0.02 46.82	46.80	F0.13 46.67	
3+68?		C0.26 48.41	48.15	C0.32 48.47				C0.25 48.40	48.05	C0.05 48.10	

Pave Montone W.P.T.
LT = SWLY -

Lo177a to Clovis Court 21
RT = NELY -

Sta	SWLY 90T	Rough Grade	Curb Grade	Curb Stake	SWLY 1/4	R grade	NELY 1/4	Rough grade	Curb Grade	Curb Stake	NELY 90T
end at cb		01.99		F0.30							
6+83 7'	22.30	24.79	22.80	22.50							
6+73 9'			23.15	23.43							
6+63 7'		22.05 25.57	23.51	23.89							

Pave Mentone ST - Camulos To
 Clovis - See FB 2169-47
 Dwg # 11 279-4

Left
sheet

Mentone -
 RT = NELY.

22

INTERVIEW

Station	swly 90T	Rough Grade	Curb grade	Curb Stake	Swly 1/4	E grade	NELY 1/4	Rough grade	Curb Grade	Curb Stake	NELY 90T
2+80	omit Temp										
2+47°		C-2.23 53.43	51.20	C0.07 51.27		50.87		F0.83 49.87	50.70	F0.03 50.67	
2+07 ⁵⁰		C-3.45 52.45	49.00	Grade 49.00		48.67		F0.20 48.30	48.50	F0.20 48.30	
1+20								F0.03 43.69	43.62		
1+68 ⁰⁰		C-4.06 50.86	46.80	F0.09 46.71		46.47		F0.80 45.50	46.30	F0.2760 46.03	
1+05									35.7		
1+28 ⁵⁰		C-3.65 48.25	44.60	C0.05 44.65		44.27		F0.01 44.09	44.10	F0.18 43.92	
0+70								F0.20 40.94			
0+89 ⁰⁰		C-3.48 45.88	42.40	C0.26 42.66		42.07		F1.97 39.93	41.90	C0.10 42.00	
0+55								C-5.1			
0+49.5		C-4.42 44.62	40.20	C0.41 40.61		39.87		F1.51 38.19	39.70	C0.15 39.85	
0+10			38.00			37.67			37.50		
B.S. 0+08			37.94	C0.48 38.42					37.25	C0.22 37.47	
WYline Camulos 0+00		C-4.24 41.94	37.70	on Ret (C0.46)				F0.50 36.30	36.80	on Ret (C0.06)	

Pave Mentone - Carrulus to Clovis

LT = Swly

RT = NELY

Station	Swly 90T	Rough Grade	Curb Grade	Curb Stake	Swly 1/4	ℓ grade	NELY 1/4	Rough grade	Curb grade	Curb Stake	NELY 90T
5+75		C-3.89 66.29	62.40	F0.16 62.24		62.11		C 1.40 63.30	61.90	61.90	
5+25		C-4.05 66.75	62.70	F0.08 62.62		62.41		C 1.25 63.45	62.20	62.27	
5+05		C-3.68 66.48	62.80	F0.15 62.65		62.51		x C0.98 63.28	62.30	C0.02 62.32	
5+20		C0.30 63.04	62.74								
4+85		C-4.68 67.38	62.70	F0.15 62.55		62.41		C0.37 62.54	62.20	F0.08 62.12	
4+65		C-4.45 66.85	62.40	F0.25 62.15		62.11		C0.45 62.35	61.90	F0.23 61.67	
4+45		C-4.21 66.01	61.80	F0.28 61.52		61.51		C0.73 62.03	61.30	F0.37 60.93	
4+25		C4.10 65.10	61.00	F0.41 60.59		60.81		C0.45 61.05	60.60	F0.21 60.39	
4+05		C-3.56 63.56	60.00	F0.24 59.76		59.71		C0.67 60.17	59.50	C0.10 59.60	
3+65		C-5.30 63.10	57.80	C0.02 57.82		57.47		F0.03 57.18	57.21	C0.14 57.35	
3+26		C-3.74 59.34	55.60	C0.08 55.68		55.27		F0.12 55.18	55.30	F0.02 55.28	
2+86		C-2.46 55.86	53.40	F0.02 53.38		53.07		F0.88 52.02	52.90	C0.05 52.95	

Mentone ST. Carrulos ST to
Clovis -

LT Swly

RT = NELY -

24

Station	Swly PUT	Rough Grade	Curb Grade	Curb Stake	SWIT 1/4	± grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY PUT
ELY of Clovis 6+00.25		C 3.20 6400	60.80	ON KET C 0 0 3		60.46		C-1.52 61.72	60.20		
26 13c. 5+92.25			60.96	F 0.01 60.95		60.66			60.44	C 1.01 61.45	
5+90	L		61.00						60.50		
5+70. W LT		C 0.06 61.78	61.72								
E.V.C. 5+65		C-4.25 66.25	61.90	F 0.08 61.82		61.61		C-1.81 63.21	61.40	C 0.03 61.45	
5+55.54#12 LT									67.40		

Pase Montalvo St. Camulos to
Clovis St. See FB 2317-20

LT = SWly

RT = NEly

25

Station	Swly gUT	Rough grade	Curb grade	Curb Stake	Swly 1/4gUT	± grade	NEly 1/4	Rough grade	Curb grade	Curb Stake	NEly gUT
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See other pages for Sewer & water Service

1+86.5		C-1.16 66.49	65.33	C0.07 65.40				F-0.02 64.23	64.31	F0.06 64.25	
1+61.0		C-1.78 66.45	64.67	F0.03 64.64				C-0.18 63.83	63.65	C0.03 63.68	
1+35.5		C-2.49 66.50	64.01	F0.17 63.84				C-0.83 63.82	62.99	F0.03 63.02	
1+10.0		C-2.98 66.33	63.35	F0.07 63.28				C-1.01 63.35	62.34	C0.15 62.49	
0+84.5		C-3.16 65.85	62.69	C0.15 62.84				C-1.01 62.69	61.68	C0.07 61.75	
0+59.0		C-3.50 65.53	62.03	C0.31 62.34				C-0.79 61.81	61.02	F0.05 60.97	
0+33.5		C-3.88 65.25	61.37	C0.34 61.71				C-0.88 60.85	60.37	C0.04 60.41	
C6.B.C. 0+08			60.71	C0.34 61.05				C-0.74 60.85	59.71	C0.23 59.94	
Wylina Camulos 0+00		C-3.41 63.91	60.50					C-0.17 59.67	59.50		

Pave Montalvo -
Camulos to Clovis

AT = SW 1/4

RT = NE 1/4 -

26

Station	SW 1/4 90T	Rough grade	Curb grade	Curb stake	SW 1/4 1/4	± grade	NE 1/4 1/4	Rough grade	Curb grade	Curb stake	NE 1/4 90T
4+23		C-2.43 74.55	72.12	C0.07 72.19				C0.62 72.25	71.63	F0.20 71.43	
4+03		C2.65 74.51	71.86	F0.04 71.82				C0.80 72.16	71.36	F0.10 71.26	
BVC 3+83.0		C1.87 73.17	71.30	F0.12 71.18				C1.15 71.95	70.80	F0.05 70.75	
3+43°		C0.76 70.46	69.90	F0.08 69.82				F0.54 68.64	70.30 69.18	C0.09 69.27	
EVC 3+03°		C0.71 69.21	68.50	C0.02 68.52				C0.66 68.22	67.56	C0.09 67.65	
2+83°		C0.63 68.48	67.85	F0.16 67.69				C0.57 67.42	66.85	F0.02 66.83	
BVC 2+63°		C0.17 67.45	67.28	F0.24 67.04				*F0.33 65.95	66.28	F0.01 66.27	
2+37.5		C0.69 67.19	66.50	F0.06 66.44				F-0.46 65.16	65.62	F0.13 65.49	
2+12°		C0.72 66.71	65.99	F0.15 65.84				F-0.01 64.96	64.97	F0.17 64.80	

Pave Montalvo - Carrizos St
To Clovis Cent

RT = NELY -

Station	Swly 90T	LT = SWLY Rough Grade	Curb Grade	Curb Stake	Swly 1/4 90T	± Grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY 90T
Prop Clovis 6+00 ⁰⁹		C2.95 67.15	64.20					C0.84 65.04	64.20		
cb 13c 5+92 ⁰⁹		X 5.27 70.07	64.80	F0.07 64.73				C4.55 69.31	64.76	F0.07 64.69	
5+73		C5.76 72.14	66.38	F0.13 66.25				C4.36 70.41	66.05	C0.10 66.15	
5+63			67.00	Grade 67.00					66.70	C0.12 66.82	
BVC. 5+53		C4.91 72.61	67.70	C0.02 67.72				C3.57 70.87	67.30	C0.12 67.42	
5+28		C6.05 75.06	68.96	C0.06 69.02				C3.42 71.98	68.56	C0.32 68.88	
EVC. 5+03		X F0.32 69.91	70.23	C0.02 70.25				C5.10 74.92	69.82	C0.08 69.90	
4+83		C4.37 75.51	71.14	C0.07 71.21				C4.59 75.29	70.70	F0.10 70.60	
4+63		C5.13 76.89	71.76	C0.06 71.82				C4.09 75.38	71.29	F0.13 71.16	
4+43		C2.74 74.83	72.09	C0.08 72.17				C1.22 72.82	71.60	F0.15 71.45	

Pave Montalvo - Camulos to
 Famosa B110 Dwg 1281-2
 See FB 2317-21

RT = Swly

28

Station	NEly gUT	LT = NEly Rough grade	Curb grade	Curb Stake	Swly 114	2 grade	Swly 114	Rough grade	Curb grade	Curb Stake	Swly gUT
2+00		F0.16 42.44	42.60	C0.33 42.93				C-5.91 49.81	43.60	F0.10 43.50	
1+72		C1.84 46.64	44.80	C0.45 45.25				C5.39 51.19	45.80	C0.05 45.85	
1+44		C-1.77 48.77	47.00	C0.27 47.27				C-4.57 52.57	48.00	F0.01 47.99	
1+16		C-1.20 50.40	49.20	C0.29 49.49				C-4.56 54.76	50.20	C0.15 50.35	
0+88		C0.80 52.20	51.40	C0.06 51.46				C-3.20 55.60	52.40	C0.16 52.56	
0+60		F-0.44 53.16	53.60	F0.10 53.50				C-2.48 57.08	54.60	F0.10 54.50	
0+35		F-0.06 55.49	55.55	F0.02 55.53				C-1.65 58.00	56.35	F0.15 56.70	
C6 BC, 0+08			57.60	F0.39 57.21					58.24	F0.61 57.63	
SElyline 0+00 Camulos ST		F-0.61 57.39	58.00					C-2.59 60.72	58.13		

Pave Montalvo - Carrizos to
Famosa Blvd.

LT = NELY

Station	NELY GUT	Rough grade	Curb grade	Curb Stake	NELY 1/4	2 grade	SWLY 1/4	Rough Grade	Curb Grade	Curb Stake	SWLY GUTTER
4+45		F 6.42 11.70	18.12	C 0.65 18.77				C-6.23 25.35	19.12	C 0.43 19.55	
ENC. 4+20		F 3.51 18.49	22.00	C 0.53 22.56				C 4.80 27.80	23.00	C 0.60 23.60	
4+00		F 2.35 22.65	25.00	C 0.48 25.48				C 4.82 30.82	26.00	C 0.35 26.35	
3+80		F 3.10 24.50	27.60	C 0.10 27.70				C 4.41 33.01	28.60	C 0.08 28.68	
TR 3+60		F 2.41 27.39	29.80	F 0.05 29.75				C 4.57 35.37	30.80	F 0.03 30.77	
BVC 3+40		F 1.48 30.12	31.60	Grade 31.60				C 5.1 38.3	32.60	F 0.20 32.40	
3+12		F 2.92 30.88	33.80	C 0.15 33.95				C 4.78 39.58	34.80	F 0.13 34.67	
2+84		F 2.22 33.78	36.00	C 0.23 36.23				C 9.29 46.29	37.00	C 0.23 37.23	
2+56		F 2.40 35.80	38.20	C 0.16 38.36				C 7.19 46.39	39.20	C 0.26 39.46	
2+28		F 1.26 39.14	40.40	C 0.18 40.58				C 6.91 48.31	41.40	C 0.07 41.47	

RT = SWLY

29

Pave Montalvo - Camulos to
Famosa Blvd

LT = NELY

RT = SWLY

30

Station	NELY GUT	Rough grade	Curb grade	Curb stake	NELY 114	g grade	SWLY 114	Rough Grade	Curb grade	Curb stake	SWLY GUT.
37 SL# 27 - RT 4480								C 5.6			
(W) RT 4470								14.5	8.9		
								C 3.15			
4 SL# 26 - RT 4445								17.71	14.56		
(W) LWR E 4430		C 1.84						C 10.2			
		22.16	20.32					24.8	14.8		
4 SL# 25 RT 3495								C 4.81			
(W) RT RT 3480								26.13	21.32		
		C 0.15						C 9.2			
4 SL# 24 RT 1495		27.75	27.60					30.83	21.8		
		C 10.3	I.F.					C 3.62			
SL# 22 LT 1470		49.3	39.0					32.22	28.60		
(W) RT LT 1455											
		C 3.43						C 7.4	I.E.		
		48.86	45.43					C 4.47	39.9		
								50.90	46.43		
Sewer & water laterals in Block											
3 CB BC SWLY - 5420 7I								F 2.46			C 0.38
								5.75	8.21		8.59
2 CB BC NELY 4493 3B		11.1		C 0.64				C 1.27			C 0.14
		-0.5	10.61	11.25				12.88	11.61		11.78
4470		F 9.37		C 0.59				C 5.72			C 0.73
		4.88	14.25	14.84				20.96	15.24		15.97

Pave Temecula ST - Clovis ST
To West Point Lanna Blvd

See FB 2249-19

Dwg 11282
Station

SWLY
90T

LT=SWLY

Rough
Grade

Curb
Grade

Curb
Stake

SWLY
1/4

&
Grade

NELY
1/4

Rough
Grade

Curb
Grade

CurbStk

NELY
90T

1444.7

C-6.60
43.38

36.78

C0.27
37.05

F0.37
35.41

35.78

C0.22
36.00

1424.7

C-5.35
43.35

38.00

F0.01
37.99

F0.89
36.11

37.00

C0.10
37.10

1404.70

C-6.07
44.94

38.87

F0.17
38.70

F-1.2
36.7

37.87

C0.12
37.99

B.V.C.
0+84.70

C5.70
45.12

39.42

F0.05
39.37

F-1.55
36.87

38.42

C0.28
38.70

0+60

C-5.29
45.23

39.94

F0.01
39.93

F1.02
37.92

38.94

C0.21
39.15

0+35

C-3.74
44.21

40.47

F0.07
40.40

F1.52
37.95

39.47

C0.42
39.89

0+10

41.00

40.00

C0.34
40.34

Ch B.C.
0+08

41.08

C0.02
41.10

swly line

0+00

Clovis
ST

C-2.69
44.09

41.40

F1.76
38.42

40.18

C0.39
40.57

Nail in pole
Clovis Temecula
EL = 43.80

RT = NELY

21

Pave Temecula St. Clovis
To W. Point Loma Blvd Cont

RT = NELY

32

LT = SWLY

Station	SWLY GUT	Rough Grade	Curb Grade	Curb Stake	SWLY 1/4	d Grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY 1/4
E.V.C. 3+14?			19.84	F0.06 19.78							
3+04?		C-6.52 26.76	20.24	F0.13 20.11							
2+94?			20.86	F0.15 20.71							
2+84?		C-8.31 30.03	21.72	F0.17 21.55							
END NELY CB 2+80"								F0.70 19.65	(20.34) 20.35	Co. 27 20.62	
B.V.C. 2+74?		C-13.38 36.18	22.80	F0.18 22.62					(21.04) 21.15	Co. 06 21.21	
2+44?		X- C-9.99 36.35	26.36	F0.02 26.34				C-5.35 20.23	(24.85) 24.98	Co. 17 25.15	
2+24?			28.73	Co. 25 28.98					27.54	Co. 25 27.79	
E.V.C. 2+04?		C-9.08 40.18	31.10	Co. 47 31.57				C-2.61 32.71	30.10	Co. 15 30.25	
1+84.7		C-8.74 42.07	33.33	Co. 44 33.77				C-1.60 33.93	32.33	Co. 10 32.73	
1+64?		C-7.73 42.95	35.22	Co. 48 35.70				Co. 49 34.71	34.22	Co. 28 34.50	

Pave Tenecula St
 Clovis to W. Phanna Cent

LT = SWly

Station	SWly 9UT	Rough Grade	Curb grade	Curb Stake	SWly 114
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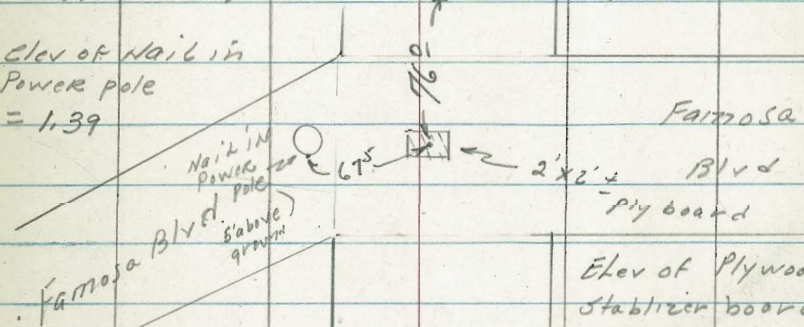
RT = NELY.

33

RT = NELY	Rough grade	Curb grade	Curb Stake	NELY 9UT
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Tie out of stabilizer board at
 Montalvo + Famosa

Elev of Nail in
 Power pole
 = 1.39



Famosa
 2' x 2' Ply board
 Elev of Plywood
 stabilizer board
 on 2/19/55 = -1.24
 2/24/55 = -1.37
 3/15/55 = -1.49

SL# 30 AT
 2+20
 (W) AT+LT
 1+95
 (W)
 1+45
 (W) RT
 0+95
 SL# 28 RT
 0+35
 (W) RT
 0+10

IE.
 25.2
 22.22
 31.22
 35.77
 38.12
 IE.
 35.8
 40.00

Sewer & water laterals in block

exc CB
 SWly
 3+38.60
 EVC
 3+47

C 9.00
 28.15
 19.15
 19.34
 C 0.19
 19.84

Pave Temecula st
Camulos st to clovis
RT=SWly

Camulos to
Clovis

RT=NEly-

34
1

Station	SWly gUT	Rough Grade	Curb Grade	Curb Stake	SWly 1/4	2 grade	NEly 1/4	Rough Grade	Curb grade	Curb Stake	NEly gUT
1+95		C0.94 28.59	27.65	F0.38 27.27		27.11		F1.24 25.41	26.65	F0.04 26.61	
1+75		C-1.63 28.03	26.40	F0.16 26.24		25.86		F0.85 24.55	25.40	F0.11 25.29	
1+55		C-2.30 27.25	24.95	F0.06 24.89		24.41		C0.18 24.13	23.95	F0.18 23.77	
1+35		C-2.09 25.29	23.20	C0.07 23.27		22.76		F0.31 22.09	22.40	F0.02 22.38	
B.V.C. 1+15		C2.91 24.41	21.50	C0.05 21.55		21.16		C0.72 21.62	20.90	C0.21 21.11	
0+80		F 2.31 15.86	18.17	C0.16 18.33				C0.49 18.43	17.94	C0.20 18.14	
0+45		F.4.81 10.03	14.84	F0.01 14.83				F0.53 14.44	14.97	C0.03 15.00	
0+10			11.51						12.00		
Ch BC 0+08			11.38	C0.10 11.48		11.54			11.78	C0.10 11.88	
Windy Knite 0+00 Camulos		F0.75 10.15	10.90	on Ret C0.20		10.60		F0.86 10.94	11.10	on Ret Grade	

Pave Terracota St
 Camulos to clovis cont
 RT=SWly

RT=NEly

35

Station	SWly 90T	Rough Grade	Curb Grade	Curb Stake	SWly 114	± grade	NEly 114	Rough Grade	Curb grade	Curb stake	NEly 90T-
4+35		C-3.49 4214	38.65	F0.08 38.57		38.11		F1.06 36.59	37.65	C0.23 37.88	
4+15		C-4.21 4221	38.00	F0.08 37.92		37.46		F0.83 36.17	27.00	C0.16 37.16	
3+95		C-4.94 4224	37.30	Grade 37.30		36.76		F0.97 35.33	36.30	C0.15 36.45	
3+75		C-4.02 4052	36.50	F0.10 36.40		35.96		F0.50 35.00	35.50	C0.06 35.52	
B.V.C. 3+55		C-4.31 39.91	35.60	C0.07 35.67		35.06		F0.71 33.89	34.60	C0.08 34.68	
3+25		C-3.26 37.43	34.17	C0.03 34.20				F0.78 32.39	33.17	C0.06 33.23	
2+95		C-2.98 35.73	32.75	Grade 32.75				F0.77 30.98	31.75	C0.04 31.79	
2+65		C-3.4 34.7	31.32	F0.04 31.28				F0.56 29.76	30.32	C0.05 30.37	
ENC. 2+35		C-1.70 31.60	29.90	F0.44 24.46		29.36		F1.14 27.76	28.90	F0.04 28.86	
2+15		C-1.56 30.36	28.80	F0.40 28.40				F1.10 26.70	27.80	F0.02 27.78	

Pave Temecula St
Carrillos to clovis
LT-SWLY

RT-NELY-

36

Station	SWLY GUT	Rough grade	Curb grade	Curb stake	SWLY 1/4	R grade	NELY 1/4	Rough Grade	Curb Grade	Curb Stake	NELY GUT
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See Page 37 For Water &
Sewer laterals in this Block

6+60 = 0+00 Page 31									40.18	C0.39 40.57	
6+40 ³⁹									40.47	C0.31 40.78	
6+20 ³⁹									40.61	C0.12 40.73	
Prop Chms 6+00 ³⁹ BVC		C-2.62 44.32	41.20			41.07		F2.08 38.53	40.61	C0.09 40.70	
Cb BVC on LT 5+92 ³⁹			41.57	F0.12 41.45		41.01					
5+80 ³⁹			41.36	F0.16 41.20		40.87		F2.27 38.19	40.46	C0.02 40.48	
5+60 ³⁹		C-4.74 45.77	41.03	F0.24 40.79		40.50		F2.26 37.90	40.16	C0.03 40.19	
5+17 ⁵		C5.00 45.31	40.31	F0.15 40.16		39.78		*F1.08 38.30	39.38	F0.09 39.29	
E.V.C. 4+75		C-4.35 43.95	39.60	C0.08 39.68		39.06		F0.23 38.37	38.60	C0.15 38.75	
4+55		C-4.19 43.39	39.20	F0.01 39.19		38.66		F-1.82 36.38	38.20	C0.10 38.30	

Water + Sewer Services in Block 3

27 + 26 - Temecula ST - Carrulos to Clovis

Station	Top of Grade	Water Service Stake	I.E. Sewer	Sewer Stake
(W) RT 5+55	40.07			
S.L. 31 RT 5+30			31.6	
S.L. #33 RT 4+42			31.5	
(W) RT 3+05	32.12			
S.L. 34 RT 2+80			26.0	
(W) RT 2+55	29.85			
S.L. 35 RT 2+30			23.6	
(W) LT + RT 0+80	18.16			
S.L. #37 RT 0+55 + 36 RT			7.2	
(W) LT 0+30	13.41			
S.L. #38 LT 0+13			6.8	

Pave Rialto ST
 Famosa Blvd. to W. Pt. Loma Blvd
 LT = SWLY

RT = NELY

38

Station	SWLY 9UT	Rough Grade	Curb grade	Curb Stake	SWLY 114	± grade	NELY 114	Rough Grade	Curb grade	Curb Stake	NELY 9UT
1+70 ¹²		C2.6 17.1	16.50	C0.03 16.53		16.21		F0.32 15.68	16.00	F0.05 15.95	
1+50 ¹²		C3.08 19.08	16.00	F0.04 15.96		15.66		F0.35 15.05	15.40	F0.01 15.39	
1+30 ¹²		C3.33 18.58	15.25	C0.01 15.26		14.89		F0.43 14.17	14.60	F0.04 14.56	
B.V.C. 1+10 ¹²		C3.57 17.88	14.31	C0.16 14.47				F0.01 13.60	13.61	Grade 13.61	
0+90 ¹²		C4.16 17.42	13.29	C0.18 13.47				C-0.91 13.16	12.25	C0.13 12.38	
0+70 ¹²		C4.67 16.94	12.27	C0.15 12.42				C2.63 13.51	10.88	C0.25 11.13	
ABS. RT 0+54.36		C4.71 16.18	11.47	C0.11 } 11.58 }				C1.40 11.20	9.80	C0.15 9.95	
0+30 end on LT			10.22	F0.11 } 10.11 }							
0+08 ⁵¹		C4.64 13.77	9.13	F0.18 } 8.92 }							
SWLY COR 0+00 Famosa + Rialto			8.70								
BM - PK No. 1k Slys side		Pile #4351	-26' LT Sta	2+45 - FLV =		20.60					

Pave Rialto ST

LT=SWLY

RT=NELY.

39

Station	SWLY GUT	Rough Grade	Curb Grade	Curb Stake	SWLY 1/4	± grade	Rough Grade	Curb Grade	Curb Stake	NELY 1/4	NELY GUT
3+30 ¹²		C.4.03 17.88	15.85	F0.10 15.75		15.56	^{from case} C0.02 15.37	15.35	C0.17 15.52		
Alley BC 3+14 ⁸³	Alley Return		BC					15.73	C0.25 15.98		
SWLY only 3+10 ¹²		C-3.30 19.65	16.35	C0.03 16.38		16.06					
SWLY only 2+90 ¹²		C3.45 20.15	16.70	C0.13 16.83		16.43					
NELY only 2+77.67	Curb line for alley return							16.37			
Alley BC 2+75.63								16.41	^{To street} C0.30 16.78		
2+70 ¹²		C-3.48 20.48	17.00	C0.10 17.10		16.71	F0.08 16.42	16.50	C0.28 16.78		
2+50 ¹²		C3.70 20.80	17.10	C0.11 17.21		16.81	F0.27 16.33	16.60	C0.32 16.92		
2+30 ¹²		C3.42 20.57	17.15	C0.09 17.24		16.86	F0.05 16.60	16.65	C0.11 16.76		
2+10 ¹²		C3.2 20.2	17.00	C0.24 17.24		16.71	F0.18 16.32	16.50	C0.08 16.58		
1+90 ¹²		C2.89 19.64	16.75	C0.12 16.87		16.46	C0.08 16.33	16.25	C0.10 16.35		

Pave Rialto ST cont.
LT=SWly

HT=NELY

40

Station	SWly GUT	Rough Grade	curb Grade	curb Stake	SWly 114	¢ grade	NELY 114	Rough Grade	curb Grade	curb Stake	NELY GUTTER
5+00 ¹²			5.70	20.54 6.24							
B.V.C. 4+90 ¹²		8.3 14.7	6.40	20.25 6.65		5.86					
3 5 3 4+86.31	end curb at B.C. on NELY							0.4' B.C. 2-3.47 9.24	5.77	20.23 6.00	
5 2 4+70 ¹²		7.47 15.72	8.25	F029 7.96							
N 2 4+50 ¹²		6.19 16.29	10.10	F059 9.51		9.56		11.56 10.66	9.10	F0.23 8.87	
2 4+30 ¹²		5.66 17.16	11.50	F037 11.13		11.26		10.09 10.89	10.80	10.08 10.88	
2 4+10 ¹²		5.46 18.24	12.78	F020 12.58		12.46		11.23 10.98	12.21	10.13 12.34	
2 3+90 ¹²		4.76 18.55	13.79	F010 13.69		13.46		11.97 11.23	13.26	10.20 13.40	
2 3+70 ¹²		4.67 19.26	14.59	F011 14.48		14.24		10.17 14.22	14.05	10.17 14.22	
1 3+50 ¹²		4.70 19.95	15.25	F009 15.16		14.96		10.06 14.81	14.75	10.13 14.88	

Pave Rialto
LT=Swly

ST cont

See Page 52 RT=NELY -
For Alley BIK 29

41

Station	Swly PUT	Rough grade	curb grade	curb Stake	Swly 1/4	L grade	NELY 1/4	Rough grade	curb grade	curb Stake	NELY PUT
Ⓜ grades	are	Top curb-	Sewer grades	are	IE at Prop						
SL#39 LT 4+61 1/2			IE 5.6								
Ⓜ LT 4+36 1/2			11.01								
SL#40 LT 4+11 1/2			IE 8.8								
Ⓜ LT 3+86			13.91								
SL#41 LT 2+66 1/2			IE 13.0								
+water Sewers in Block											
end of Swly 5+44 6/5	4.60	C-1.55 6.65	5.10	C0.10 5.20							
5+30 1/2		C-1.14 6.54	5.40	C0.04 5.44							
5+20 1/2			5.30	C0.33 5.63							
5+10 1/2		C-9.09 14.59	5.50	C0.36 5.86							

Pave Olney - Garnet to Folspar st
 LT= wly

RT= eLy-

43

Station	wly gotter	Rough Grade	curb grade	curb Stake	wly 1/4	L grade	Ely 1/4	Rough Grade	curb grade	curb Stake	eLy gotter
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Cont Page 44-

Styline
Folspar
2+6960

C0.50
51.00 50.50

C1.59
50.89 49.30

Cb.B.C.
2+5960

C0.80
50.82 50.00 C0.10
50.10

C.0.92
49.92 49.00 F0.42
48.58

Exc.
2+25

C-1.53
50.12 48.59 F0.26
48.33

F0.57
47.02 47.59 F0.33
47.26

2+05

C-1.57
49.36 47.79 F0.06
47.73

F1.26
45.53 46.79 F0.23
46.56

1+85

C2.10
49.19 47.09 C0.18
47.27

F0.85
45.22 46.07 F0.23
45.84

Pave Olive ST - Felspar to
Emerald ST -

RT = 44 -

44

LT = WLY

Station	WLY 90TTr	Rough Grade	Curb grade	Curb Stake	WLY 114	± grade	ELY 114	Rough Grade	Curb Grade	Curb Stake	ELY 90TTr
Alley BC 1+49			64.45	C0.18 ^{Tim} 64.63					63.45	C0.75 ^{Tim} 64.20	
Alleyline 1+45		C-3.63 67.83	64.20					C-1.77 64.97	63.20		
Alleyline 1+25		^{11back} C0.11 63.11	63.00					C-2.4 64.4	62.00		
Alley Rad 1+21			62.80	F0.27 ^{Tim} 62.53 ^{Tim}					61.80	C0.58 62.38	
0+80		^{11back} C1.87 62.67	60.80	Grade 60.80				C3.70 63.50	59.80	C0.08 59.88	
0+70			60.10	F0.13 59.97					59.10	C0.06 59.16	
0+60		^{11back} C3.57 62.87	59.30	C0.02 59.32				C-4.73 63.03	58.30	F0.04 58.26	
0+50			58.40	C0.30 58.70					57.40	F0.08 57.32	
BVC 0+40		^{11back} C-4.44 61.84	57.40	F0.29 57.11				C5.87 62.27	56.40	F0.03 56.37	
cb BC 0+10		C-7.60 61.58	53.98	C0.36 54.34				C-7.86 60.84	52.98	C0.13 53.11	
Niy Felspar 0+00		C-7.45 60.33	52.88					C-7.68 59.56	51.88		

Pave Olney - Felspar to Emerald
cont

LT = wly

RT = eLy

45

Station	wly 90T	Rough Grade	curb Grade	curb Stake	wly 114	2 grade	ELY 114	Rough Grade	curb Grade	curb Stake	ELY 90T
Side of Emerald 2+70		in arc	71.80	F0.76 71.04				F1.58 69.17	70.75	F0.97 69.78	
cb/c 2+60		C1.8 73.2	71.38	F0.81 70.57				F1.60 68.78	70.38	F1.13 69.25	
2+45		C-2.32 72.76	70.44	F0.56 69.88				F0.92 68.52	69.44	F0.80 68.64	
2+20		C-3.05 71.93	68.88	F0.19 68.69				4" back F0.28 67.60	67.88	F0.63 67.25	
1+95		C-2.88 70.20	67.32	C0.16 67.48				C0.4 66.7	66.32	F0.05 66.27	
1+70		C-3.50 69.26	65.76	C0.24 66.00				C0.92 65.68	64.76	C0.39 65.15	

Pave Felspar ST. Noyer ST +
 Olney ST - Avg # 9397 - h -
 WOT # 31967 - LT=NY

RT=514-

46

Station	NY GUTTER	Rough Grade	Curb Grade	Curb Stake	NY 114	2 grade	514 114	Rough Grade	Curb Grade	Curb Stake	514 GUTTER
2+00		C-2.87 64.89	62.02	F0.40 61.62				F0.52 60.50	61.02	F0.33 60.69	
W RT 1780	wait LOT is BUILT										
1+80		C0.76 63.02	62.26	F0.34 61.92				F0.48 60.78	61.26	F0.19 61.07	
1+60		C0.61 63.15	62.54	F0.20 62.34				F0.91 60.63	61.54	F0.29 61.25	
1+40		C0.41 63.26	62.85	F0.34 62.51				F0.01 61.84	61.85	F0.45 61.40	
1+20		C0.36 63.45	63.09	F0.42 62.67				F0.05 62.04	62.09	F0.52 61.57	
B.V.C. 1+00		C0.94 64.30	63.36	F0.22 63.14				C0.25 62.51	62.36	F0.26 62.10	
0+70		C0.75 64.75	64.00	F0.29 63.71				C0.05 63.05	63.00	F0.40 62.60	
0+40		C-1.33 65.98	64.65	F0.05 64.60				F0.13 63.52	63.65	F0.23 63.42	
cb BC 0+10		C1.43 66.73	65.30	F0.17 65.13				F0.73 63.57	64.30	F0.11 64.19	
Ely Line 0+00 Noyer		C-1.01 66.67	65.66					C0.37 64.87	64.50		

Pave Feldspar Cont
(Noyes to Olney)

LT=NY

AT=SH

47

Station	N/Y GUTTER	Rough Grade	curb Grade	curb Stake	N/Y 1/4	± grade	S/Y 1/4	Rough Grade	curb Grade	curb Stake	S/Y GUTTER
4+16 ²²		C-9.61 65.81	56.20	F0.07 56.13				C-1.07 56.27	55.20	C0.21 55.41	
E.V.C. 3+80		C 8.39 66.19	57.80	C0.10 57.90				C0.41 57.21	56.80	C0.36 57.16	
3+60		C-7.48 66.12	58.64	F0.03 58.61				C 1.31 58.95	57.64	C0.27 57.91	
3+40		C-7.19 66.57	59.38	F0.27 59.11				C0.30 58.68	58.38	F0.14 58.24	
3+20		C6.45 66.47	60.02	F0.32 59.70				F0.78 58.24	59.02	F0.36 58.66	
3+00		C6.00 66.56	60.56	F0.39 60.17				F0.38 59.18	59.56	F0.45 59.11	
2+80		C-5.62 66.62	61.00	F0.32 60.68				(Grade) 60.00	60.00	F 0.34 59.66	
2+60		C-4.67 66.02	61.35	F0.37 60.98				F0.34 60.01	60.35	F0.56 59.79	
2+40		C-3.92 65.52	61.60	F0.48 61.12				F0.81 59.79	60.60	F0.68 59.92	
2+20		C-3.49 65.29	61.80	F0.48 61.32				F0.50 60.30	60.80	F0.74 60.06	

Pave Falspar St. - Noyes to
 Olney St
 27 = N17

PT = 517 -

48

Station	N17 GUTTER	Rough Grade	curb Grade	curb Stake	N17 1/4	¢ Grade	517 1/4	Rough Grade	curb Grade	curb Stake	517 GUTTER
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W/Line Olney

4498.66

52.70

51.55

cb EC.

4488.66

C-8.07
61.07

53.00

F0.10
52.90

F0.98
51.02

52.00

F0.25
51.75

4452.44

C-6.53
61.13

54.60

F0.46
54.14

F-2.39
51.21

53.60

F0.04
53.86

Pave Felspar ST - Olney to
Pendleton ST
LTS NY

Elev Top FH
544.69
Felspar 54.69

RT = 514

49

Station	NY GUTTER	Rough Grade	Curve Grade	Curve Stake	NY 1/4	L grade	514 1/4	Rough Grade	Curve grade	Curve Stake	514 GUTTER
2+10		F0.63 51.21	51.84	F0.02 51.82				F 3.1 47.7	50.84	C0.05 50.89	
1+85		F0.43 51.31	51.74	F0.11 51.63				F 1.7 49.0	50.74	C0.03 50.77	
1+60		C0.92 52.06	51.64	C0.01 51.65				F 1.61 49.03	50.64	C0.06 50.70	
1+35		C-3.11 54.65	51.54	C0.03 51.57				C0.40 50.94	50.54	C0.11 50.65	
1+10		C-5.95 57.39	51.44	C-0.09 51.53				C0.57 51.01	50.44	C0.28 50.72	
0+85		C-6.1 57.4	51.34	C0.09 51.43				C 1.15 51.49	50.34	C0.34 50.68	
0+60		C-8.12 59.36	51.24	C0.09 51.33				C-1.4 51.6	50.24	C0.27 50.51	
0+35		stop 31 back C-8.23 59.37	51.14	C0.35 51.49				C 1.68 51.82	50.14	C0.26 50.40	
(W) RT 0+30			51.12					C 3.67 53.79	50.12		
cb BC 0+10		C-9.21 60.25	51.04	C0.36 51.40				C0.60 50.64	50.04	C0.06 50.10	
Ely line 0+00 Olney			51.08					C0.66 50.66	49.98		

Pave Felspar St
Olney to Pendleton
LT = NY

RT = SY

87

Station	NY Gutter	Rough Grade	curb Grade	curb Stake	NY 1/4	2 grade	5/4	Rough Grade	curb Grade	curb Stake	SY 90T
4+35		C-3.36 56.10	52.74	C0.04 52.78				F0.89 50.85	51.74	C0.11 51.85	
4+10		C-2.39 55.03	52.64	C0.01 52.65				F1.22 50.42	51.64	C0.21 51.85	
3+85		C-1.83 54.37	52.54	F0.02 52.52				F1.62 49.92	51.54	C-0.06 51.60	
3+60		C-1.53 53.97	52.44	F0.08 52.36				F1.59 49.85	51.44	C0.07 51.51	
3+35		C-1.11 53.45	52.34	F0.24 52.10				F1.90 49.44	51.34	F0.09 51.25	
3+10		C-1.33 53.57	52.24	F0.43 51.81				F-1.58 49.66	51.24	F0.05 51.19	
2+85		C0.68 52.82	52.14	F0.04 52.10				F1.23 49.91	51.14	F0.14 51.00	
2+60		C0.57 52.61	52.04	F0.14 51.90				F-2.3 48.7	51.04	F0.06 50.98	
2+35		F0.26 51.68	51.94	F0.12 51.82				F2.9 48.0	50.94	F0.01 50.93	

Parse Felspar - Olney to
Pendleton

LT = NY

Station	NY GUTTER	Rough Grade	curb Grade	curb Stake	NY 1/4
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RT = S14-

51

Grade	S14 1/4	Rough Grade	curb Grade	curb Stake	S14 GUTTER
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Wly of
Pendleton

↓ 64
5+00

MEET EAST

53.00 53.01

MEET

52.00 52.07

4+85

52.94 52.78
F0.16

51.94 51.87
F0.07

4+60

C 4.02
56.86 52.84 52.90
C0.06

F 1.51
50.33 51.84 52.03
C0.19

Pave Alley B1K 29- Loma Alta # 2

W 0 # 32159 - Jan 26, 1955

C. Allen, D. Sisson, W. Garber, G. Powell

See DWG # 11282

INDEXED

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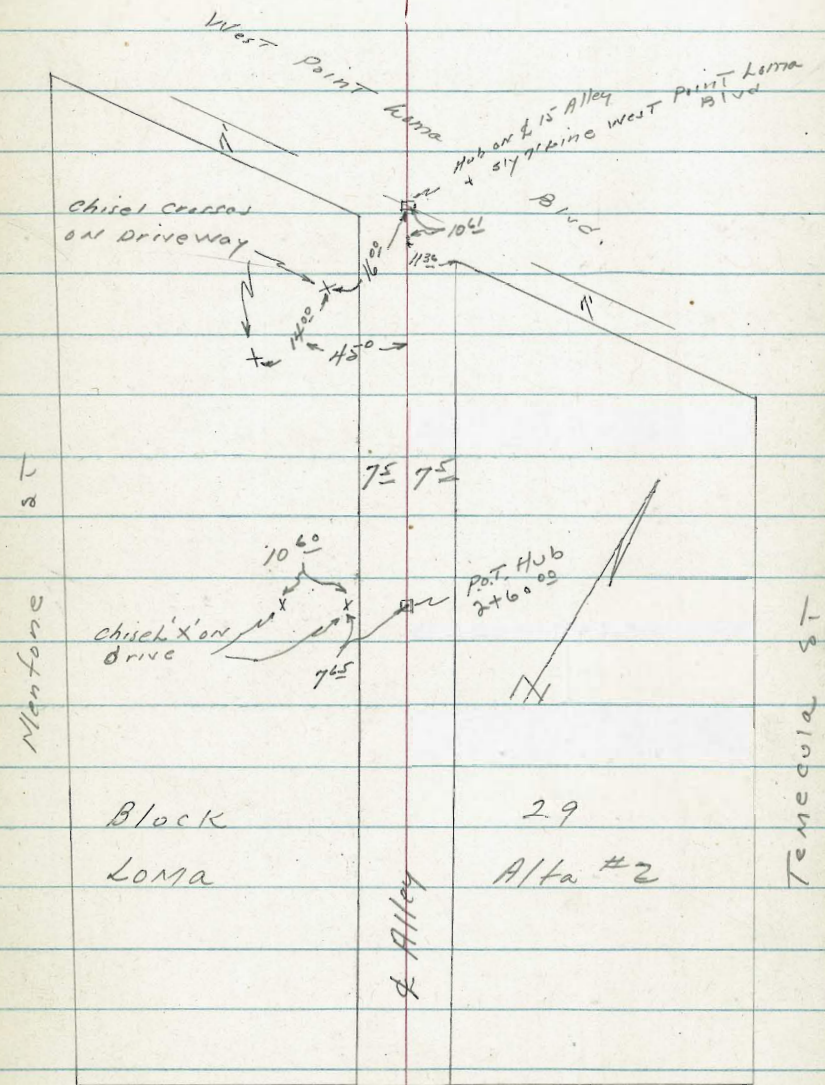
Station	LT-Swly edge Pave.	LT Stake	Grade	RT Stake	RT-NELV edge Pavement	Station	LT-Swly edge Pavement	LT Stake	Replacement of RT stakes	RT Stake	RT-NELV edge Pavement
2400	52.13	C1.37 53.50		F0.26 51.67	51.93	4400	39.54	F0.37 39.17		F2.09 37.25	F0.39 38.95 39.34
B.V.C. 1480	52.35	C1.28 53.63		C0.41 52.56	52.15	3480	42.28	F0.61 41.67		F3.12 38.96	F0.46 41.62 42.08
1455	52.53	C0.96 53.49		C0.50 52.83	52.33	3460	44.52	C0.45 44.97		F2.00 42.32	F0.15 44.17 44.32
1430	52.72	C-1.07 53.79		Stub 0.6 back C0.48 53.00	52.52	3440	46.35	X C1.77 48.12		F0.30 45.85	F0.23 45.92 46.15
1405	52.91	X C1.41 54.32		C0.09 52.80	52.71	3420	47.86	C0.32 48.18		C0.09 47.75	F0.24 47.42 47.66
E.V.C. 0480	53.10	X C-1.21 54.31		C0.03 52.93	52.90	3400	49.05	C0.39 49.44		F0.25 48.60	48.85
0460	53.29	X C1.09 54.29		Stub 0.40 back C0.50 53.59	53.09	2480	49.92	C0.89 50.81		F0.54 49.18	F0.30 49.42 49.72
0440	53.57	X C1.07 54.64		No. 12 0.49 back C0.92 54.29	53.37	2460	50.63	X C1.37 52.00		F0.41 50.02	F0.34 50.09 50.43
0420	53.98	C0.35 54.33		No. 12 0.49 back C0.97 54.65	53.68	2440	51.27	X C1.13 52.40		F0.39 50.68	F0.31 50.76 51.07
N.W. line CIV. 15 0400 B.V.C.	54.60	F0.04 54.56		No. 12 0.26 back C0.47 54.49	54.00	2420	51.77	C1.32 53.09		F0.17 51.40	F0.26 51.31 51.57

Stub
3' back

Stub
3' back

Tie OUTS OF Hub on Sly T Line
 West Point Loma Blvd + Alley BIK
 29 - Loma Alta #2
 See FB 2249 - 53

Station	LT=SWHY edge Pave	LT Stake	Grade	RT Stake	RT=NEAR edge PIC
WPT PVT LT. 5+30.82	20.30			Note i	20.18
WPT PVT RT. 5+13.74				Stakes on Right.	
Prop CIR LT 5+11.71	21.06	C0.50 21.56		Knocked out + Replaced	
Prop CIR RT 4+94.63	21.80	C1.10 22.90		C0.38 21.78	C0.22 21.66 21.40
4+77.70	25.00	C1.86 26.86		F0.50 24.30	F0.10 24.70 24.80
4+67.31	27.08	C0.44 27.52		F0.28 26.60	F0.12 26.76 26.88
4+40	32.55	C0.47 33.02		F0.62 31.73	F0.04 32.31 32.35
4+20	36.30	F0.23 36.07		F1.57 34.53	F0.28 35.82 36.10



See FB 2249 - 53 for this end
 Clovis ST

Pave Winona Ave
Orange To Polk
LT = ely

Cont

RT = wly

55

Station	ELY 90T	Rough Grade	Curb Grade	Curb Stake	ELY 1/4	g grade	Wly 1/4	Rough Grade	Curb Grade	Curb Stk	Wly 90T
4+14 ⁴⁸		Co. 36 348.86	348.50	Fo. 12 348.38				Co. 55 349.60	349.05	Fo. 27 348.78	
3+94 ⁷⁸			348.51	Fo. 78 47.73					348.91	Fo. 24 348.67	
3+74 ⁴⁸ w. LT 3+57		Fo. 87 347.12	347.99	Fo. 20 347.79 Co. 05 347.08	} 4/21/55			Co. 14 349.63	348.49	Fo. 25 348.24	
3+54 ⁴⁸			346.89	Co. 09 346.98					347.39	Co. 13 347.52	
3+34 ⁴⁸		F- 2.13 343.01	345.14	Co. 04 345.18				C- 2.72 348.36	345.64	Co. 22 345.86	
3+14 ⁴⁸ w. LT 3+07			342.73	Co. 27 343.00 Co. 43 342.13					343.23	Co. 14 343.37	
2+94 ⁴⁸		F 1.06 338.92	339.98	Co. 65 340.63				C- 4.12 346.60	340.48	Co. 27 340.75	
2+74 ⁴⁸ w. LT 2+57			337.39	Co. 71 338.10 Co. 50 335.41 335.91	} 4/21/55				337.89	Co. 50 338.39	
2+54 ⁴⁸			335.14	Co. 54 335.68					335.64	Co. 63 336.27	
2+34 ⁴⁸ 2+32 w.r.t.		F 1.97 331.22	333.19	Co. 18 333.37				Co. 67 334.36	333.69	Co. 49 334.18 Co. 52 333.49 334.01	

(180)

 Pave Winona Cont
 Orange to Polk
 LT = 014

RT = W14-

56

Station	Ely Got	Rough Grade	Curb Grade	Curb Stake	Ely 114	W14 grade	Rough Grade	Curb Grade	Curb Stake	W14 114-
5+77 ⁵⁸								346.60		
Prop RT										
5+74.48			347.10							
Cb BC RT									F0.30	
5+72 ⁰⁸			347.10					347.10	346.80	
Cb BC LT										
5+64.48			347.56	CO.30 347.80						
5+54 ⁴⁸		C1.65 349.19	347.54	CO.31 347.86			Nail 25 ⁵⁸ BK C-2.31 349.59	347.28	CO.02 347.30	
5+34 ⁴⁸		C1.36 349.26	347.90	CO.04 347.94			Nail in wall - 26 ⁵⁶ C-1.73 349.57	347.84	F0.10 347.74	
5+14 ⁴⁸			348.18	CO.08 348.26				348.31	F0.34 347.97	
4+94 ⁴⁸		CO.76 349.16	348.40	CO.08 348.48			CO.47 349.13	348.66	F0.09 348.57	
4+74 ⁴⁸			348.54	Grade 348.54				348.92	CO.02 348.94	
4+54 ⁴⁸		CO.78 349.39	348.61	F0.10 348.51			CO.22 349.29	349.07	F0.12 348.95	
4+34 ⁴⁸			348.59	CO.12 348.71				349.11	F0.12 348.99	

Pave 50th ST - University Ave to
 OAKCREST Drive - sec DWG 11328
 FB 2307- 2/7/55. A. Allen.

INDEXED

RT = ely.

57

Station	WLY 90T	Rough Grade	curb grade	curb stake	1111 WLY 114	9.1954	grade	ely 114	Rough Grade	curb grade	curb stake	ely 90T
E.V.C.												
2+18.02			341.62							342.12		
SL#3 LT												
2+04.79			336.3									
1+98.02			341.12							341.62		
(W) LT												
1+79.79			340.52									
1+78.02			340.46							340.96		
1+58.02			339.62							340.20		
SL#2 LT												
1+54.79			334.6									
BVC												
1+38.02			338.62							339.12		
(W) LT												
1+29.79			338.14									
1+13.77			337.21							337.85		
SL#1 LT												
1+04.79			331.8									
0+89.53			335.80							336.57		
CB AC LT												
0+65.29			334.40							335.29		
CB AC RT												
0+18.02										332.80		
0+00												

ON Returns

Intersection of 50th ST + WLY Line University Ave
 on curve

200

Pave 50th St Cont
LT=WTY.

RT= 014-

58

Station	WTY GUTTER	Rough Grade	Curb Grade	Curb Stake	WTY 14	± Grade	014 14	Rough grade	Curb Grade	Curb Stake	014 907
---------	---------------	----------------	---------------	---------------	-----------	------------	-----------	----------------	---------------	---------------	------------

See Curb Profiles for Curbs
Sewer Lateral grades are I.E. of Property
Water Lateral Grades are top curbs

BC LT
4+34.74

346.20

3+96.19

345.35

BC RT
3+57.64

344.50

345.00

3+43.02

344.22

(W) LT
3+29.79

344.07

3+18.02

343.70

SL#5 RT
3+16.79

339.2

SL#4 LT
3+04.79

338.2

2+93.02

343.18

343.68

(W) RT
2+91.79

343.64

2+68.02

342.66

343.16

2+43.02

342.14

342.64

(W) LT
2+29.79

341.86

INDEXED

Pave Orange Ave - 49th St to 50th

Dwg 11517-L - W0432002

Feb 18, 1955.

C. Allen, D. Sisson, W. Garber, C. Powell.

RT = N14.

Station	N14 GUTTER	Rough Gr	Curb Grade	Curb Stake	N14
---------	------------	----------	------------	------------	-----

1+76.25		C-1.03 330.75	329.72	F0.22 299.50	
---------	--	------------------	--------	-----------------	--

ELYALLEY BC 1+47.04			329.92	F0.34 329.58	
------------------------	--	--	--------	-----------------	--

ELYLINE ALLEY 1+45.04		C 0.11 330.04	329.93		
--------------------------	--	------------------	--------	--	--

WYLINE ALLEY 1+25.04		C0.06 330.14	330.08		
-------------------------	--	-----------------	--------	--	--

ALLEY BC 1+23.04			330.09	F0.42 329.66	
---------------------	--	--	--------	-----------------	--

0+95.75 Grade Br KR RT 0+83		C0.72 331.02	330.30	F0.47 329.83	
			330.39	F0.48 329.91	

0+66.50		C0.26 330.77	330.51	F0.61 329.90	
---------	--	-----------------	--------	-----------------	--

0+37.25		C0.46 331.19	330.73	F0.82 329.91	
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C6 BC 0+08		C0.20 331.14	330.94	F0.33 330.61	
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ELY 49 th 0+00			331.00		
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Pave Orange Ave

59

RT = S14-

Grade	S14 114	Rough Grade	Curb Grade	Curb Stake	S14 GUTTER
-------	------------	----------------	------------	------------	---------------

		F0.94 328.47	329.41	F0.73 328.68	
--	--	-----------------	--------	-----------------	--

			329.87	F1.21 328.66	
--	--	--	--------	-----------------	--

		F0.24 329.60	329.84		
--	--	-----------------	--------	--	--

		C0.27 330.41	330.14		
--	--	-----------------	--------	--	--

			330.16	F0.16 330.00	
--	--	--	--------	-----------------	--

		F0.21 330.28	330.49	F0.14 330.35	
--	--	-----------------	--------	-----------------	--

			330.64	C0.13 330.77	
--	--	--	--------	-----------------	--

		C.4.87 335.81	330.94	C0.04 330.98	
--	--	------------------	--------	-----------------	--

		C5.23 336.76	331.53	C0.09 331.62	
--	--	-----------------	--------	-----------------	--

		C4.51 336.63	332.12	C0.07 332.19	
--	--	-----------------	--------	-----------------	--

			332.28		
--	--	--	--------	--	--

Pave Orange cont
LT = NY

RT = NY

60

Station	NY gUT	Rough Grade	curb Grade	curb Stake	NY 1/4	ℓ Grade	NY 1/4	Rough Grade	curb Grade	curb Stake	NY gUT
0+66.50		C 3.2 330.7	327.15	F 0.05 327.10					326.15		
0+37.25		C 2.65 331.40	327.75	F 0.15 327.60					326.75		
06 BC 0+08		C 4.10 332.44	328.34	F 0.16 328.18					327.29 327.34	Meet 327.30	
Hy line winona st 0+00		3	328.50					F 0.91 326.49	327.50	Meet 32	
Hy line winona st 0+70.09		C 2.62 331.62	329.00						328.00		
06 BC 2+62.09 PUTTER RT 02+57.09		C 2.96 332.02	329.06	C 0.24 329.30				F 3.15 324.95	328.10	F 0.29 327.81	C 0.41 327.40
2+34.75		C 1.63 330.92	329.29	F 0.31 328.98				F 2.93 325.61	328.20 328.54	F 0.24 327.96 F 0.41 328.13	C 0.27 327.69
2+05.50		C 0.6 330.1	329.50	F 0.48 329.02				F 1.51 327.46	328.97	F 0.47 328.50	

Curb in place

Have Orange Ave
Wisconsin to 56th cont

LT = NY

RT = S14

61

Station	NY GUTTER	Rough Grade	Curb Grade	Curb Stake	NY '14	Grade	S14 '14	Rough Grade	Curb Grade	Curb Stake	S14 GUT
NY 50th 2+76.03			323.00						322.00	Meet (322.07)	
Curb BC 2+62.03		C 3.08 326.24	323.16	Meet (323.21)				C - 2.57 324.73	322.16	F 0.02 322.14	
2+34.75		C 2.76 326.53	323.77	C 0.06 323.83				C - 2.11 324.88	322.77	C 0.01 322.78	
2+05.50		C 2.72 327.08	324.36	F 0.12 324.24				C 1.67 325.03	323.36	F 0.18 323.18	
1+76.25		C 2.42 327.38	324.96	F 0.51 324.45				X 0.5 in street C 1.61 325.59	323.96	F 0.11 323.85	
Alley BC 1+47.01			325.51	F 0.02 to S 325.49					324.51	F 0.09 324.42	
Alley Line 1+45.01		C 1.97 327.52	325.55					C 0.63 325.18	324.55		
Alley Line 1+25.01		C 1.64 327.59	325.95						324.95		
Alley BC 1+23.01			325.99	F 0.43 325.56					324.99		
0+98.75		C 3.42 329.98	326.56	F 0.03 326.53					325.56		

Pave 51ST - Orange Ave to Trojan -
 DWG 11519-L - Feb 18, 1955
 LT = WLY -

BM: Nail in Pole #194
 NWLY COR. 51ST + Orange
 (F&R 2257-14) E_h = 327.36

RT = ELY

62

Station	WLY GUTTER	Rough Grade	Curb Grade	Curb Stake	WLY 1/4	ELY 1/4 Grade	Rough Grade	Curb Grade	Curb Stake	ELY GUTTER
1+07 = SL#2 RT									311.67	C 903 ^{FE} 320.70
1+00			316.20	F0.27 318.93				317.11		C0.18 317.29
0+99 = Water RT								317.14		F0.12 ^{FE} 317.02
0+80		F6.2 311.6	317.80	F0.36 317.44			C2.91 321.66	318.75		F0.04 318.71
0+70 = SL#3 RT								314.76		C12.4 ^{FE} 326.87
0+60			319.80	F0.37 319.43				320.78		C0.45 321.23
0+49 = Water RT								322.11		C1.04 323.15
0+40		F5.6 316.6	322.20	C0.16 322.36			C9.7 332.9	323.19		C0.74 323.93
0+20			325.00	C0.80 325.80				326.00		C0.94 326.94
Midline 0+00 ORANGE		F1.55 326.45	328.00	C0.26 328.26			C4.00 333.00	329.00		C0.31 329.31

INDEVEN

Pave 51ST ST
Orange to Trojan Cont

RT = ELY.

63

Station	Wly 9/4	LT = Wly Rough Grade	Wly Curb grade	Curb stake	Wly 1/4	E Grade	ELY 1/4	Rough Grade	Curb Grade	Curb Stake	ELY 9/4
2+20			314.28	F0.12 314.16		314.45			314.70	F0.04 314.66	
2+00	313.54	C0.5 314.5	314.04	F0.13 313.91		314.28		F1.70 312.90	314.60	F0.20 314.40	314.10
1+87 ^E	Break in gutter, Grade = Nly of Type H inlet RT.								314.57	C0.08 314.65	314.04
1+85 ^E	C0.76 313.05		313.88	F0.07 313.81		= Nly of A-2 in lot LT.					
1+74 ^E	SL #1 RT							309.47	C5.23 314.70		
1+77 ^E	C0.81 312.97	C0.12 314.0	313.80	F0.02 TC 313.78		314.13		F1.07 313.48	314.55	F0.23 314.32	C0.60 313.72
1+78 ^E	Water RT.								314.60	F0.49 314.11	
1+69 ^E	C0.14 313.02		313.85	F0.09 313.76		= Sly of A-2 in lot LT					
1+67 ^E	Grade park in ch + gutter Sly Type H inlet RT								314.65	F0.05 314.61	314.15
See Page 5, 6 345 ft over pipes Grader on Pad											
1+60	313.40	Grade 313.9	313.90	F0.12 313.78		314.27		C0.03 314.75	314.92	C0.12 314.84	
1+51 ^E	end special section on RT								314.96	F0.27 314.69	
1+40			314.25	F0.18 314.07		314.71			315.25		
1+25 ^E	begin special curb RT.								315.80	F0.38 315.42	
1+20		F0.49 314.51	315.00	F0.23 314.77				F0.22 315.78	316.00	F0.18 315.82	

Pave 5th cont

Lt = wly

RT = ELY

64

Station	wly cut	Rough Grade	Curb grade	Curb Stake	wly 1/4	d grade	ely 1/4	Rough Grade	Curb Grade	Curb Stake	ELY cut
3+76.66		C7.92 329.85	321.93	F0.12 321.81				C1.56 323.28	321.72	F0.48 321.24	
E.V.C. 3+40		C7.21 326.51	319.30	F0.28 319.02		319.19		F3.47 315.70	319.17	F0.17 319.00	
3+38 = Water LT			319.17	F0.44 318.73							
3+20		C6.43 324.40	317.97	F0.17 317.80		317.89		F2.97 314.92	317.89	F0.19 317.70	
3+00			316.83	F0.20 316.63		316.78			316.82	C0.07 316.89	
2+80		C3.32 319.21	315.89	F0.18 315.71		315.88		F1.74 314.22	315.96	F0.03 315.93	
2+76 = Water LT			315.74	F0.39 315.35							
2+74 Water RT.									315.77	F0.79 314.98	
2+60			315.16	F0.17 314.99		315.20			315.32	C0.01 315.33	
2+40		C0.93 315.55	314.62	F0.07 314.55		314.72		F1.33 313.56	314.89	F0.03 314.86	
2+24 = Water RT.									314.74	F0.91700 313.83	

Pave 51st Cont

LT = wly -

RT = Ely -

Stat	LT wly gvt	Rough Grade	curb Grade	curb Stake	wly 1/4	4 grade	Ely 1/4	Rough Grade	curb Grade	curb Stake	Ely gvt.
5+50			339.71	F0.36 339.35		339.42			339.22	F0.35 338.87	
5+30		C2.36 338.72	336.36	F0.51 335.85		336.13		F4.97 330.22	335.19	F0.04 335.15	
5+24	Water	RT							334.52	F0.91 333.61	
5+10			333.42	F0.23 333.19		333.15			332.96	F0.11 332.85	
4+90		C2.06 332.98	330.92	C0.07 330.99		330.66		F6.67 323.81	330.48	C0.23 330.71	
4+88	Water	LT	330.65	F0.22 330.43							
4+74	Water	RT							328.92	F1.07 327.85	
4+70			328.85	C0.01 328.86		328.60			328.44	C0.17 328.61	
4+50	Begin B.V.C. Cone Section	C2.78 330.98	327.20	F0.09 327.11				F5.32 321.51	326.83	F0.26 326.57	
4+13.32		C5.99 330.55	324.86	F0.33 324.23		326.98		Grade 324.3	324.27	F0.07 324.20	

Pave 51ST cont

LT = W14.

RT = ELY.

Station	W14 9UT	Rough Grade	Curb Grade	Curb Stake	W14 14	2 grade	ELY 14	Rough Grade	Curb Grade	Curb Stake	ELY GUTTR
32.24' Culvert Under 51 ST											
	IF	stake									
inside wall TYPE H RT 0+32.24	310.74	C2.68 313.42									
inside wall 16" inlet annular 0+00	310.90	C2.65 313.55									
Sly Transition 6+00.15		F0.92 348.58	349.50			349.21		F0.84 348.16	349.00		
CB BC 5+92.15		F0.96 346.94	347.90	F0.89 347.01		347.61		F1.92 345.48	347.40	F0.35 347.05	
5+76 = water RT			344.70	F0.39 344.31							
5+74 - water RT									343.80	F1.46	
5+70.15 E.V.C.		F1.13 342.37	343.50	F0.34 343.16		343.21		F3.31 339.69	343.00	F0.16 342.84	

INDEX

 Page 19 Trojan Ave. Altadena
 51 ST ST Aug 11520-L

RT = 514

67

Station	GUT	LTS NY		Curb Stake	NY 1/4	E grade	514 1/4	Rough Grade	Curb Grade	Curb Stake	514 GUT
		Rough Grade	Curb Grade								
Alley BC 1447°				355.64	F 0.10 355.54					354.64	C 0.22 354.86
Alley line 1445 (ELY)		C 2.70 358.40		355.70				F - 4.20 350.56		354.70	
Alley line 1425 wly		C 1.82 358.32		356.50				F 3.60 351.90		355.50	
Alley BC 1423°				356.12	C 0.11 356.73					355.62	C 0.46 356.08
1405		C 5.07 362.77		357.70	C 0.07 357.77			3' back F 3.4 353.3		356.70	C 0.35 357.05
0+85				359.30	F 0.08 359.22					358.30	C 0.59 358.89
BYC 0+65		C 4.3 365.5		361.17	F 0.07 361.10			F 4.59 355.58		360.17	C 0.17 360.34
0+36.5		x 3' back C 1.09 365.08	x	363.99	C 0.14 364.13			F 1.34 361.65		362.99	F 0.02 362.97
Ch BC 0+08	366.31	C 3.51 370.32		366.81	C 0.36 367.16			F 3.89 361.92		365.81	365.85 365.31
ELY Altadena 0+00	367.20	C 2.21 369.86		367.65				F 4.06 362.14		366.20	

Pave Trojan cont
LT = N14

RT = S14

Station	N14 gUT	Rough Grade	Curb Grade	Curb Stake	N14 114	L grade	S14 114	Rough Grade	Curb Grade	Curb Stake	S14 gUT
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W14 S14

2470 ⁰⁰	352.50		353.09								352.00
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CB BC 2462 ⁰⁰	352.65	7.21 360.36	353.15					F4.40 347.75	352.15		351.65
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2429.66		x 4' back C 2.67 356.47	353.80	C 0.33 354.13				F4.50 348.30	352.80	F 0.09 352.71	
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1497.33		C 4.95 359.40	354.45	C 0.33 354.78				F 6.18 347.27	353.45	F 0.09 353.36	
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EVS. 1465		C 5.76 360.86	355.10	C 0.12 355.22				F 4.15 349.95	354.10	C 0.61 354.71	
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INDEVELOP Altadena ST - Orange Ave
 To Trojan - Dwg 11521-L
 LT=WHY

BM: NW 1/3P Orange Altadena 312.73 69

RT=ELY-

Station	WHY 9UT	Rough Grade	Curb Grade	Curb Stake	WHY 1/4	L Grade	ELY 1/4	Rough Grade	Curb Grade	Curb Stake	ELY 9UT
2+60			325.55	C 0.03 325.58						C 0.37 324.92	
BVC 2+40		C 3.04 327.70	324.66	C 0.35 325.01				F 0.8 322.9	323.66	C 0.22 323.88	
2+00		C 3.09 326.20	323.11	F 0.19 322.92				F 0.35 321.76	322.11	C 0.17 322.28	
EVC 1+60		C 3.79 325.36	321.57	C 0.02 321.59				F 0.41 320.16	320.57	F 0.09 320.48	
1+40			320.72	C 0.15 320.87					319.74	Grade 319.74	
B.V.C. 1+20		C 3.77 323.50	319.73	C 0.12 319.85				C 0.62 319.42	318.80	C 0.03 318.83	
0+81.66		C 2.50 320.17	317.67	F 0.17 317.50				C 0.55 317.44	316.89	C 0.11 317.00	
0+43.33		C 0.34 315.96	315.62	F 0.28 315.34				F 0.45 314.52	314.97	C 0.09 315.06	
CB BC 0+05	313.07		313.57	F 0.62 312.95					313.05	F 0.49 312.56	312.55
N/Orange 0+00	312.80		313.30						312.80		312.30

Pave Altadena ST cont.
LT=Wly.

RT=Ely.

70

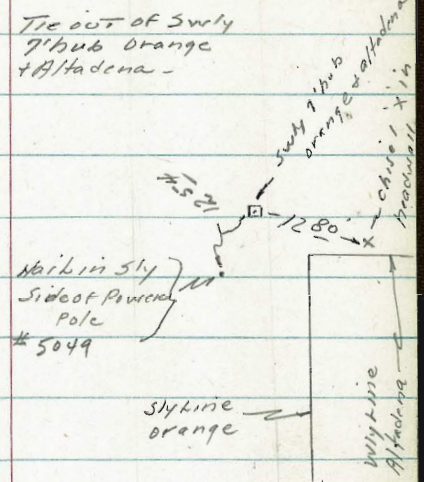
Station	Wly GUT	Rough Grade	Curb Grade	Curb Stake	Wly 1/4	d grade	Ely 1/4	Rough Grade	Curb Grade	Curb Stake	Ely GUT
E.V.C. 25410		C 3.26 352.50		F0.18 349.06				F3.0 345.2		C0.01 348.25	
24490				F0.10 345.78						C0.08 344.78	
4470		C3.73 346.57		C0.16 343.00				F0.48 341.36		C0.01 341.84	
Req Cons Sec. 4450				C0.39 340.82						C0.07 339.43	
B.V.C. 4430		C 2.67 341.19		C0.34 338.86				C0.74 338.26		Grade 337.52	
13493.32		C 1.6 337.1		F0.13 335.37				C 1.16 335.66		C0.04 334.50	
03456.66		C 0.77 333.26		F0.12 332.49				C-1.84 333.33		F0.01 331.49	
E.V.C. 13420		C 1.16 330.64		C0.04 329.48				F0.13 328.35		F0.11 328.48	
13400				C0.16 328.11						C0.57 326.95	
2480		C 2.54 329.18		C0.22 326.64				C 1.2 326.6		C 1.14 325.64	

Pave Altadena St. Orange to Trojan cont

Station	wly GUT	LT Rough Grade	wly Curb Grade	Curb Stake	wly 1/4
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RT = eky.

Grade	ELY 1/4	Rough Grade	Curb Grade	Curb Stake	ELY GUT.
-------	------------	----------------	---------------	---------------	-------------



5/4 Trojan
6700 38

C-1.52
367.53 366.01

365.02

CB BC
5492,38

364.01

C2.82
367.33 364.51 Co. 31
364.79

F1.99
361.52 363.51 Co. of
Co. 11
363.56 363.01

5751 19

C1.64
358.51 356.87 F0.06
356.81

F5.34
350.53 355.87 F0.32
355.55

IMPROVED

Kerest Drive & University / See Page 73

Curbs - See Also G 332 -
Dwg 11330 - L - Dwg Changed

Station	LT Curb	RT Curb	Station	Used this	Restake of RT Return Curb Stake	RT Curb Grade	Curbs Stake	
5+96.34	Permit 3/6 F0.97 318.53 319.50	338.25 F1.33 318.17	Curb Co.44 321.64 321.20	Curb Co.44 321.64 321.64	Grade See Page 76			
5+76.34	F1.48 321.12 322.60	F1.40 321.20	Co.25 323.85 323.60	Co.30 323.90	#8 (320.21)	F0.46 319.75	320.03 F0.32 319.71	
5+56.34	F1.38 324.72 325.50	F1.55 323.95	Co.26 326.16 325.90	Co.71 326.01	#7 (319.40)	F0.36 319.04	319.20 F0.19 319.01	
EC. 5+39.09	F1.63 326.37 328.00	F1.94 326.06	Co.17 328.00	Co.17 328.17	#6 (318.69)	F0.31 318.38	318.35 F0.01 318.34	
28°48'		F1.63 328.97	Co.82 330.60	Co.82 331.42	#5 (318.08)	F0.33 317.75	317.60 Co.11 317.71	
5+13.72	330.60							
4+93.72 (23°46.5')	332.35		332.35		#4 (317.44)	F0.11 317.33	317.35 Co.14 317.49	
19°48.75'	334.10	Co.86 334.96	334.10	Co.119 335.29				
15°51.00'					#3 (317.50)	F0.30 317.20	317.40 Co.04 317.44	
4+53.72	335.65	Co.81 336.46	335.65	Co.110 336.75				
11°53.25'					#2 (317.70)	F0.30 317.70	317.70 F0.12 317.58	
4+33.72	337.14	Co.76 337.90	337.14	Co.92 338.06				
7°55.5'					#1 (318.25)	F0.29 318.25	318.25 F0.01 318.24	
4+13.72	338.44	Co.52 338.96	338.44	Co.86 339.30				
3°57.8'								
CBAC 3+92.72	339.49	Co.56 340.05	339.49	Co.57 340.06	CBAC 6+16.34	F0.90 315.60 315.57	F0.49 319.00 319.00	Co.31 319.31

Temporary Staking This Side

L = 82.62. Parts divided into 8 equal

Curb Stakes at Oakcrest

Univ. Cont

RT Curb

LT Curb

RT Curb ⁷³

Station	LT Curb		RT Curb		Station	LT Curb		RT Curb	
	Curb Gr	Curb Stake	Curb Grade	Curb Stake		Curb Grade	Curb Stake	Curb Gr	Curb Stk
					EC 5+39.09 28°48' ch=25.33	328.00	F 1.63 326.37	328.00	CO.13 328.13
See Page 76					5+137.2	330.60	F 0.41 330.19	330.60	CO.74 331.34
				23°46.5'					
#5	310.55	F 0.44 310.14			4+93.72	332.35	F 0.33 332.02	332.35	CO.86 333.21
				19°48.75'					
#4	311.31	F 0.50 310.81			4+73.72	334.10	F 0.16 333.94	334.10	C 1.07 335.17
				15°51.00'					
#3	312.20	F 0.77 311.43			4+53.72	335.65	CO.73 336.38	335.65	C-1.12 336.77
				11°53.25'					
#2	313.40	F 0.24 313.16			4+33.72	337.14	F 0.02 337.12	337.14	CO.80 337.94
				7°55.5'					
#1	314.80	F 0.39 314.41			4+13.72	338.44	CO.04 338.48	338.44	CO.62 339.06
				ch=19.97 3°57.8'					
LEFT curb Return divided into 5 parts					BC 3+93.72	339.49	CO.35 339.84	339.49	CO.37 339.86

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Page 503 ST - University to Oakcrest Dr

Dwg 11328-L - 3/3/53

LT = W14

For Rough Grades ^{RT =} e14
6332-30 (Walker) + Lateral B - See

74

Station	W14 90T	Rough Grade	Curb grade	Curb stake	W14 1/4	1/4 grade	e14 1/4	Rough Grade	Curb Grade	Curb stake	e14 90T
EVC 2+18 ⁰²			341.62	Co. 08 341.70					342.12	Co. 21 342.33	
1+98 ⁰²			341.12	Co. 10 341.22					341.62	Co. 28 341.90	
1+78 ⁰²			340.46	Co. 11 340.35					340.96	Co. 21 341.17	
1+58 ⁰²			339.62	Co. 15 339.47					340.12	Co. 10 340.22	
BVC 1+38 ⁰²			338.62	Co. 26 338.36					339.12	Co. 40 338.72	
1+08 ⁰²			336.88	Co. 31 336.57					337.59	Co. 29 337.30	
0+78 ⁰²			335.14	Co. 25 333.89					336.01	Co. 87 335.14	
BVC LT 0+65 ⁶⁸			334.40	Co. 55 332.85					335.31	Co. 35 334.96	
0+48 ⁰²									334.38	Co. 16 334.28	
Ch BEAT 0+18 ⁰²									332.80	Co. 98 331.82	

For Rough Grade See 6332 (Walker)

Pave 56 RT CONT
LT= Wly.

RT= e ly

75

Station	Wly 90T	Rough Grade	Curb Grade	curb Stake	Wly 1/4	q grade	e ly 1/4	Rough Grade	curb Grade	curb Stake	ERT 90T
4+67.44	4°26.91'		346.50	346.75						CO.25	
4+52.54	2°57.94		346.40	346.50						CO.10	
4+45.69	1°28.97		346.30	346.16						FO.14	
CB DCLT 4+34.74			346.20	345.86						FO.34	
3+96.13			345.35	345.21						FO.14	
CB DCLT 3+57.64	See G332 Page 29		344.50	344.52					345.00	FO.06	344.94
3+38.05			344.10	344.03					344.60	CO.05	344.65
3+08.05			343.48	343.56					343.98	CO.25	344.23
2+78.05			342.86	343.10					343.36	FO.35	343.01
2+48.05			342.24	342.35					342.74	FO.14	342.60

S Wly Return at 50th + Oakcrest

Bestake of NELX & NWly 76
 Returns oakcrest + Univ.
 LT Curb Ret. = NELX RT Curb Ret. = NWly.

Station	Curb Grade	Curb Stake	Curb Gr	Curb Stk.	Curb Gr	Curb Stk.
EC. 5+78.64-18°12'15" 347.40		CO.04 347.44				
5+58.95-16°52'32" 347.30		CO.15 347.45			PCC #8 320.23	FO.33
5+49.18-15°32'57" 347.20		CO.14 347.34			#7 319.48	FO.33
5+39.41-14°12'12" 347.10		FO.39 346.71			#6 318.73	FO.19
5+29.64-12°53'07" 347.00		FO.17 346.83	#5	Meat PUT 310.32	FO 47	
5+19.87-11°33'32" 346.90		FO.14 346.76	#4	311.32	CO 27	
5+11.04 5+10.09 10°13'57" 346.85		CO.20 347.05	#3	313.18	FO 38	
5+00.14 5+00.31-8°53'82" 346.75		CO.20 346.95	#2	314.96	FO 76	
4+89.24-7°24'85" 346.70		CO.16 346.86	#1	316.64	FO 95	
4+78.34-5°55'88" 346.60		CO.15 346.75	BC 6+0489	318.22	FO 07	BC 142211T 320.16 CO 34

Final Staking

INDEXED

Oak chest Dr. Polk to

See also
G 332

RT = SLY

77

Station	N14 Got	Rough Grade	Curb Grade	Curb Stake	N14 1/4	2 Grade	SLY 1/4	Rough Grade	Curb Grade	Curb Stake	SLY 90°
1+80			347.70	F0.23 347.47					347.80	F0.11 347.69	
21°29.73'											
1+60			347.80	F0.06 347.74					347.70	F0.12 347.58	
18°48.89											
1+40			347.90	F0.42 347.48					347.60	F0.05 347.55	
16°07.85											
Brk 1+20			348.00	F0.82 347.18					347.51	C0.17 347.68	
13°26.81											
1+00			347.81	F0.63 347.18					347.24	C0.14 347.38	
10°45.77											
0+80			347.62	F0.82 346.80					2' back 346.98	C0.19 347.17	
8°04.73											
0+60			347.44	F0.67 346.77					2' back 346.73	F0.07 346.66	
5°23.69'											
Brk 0+39.60			347.26	C1.54 348.80					5' back 346.66 346.47	C2.17 348.64	98
2°39.43											
Db B C 0+19.80			347.13	C-1.68 348.81					346.58 346.21	C2.00-C 348.21	163
0+00.17			347.00	C1.65 348.65					346.50	C0.53 347.03	

Fly line Polk Ave Winona

Pave OAK CREST CONT

LT = NY

RT = Sky-

78

Station	NY GUT	Rough Grade	Curb Grade	Curb Stake	NY 114	♀ Grade	514 114	Rough Grade	Curb Grade	Curb Stake	NY GUT
4+25			4'back 345.81	C0.04 345.85					346.31		
4+00			4'back 346.02	C0.33 346.35					346.52		
3+75			4'back 346.23	C0.32 346.55					346.73		
3+50			4'back 346.44	C0.06 346.50					346.94		
3+25			4'back 346.65	C0.19 346.84					347.15		
BOXT 2+94.33				C0.25 347.15					347.40	C0.04 347.44	
2+69.42				C0.02 347.10					347.60	F0.07 347.53	
2+44.51				C0.01 347.30					347.80	F0.08 347.72	
CBEC 2+19.60				F0.45 347.50					348.00	F0.24 347.76	
26048.80				F0.54 347.60					347.90	F0.16 347.74	
2+00											
24010.97											

2+94.33 = 577864 Page 76

INT

Pave Oakcrest Dr -
 Front E.C. curb Return SElyeek 50 7 1/2
 To R.C. to Ely. LT = NY

RT = Sly. 79

Station	NY CUT	Rough Grade	Curb Grade	Curb Stakes	NY 1/4	2 Grade	Sly 1/4	Rough Grade	Curb Grade	5ft Curb State	Sly CUT
R.C. 3493 7/2		See Page 72	339.49	Co. 35 339.84					339.49	Co. 37 339.86	
3474 20			340.17	Co. 15 340.32					340.29	Co. 31 340.60	
3454 20			340.71	FO. 13 340.58					340.80	Co. 32 341.12	
Bvc 3434 20			341.20	FO. 05 341.15					341.20	Co. 31 341.51	
2+97.85			341.46	Co. 29 341.75					341.96	FO 04 341.92	
2+75			341.94	Co. 34 342.28					342.44	Co. 26 342.70	
2+50			342.46	Co. 33 342.79					342.96	Co. 28 343.24	
2+25			342.98	Co. 10 343.08					343.48	Co. 02 343.50	
Bvc 2+00			343.50	FO. 33 343.17					344.00	FO. 27 343.73	
1+75			343.69	Co. 25 343.94					344.19	Co. 01 344.20	
1+50			343.88	Co. 06 343.94					344.38	Co. 26 344.64	
1+25			344.06	Co. 02 344.18					344.56	FO. 18 344.38	
1+00			344.25	FO. 20 344.05					344.75	Co. 14 344.89	
0+75			344.44	Co. 10 344.54					344.94	Co. 12 345.06	
0+50			344.63	Co. 05 344.68					345.13	Co. 09 345.22	
0+25			344.81	Co. 09 344.90					345.31	Co. 13 345.44	
= 0+00 Ahead			3' back 345.00	FO. 36 344.64					345.50	Co. 14 345.64	
5+2169 Back			4' back 345.18	Co. 16 345.34					345.68		
5+00			4' back 345.39	Co. 28 345.67					345.89		
4+75			4' back 345.60	Co. 07 345.67					346.10		

57 2169 Back =
 0 + on Ahead =
 F.C. SE 1/4 COR 50 7 1/2 OAKCREST

INDEXED

Curve Return at 51st + Roswell.
 Proj 2629 - D - 5/3/55
 FB 2025-75

Sta	Station	Top Curb Grade	12" Ht STAKE	OUT OR Fill	
B.C.	3+93	BM - Prop Disk	- NE COR 51st	Roswell	
3+7		Elev = 148.96		3' back	
3+5					
BVC	3+34				
		CB EC			
2+9	3+02.37	144.95	145.98	C 1.03	(F 0.106)
2+7					
2+5	2+80.91	143.27	146.97	C 3.70	(F 0.56)
2+2					
PVI	2+02	2+64.34	142.26	146.76	C 4.50 (F 0.42)
1+7					
1+5	2+47.77	141.09	145.91	C 4.82	(F 0.34)
1+2					
1+0	2+31.20	139.81	143.27	C 3.46	(F 0.04)
0+7					
0+5	2+14.63	138.50	142.14	C 3.64	(C 0.15)
0+2					
= 0+10	CB PC				
5+21	1+93.17	136.07	140.12	C 4.05	(C 0.21)
5+0					
	Begin				
4+7	1+85	135.16	139.38	C 4.22	(C 0.28)
4+5					

80

$$\begin{array}{r} 146.10 \\ 1.15 \\ \hline + 49.5 \end{array}$$

$$\begin{array}{r} 70.4 \\ 80.7 \\ \hline 74.7 \\ 5.4 \end{array}$$

$$\begin{array}{r} 3.938 \\ 35.16 \\ \hline 4.22 \end{array}$$

$$2+81.50 - 44.19$$

$$\begin{array}{r} 1.09 \\ 0.75 \\ \hline .34 \end{array}$$

$$\begin{array}{r} 6.28 \\ 6.07 \\ \hline .21 \end{array}$$

$$\begin{array}{r} 43.27 \\ 39.81 \\ \hline 3.46 \end{array}$$

$$\begin{array}{r} 39 \\ 39.81 \\ 39.77 \\ \hline .04 \end{array}$$

$$\begin{array}{r} 42.14 \\ 38.50 \\ \hline 3.64 \end{array}$$

$$\begin{array}{r} 65 \\ 8.50 \end{array}$$

$$\begin{array}{r} 2.14 \\ 16 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 40.12 \\ 36.07 \\ \hline 4.05 \end{array}$$

INDEX

Sta. Sta.
 B.C.
 3+93 B
 3+7 C
 3+5
 Bvc
 3+34
 ob
 2+93+
 2+7
 2+52+
 2+2
 Brv
 2+02+6
 1+7
 1+52+9
 1+2
 1+002+
 0+7
 0+52+1
 0+2
 =0+0.6
 5+21+9
 5+
 Bvg
 4+71+8
 4+5

.25
 16.205
 16.19 =
 16.39
 16.29 = Grade
 10.10

200
 15
 45

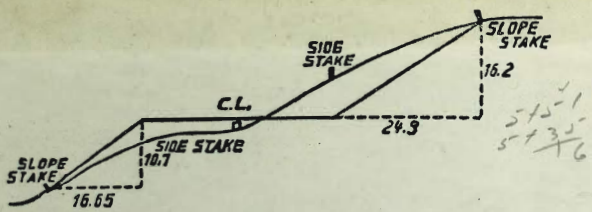
15.31
 15.15
 60

29.3

5+51.19
 5+10.00
 41

92.38

7802
 6561
 4



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 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

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