

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

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

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

G 376

MICROFILMED

APR 19 1965

DIRECTIONS FOR USE OF TABLES

TABLE No. XLV

Distance of slope from side or shoulder
take for any width roadway slope 1V to 1
If ground is nearly level the cut on hill or bank

IMPROVED TABLES
AND
INFORMATION

TABLE No. VIII

To find Tangent and External the 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) opposite 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 degree.

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	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	.120	.127	.135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.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

Water Main Deaville - Roanoke
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Water Stake in Deauville ST ↓
Roanoke To Sea Breeze

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Station	IE Pipe	Stake	CUT
4+61 ⁶¹	200.21	202.97	C 2.76
4+36 ²¹	199.86	202.70	C 3.20
$\frac{5}{5} = 4 + 20'' = PC$	199.04	202.19	C 3.15
$\frac{4}{5} = 3 + 96''$	198.41	201.52	C 3.11
$\frac{3}{5} = 3 + 73''$ ⁵⁰	197.76	200.78	C 3.02
$\frac{2}{5} = 3 + 80''$ ²¹	197.11	200.38	C 3.27
$\frac{1}{5} = 3 + 26''$ ⁹²	196.46	199.67	C 3.21
3+03 ⁶³ = PC	195.81	198.93	C 3.12
2+92 ⁸³	195.49	198.50	C 3.01
2+86 ²⁶	194.47	197.94	C 3.47
2+21 ²⁶	193.49	196.83	C 3.34
1+86 ²⁶	192.51	195.80	C 3.29
1+51 ²⁶	191.53	194.66	C 3.13
1+12 ⁴⁸	190.44	193.64	C 3.20
0+75 ²⁶	189.40	192.03	C 2.63
0+38 ⁰⁴	188.36	191.00	C 2.64
0+02 ⁴⁸	187.36	190.47	C 3.11
Conn. Roanoke 0-25 ⁵ + Make	Meet exist line		

Station	IE Pipe	Stake	CUT
8+66 ⁸⁵	194.22	197.60	C3 ³⁸
8+28 ⁷⁰	195.97	199.89	C3 ⁹²
7+90 ⁵⁵	197.73	201.63	C3 ⁹⁰
+ EVC			
7+52 ⁴⁰ =BC	199.48	202.80	C3 ³²
7+32 ⁴⁰	200.36	203.47	C3 ¹¹
7+12 ⁴⁰	201.10	204.16	C3 ⁰⁶
6+92 ⁴⁰	201.70	205.15	C3 ⁴⁵
6+72 ⁴⁰	202.18	205.42	C3 ²⁴
6+52 ⁴⁰	202.53	205.95	C3 ⁴²
6+32 ⁴⁰	202.78	206.13	C3 ³⁵
6+12 ⁴⁰	202.92	205.96	C3 ⁰⁴
6+00 ⁸¹ FHRT	206.90=T.C.	208.85	C1 ⁹⁵
5+92 ⁴⁰	202.89	205.97	C3 ⁰⁸
5+72 ⁴⁰	202.77	205.73	C2 ⁹⁶
5+52 ⁴⁰	202.51	205.48	C2 ⁹⁷
5+32 ⁴⁰	202.14	205.26	C3 ¹²
5+12 ⁴⁰ =BYC	201.64	204.75	C3 ⁰⁹
4+87 ⁰¹	200.92	203.84	C2 ⁹²

Station	IE Pipe	Stake	CUT
Cont Page 4-			
+ Deauville at Morningside			
12+57 ⁷⁶ =X'	190.26	192.90	C2 ⁶⁴
12+22 ⁷⁶ =FC	189.54	192.25	C2 ⁷¹
12+08 ²⁹	189.64	191.82	C2 ¹⁸
11+83 ¹⁴	188.79	191.36	C2 ⁵⁷
11+63 ¹⁴	188.25	190.78	C2 ⁵³
11+43 ¹⁴	187.84	190.59	C2 ⁷⁵
11+23 ¹⁴	187.56	190.44	C2 ⁸⁸
11+03 ¹⁴	187.40	190.86	C3 ⁴⁶
10+83 ¹⁴	187.36	191.11	C3 ²⁵
10+43 ¹⁴	187.45	190.68	C3 ²³
10+23 ¹⁴ =PRC	188.02	191.45	C3 ⁴³
10+03 ¹⁴	188.50	192.10	C3 ⁶⁰
9+83 ¹⁴	189.11	192.97	C3 ⁸⁶
9+63 ¹⁴	189.85	193.95	C4 ¹⁰
9+43 ¹⁴	190.71	194.51	C3 ⁸⁰
9+05 ⁰⁰	192.46	196.07	C3 ⁶¹

Water line in Deauville cont
 From page 2

Station	IE Pipe	Stake	COT
Nwly Reo Dr 15+21 ⁸⁹ = cb Bc		203.96	C29 ⁶
15+04 ⁵⁴	201.27	203.77	C25 ⁰
14+84 ⁵⁴	201.42	203.80	C23 ⁸
14+64 ⁵⁴	201.45	203.55	C21 ⁰
14+44 ⁵⁴	201.09	203.07	C19 ⁸
14+24 ⁵⁴ = EC	200.32	202.60	C22 ⁸
14+04 ⁵⁴	199.15	201.37	C22 ²
13+80 ⁸⁹	197.46	199.95	C24 ⁹
13+55 ⁴⁶	195.77	198.33	C25 ⁶
13+30 ⁹² = Bc	194.09	197.10	C30 ¹
Morningside S Elycoke Deavt Water & cb EL RT			
12+92 ⁷⁶ = EC	191.46	194.20	C27 ⁴
Morningside X Deauville			
12+57 ⁷⁶ = d	190.26		

Water laterals in Deauville St
Riviera to Morningside

5

LT=ELY - RT=WLT

Station	Topog Grade	Stake	Color fill
Cont Next	Page		

as curbs
Stations on Below Laterals NOT the same

4410⁸⁵=E.C.

4435⁸²W RT 202.49 202.50 C001

3496⁴⁹W RT 201.66 201.25 F0.41

3457¹⁶W RT 200.84 200.36 F0.48

3437⁰⁶W LT 201.38 201.03 F0³⁵

3412⁸³W RT 199.91 199.25 F0.66

2492⁸³-BC

2477⁸³W RT 199.07 198.68 F0³⁹

2470⁸³W LT 198.87 201.38 C2⁵¹

2437⁸³W RT 197.95 197.88 F0⁰⁷

2415⁸³W LT 197.33 200.00 C2⁶⁷

1497⁸³W RT 196.83 196.72 F0¹¹

1460⁰³W LT 196.05 199.07 C3⁰²

1449²⁹W RT 195.47 194.96 F0.51

0486²⁹W RT 193.48 192.90 F0⁵⁸

Riviera St
0400=SLY 12

Water laterals in Deauville
CONT.

Station	Top Cb Grade	Stake	COT
6+80 ⁸¹ W RT	206.01	F048 205.53	
6+57 ⁴⁰ W LT	206.44	F0.24 206.20	F024
6+30 ⁸¹ W RT	206.75	F0.52 206.23	
6+17 ⁴⁶ W LT	206.90	206.71	F0.19
5+80 ⁸¹ W RT	206.82	F040 206.42	F040
5+77 ⁴⁶ W LT	206.78	206.15	F063
5+37 ⁴⁰ W LT	206.23	F0.09 206.14	
5+30 ⁸¹ W RT	206.10	F0.54 205.56	
4+80 ⁸¹ W RT	204.75	F041 204.34	
4+35 ⁸¹ W RT	203.49	202.37	F113

Stationed according to Curb -

Note: Water laterals on tangent are

Water laterals Deauville
CONT

Station	Top Cb Grade	Stake	COT
Δ Chord = 57.32 - Det = 10°01.61' } F031 Lateral Sta = 8+92 ⁴⁰ - Δ = 9+01 ¹⁵ } 196.35 } 196.66 = T.C.			
Δ Chord = 57.32' - Det = 6°09.56' } F143 L Sta = 8+38.40 - Δ Sta = 8+43 ⁷⁸ } 198.31 } 199.74 = T.C.			
Δ Chord = 33.99 - Det = 2°17.51' } F073 L station = 7+84 ⁴⁰ - Δ Sta = 7+86 ⁴⁰ } 201.20 } 201.92 = T.C.			
ground Curve			
Water laterals on LEFT of Deauville (N.H.)			
7+52.40 = B.C. water			
7+37 ⁴⁰ W LT	204.14	203.36	F078
7+30 ⁸¹ W RT	204.28	F0.41 203.87	
6+97 ⁴⁰ W LT	205.55	F0.18 205.37	F018

Water Laterals Deauville Cont
L=Lateral

$$\left. \begin{array}{l} \text{Chord} = 47.20 - \text{def} = 11^{\circ}21.47' \\ L = 9+30^{\text{81}} - \text{Ch} = 9+20^{\text{92}} \end{array} \right\} \begin{array}{l} \text{CO}^{13} \\ 195.86 \\ 195.73 = \text{T.C.} \end{array}$$

$$\left. \begin{array}{l} \text{Ch} = 47.20 - \text{def} = 8^{\circ}10.49' \\ L = 8+80^{\text{81}} - \text{Ch} = 8+73^{\text{69}} \end{array} \right\} \begin{array}{l} \text{CO}^{69} \\ 198.61 \\ 197.92 = \text{T.C.} \end{array}$$

$$\left. \begin{array}{l} \text{Chord} = 47.20 - \text{def} = 4^{\circ}59.50' \\ L = 8+30^{\text{81}} - \text{Ch} = 8+26^{\text{46}} \end{array} \right\} \begin{array}{l} \text{FO}^{02} \\ 200.05 \\ 200.07 = \text{T.C.} \end{array}$$

$$\left. \begin{array}{l} \text{Chord} = 26.82 - \text{def} = 1^{\circ}48.52' \\ L = 7+80^{\text{81}} - \text{Ch} = 7+79^{\text{23}} \end{array} \right\} \begin{array}{l} \text{CO}^{26} \\ 202.50 \\ 202.24 = \text{T.C.} \end{array}$$

Water Laterals on RT (Sly) Deauville

$$\left. \begin{array}{l} \text{Chord} = 56.54 - \text{def} = 17^{\circ}44.63' \\ L = 10+00^{\text{15}} - \text{Ch} = 10+15^{\text{64}} \end{array} \right\} \begin{array}{l} \text{CO}^{21} \\ 192.46 \\ 192.25 = \text{T.C.} \end{array}$$

$$\left. \begin{array}{l} \text{Chord} = 57.86 - \text{Def} = 13^{\circ}55.81' \\ L = 9+46^{\text{90}} - \text{Ch Sta} = 9+59^{\text{06}} \end{array} \right\} \begin{array}{l} \text{FO}^{50} \\ 193.52 \\ 194.02 = \text{T.C.} \end{array}$$

Water Laterals on LT (Wly) Deauville cont

Water Laterals on Deauville 2
Roanoke To Morning Side
See page 61 un-numbered GIB-

$$\left. \begin{array}{l} 10+94^{\text{83}} \text{ W RT} \\ \text{def} = 5^{\circ}52.32 - \text{Chord} = 10.62 - \text{T.C.} = 191.38 \end{array} \right\} \begin{array}{l} \text{CO}^{36} \\ 191.74 \end{array}$$

$$\left. \begin{array}{l} \text{def} = 5^{\circ}03.21 - \text{Chord} = 65.60 \text{ SL} \#105 \text{ RT} \\ 10+23^{\text{14}} - \text{P.R.C.} - \text{Ch} \end{array} \right\}$$

Water Laterals on RT or SLY-

$$\left. \begin{array}{l} 11+66^{\text{02}} \text{ stacked} \\ \text{def} = 10^{\circ}14.10' - \text{Chord} = 9.37 \text{ (W) LT T.C.} = 192.14 \\ \text{def} = 9^{\circ}31.18' - \text{Chord} = 38.50 = \text{SL} \#107 - \end{array} \right\}$$

$$\left. \begin{array}{l} 11+16^{\text{02}} \text{ stacked} \\ \text{def} = 6^{\circ}39.29' - \text{Chord} = 9.37 \text{ (W) LT T.C.} = 191.48 \end{array} \right\}$$

$$\left. \begin{array}{l} \text{def} = 5^{\circ}56.37' - \text{Chord} = 42.19 = \text{SL} \#106 - \end{array} \right\}$$

$$\left. \begin{array}{l} 10+61.07 \text{ 5' back on wLT} \\ \text{def} = 2^{\circ}43.60' - \text{Chord} = 4.62 \text{ T.C.} = 192.21 \\ \text{def} = 2^{\circ}21.51' - \text{Chord} = 30.86 = \text{SL} \#104 \end{array} \right\} \begin{array}{l} \text{CO}^{63} \\ 191.58 \end{array}$$

$$\left. \begin{array}{l} \text{def} = 2^{\circ}21.51' - \text{Chord} = 30.86 = \text{SL} \#104 \\ \text{LT} = \text{Nly of Deauville} \\ 10+23^{\text{14}} - \text{P.R.C. on Ch} \end{array} \right\}$$

$$\left. \begin{array}{l} \text{Chord} = 57.89 - \text{def} = 18^{\circ}02.54' \\ L = 10+35^{\text{81}} - \text{Ch} = 10+20^{\text{09}} \end{array} \right\} \begin{array}{l} \text{CO}^{19} \\ 192.20 \\ 192.10 \end{array}$$

$$\left. \begin{array}{l} \text{Chord} = 47.20 - \text{def} = 14^{\circ}32.46' \\ L = 9+80^{\text{81}} - \text{Ch} = 9+68^{\text{15}} \end{array} \right\} \begin{array}{l} \text{CO}^{71} \\ 194.37 \\ 193.66 \end{array}$$

Water Laterals on RT (Sly) Deauville Cont

Water Laterals Deauville St
CONT

8

Water Laterals Deauville cont.

Water laterals in Ruby St
Goshen To EUREKA ST

9

Station	Top of Grade	Stake	Cut or P. //
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7+25 W LT	149.51	152.45	C 2.94
-----------	--------	--------	--------

1+75 W LT	156.51	159.00	C 2.49
-----------	--------	--------	--------

1+25 W LT	163.51	165.50	C 1.99
-----------	--------	--------	--------

0+75 W LT	170.51	172.96	C 2.45
-----------	--------	--------	--------

0+75 W RT	170.01	170.75	C 0.74
-----------	--------	--------	--------

0+25 W RT	177.02	178.24	C 1.22
-----------	--------	--------	--------

0+00 = W 1/4 R Goshen

Grades Pave Ruby ST
 Sept 4, 1956
 LT=SLY

Goshen To Eureka ST
 W0# 32353 - DWG 3188.D.
 RT=NLY

10

Station	LT 9UT	Rough grade	Top cb grade	curb stake	± grade	NLY 1/4	Rough grade	Top cb grade	curb stake	NLY RT 9UT
Cb RC LT 2+57 1/2 =		C 379 148.79	145.00	C 0 31 145.31			145.50	F 0.32 145.18		
BKK 2+37 1/2 =		C 342 151.22	147.80	F 0.39 147.41			F 249 144.81	C 0 10 147.30 147.40		
2+00 60		C 273 155.68	152.91	F 0 13 152.78			OUT	F 0 10 152.41 152.31		
1+64 08		C 175 159.78	158.03	C 0 02 158.05			F 0 69 156.84	C 0.18 157.53 157.71		
1+27 56		C 220 165.34	163.14	F 0.16 162.98			F 0.12 162.52	C 0.18 162.64 162.82		
0+91 04		C 2 13 170.39	168.26	C 0 09 168.35			C 1 04 168.80	C 0 06 167.76 167.82		
0+54 52		C 317 176.54	173.37	C 0 09 173.46			F 0.72 172.15	C 0 01 172.87 172.88		
BKK RT 0+18 =		C 3.79 182.29	178.50	C 0 09 178.59			F 0 92 177.08	F 0 15 178.00 177.85		
Cb RC. 0+08 =			179.90	F 0 10 179.80				179.00	F 0 32 178.68	
R Goshen 0+00 = WLY		C 142 182.17	180.75				Grade 179.25	179.25		

Pave Ruby S
LT = 54.

Station	RT 90T	Rough grade	Topob grade	CurbStk
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Cont
RT = 144

11

RT 90T	Rough grade	Topob grade	CurbStk	RT 90T
-----------	----------------	----------------	---------	-----------

cbac RT
27544 =

142.10

F 1.48
143.62

Pave Mildred Street -

W0# 32353 - Sept 4, 1956

LT=54 - Blues Wat Lat

Goshen ST Wly To Eureka ST

Dwg 3189 D - FB 223C -

RT=144 -

12

Station	LT 90T	Rough grade	Topos grade	Curb Stk	φ grade	RT 1/4	Rough grade	Top cb grade	Curb Stake	RT 90T
148466		F0.11 151.34	151.45	F0.17 151.28			C1.48 153.93	152.45	F0.02 152.43	
1+75 WRT								153.38	C1.46 154.84	
1+75 W LT			152.38	C0.09 152.47						
1+49 33		F0.44 154.42	154.86	F0.15 154.71			C-2.11 157.97	155.86	F0.45 155.81	
1+25 W LT			157.20	F0.51 156.69						
1+14 00		F0.89 157.38	158.27	F0.25 158.02			C1.10 160.37	159.27	F0.03 159.24	
0+78 67		F1.06 160.62	161.68	F0.07 161.61			C3.45 166.13	162.68	C0.16 162.84	
0+75 W LT			162.03	F1.20 160.83						
0+25 W LT			166.86	F1.72 165.14						
0+43 33		F1.47 163.62	165.09	F0.25 164.84			C2.57 168.66	166.09	Grade 166.09	
6 parts of 35.333~ 15' Rad. 0+08 = cb BC		F2.14 166.36	168.50	F0.39 168.11			C2.30 171.80	169.50	Grade 169.50	
0+00 = Wly R		F1.94 170.6	169.00				C2.1 172.1	170.05		
		Goshen	ST							

Pave Mill Dred. Goshens Wly
LT = 5ly.

To Eureka cont
RT = Nly

13

Stat	LT 9UT	Rough grade	Top cb grade	Curve StK	∅ grade	Rough grade	Top cb grade	Curve StK	RT 9UT
(SELY cor) LT		C 3.66		F 0.33					
3+3103 = BC		134.09	130.43	130.10					
3+15 W LT			133.28	136.69					
RT 3+12 55 = BC			133.71	134.17	134.21	C 3.84 138.55	134.71	C 0.05 134.76	
2+8627		C 2.99 141.18	138.19	C 0.76 138.95		C 4.13 143.31	139.19	F 0.03 139.16	
2+80 W RT							140.26	C 3.85 144.11	
2+75 = W LT			140.12	C 2.77 142.89					
2+60 = EYC		C 1.76 144.44	142.68	C 0.43 143.11	143.18	C 3.25 146.93	143.68	C 0.18 143.86	
2+40		C 0.98 146.70	145.72	C 0.40 146.12	146.22	C 2.49 149.21	146.72	F 0.11 146.61	
2+20 = BYC		F 0.20 147.83	148.03	C 0.04 148.07	148.53	C 2.22 151.25	149.03	F 0.03 149.00	

Pave Mildred st Goshen
 18" - 2" Pipe NELY
 LT = NLY Goshen Mildred
 175.15

ST ELY TO HUENEME ST 14
 DWG 3189-D RT = SLY

Station	LT 9UT	Rough Grade	Topob Grade	Curb Str
2+25 WRT				
2+00		C751 200.32	192.81	F007 192.74
1+75 WRT				
1+60 = EVC		C655 192.21	185.66	C0.21 185.87
1+40		C643 188.86	182.37	F017 182.20
1+20		C627 188.93	179.66	F0.35 179.31
1+00		C574 183.28	177.54	C0.08 177.62
0+80 = BVC			176.00	C017 176.17
0+44		C410 177.85	173.75	C003 173.78
P.C. START 0+08 = cb			171.50	F0.19 171.31
Goshen 0+00 = ELY P.			171.10	

♀ Grade	Rough Grade	Topob Grade	Curve Stake	RT 9UT
		196.78	F0.30 196.48	
	F1.29 191.02	192.31	F0.65 191.66	
		187.84	F0.52 187.32	
	F0.34 184.82	185.16	F0.23 184.93	
	F0.24 181.63	181.87	F0.17 181.70	
	F1.31 177.85	179.16	F0.41 178.75	
	F0.51 176.53	177.04	C0.52 177.56	
		175.50	C0.50 176.00	
	F1.72 171.53	173.25	C0.20 173.75	
		171.00	F0.26 170.74	
		170.40		

BM-2"x2" Pave Mildred - Goshen ST
 Tietosta 0720
 FA 2236-25 (401)
 elev = 230.84

Ely TO HUC NEME ST
 CON
 RT - Sky-

15

LT = NLY

Station	LT gUT	Rough grade	Topob grade	Curb Stake	± grade	Rough grade	Topob grade	Curb StK	RT gUT
4+25WRT									
		see page 50							
RT (WY)									
4+64 15 = BC						F338 219.05	222.37	F220 220.17 C018 222.61	
LT (NLY)		C468		C059					
4+00 15 = BC		227.51	222.83	223.42			222.33		
3+80		C395		F007		F3.83		F002	
		225.60	221.65	221.58		217.32	221.15	221.13 F3.75 216.91	
3+75WRT									
3+60		C4.49		F040		F3.32		C0.46	
		224.20	219.71	219.31		215.89	219.21	219.67	
3+40		C5.58		F0.27		F2.32		C033	
		222.93	217.35	217.08		214.53	216.85	217.18	
3+25WRT									
3+20 = BVC		C7.57		F032		F1.79		F0.22	
		221.82	214.25	213.93		211.96	213.75	213.53	
2+80		C10.77		F013		F2.29		F058	
		217.88	207.11	206.98		204.32	206.61	206.03	
2+75WRT									
2+40		C10.72		C026		F069		F037	
		210.68	199.96	200.22		198.77	199.46	199.09	

Pave Eureka ST - Gaines
 DWIG 3187-D LT = WLY.

Nly To LAURETTA ST
 RT = ELY.

16

Station	LT 90T	Rough grade	Top cb grade	Curb Stake	L grade	Rough grade	Top cb grade	Curb Stake	RT 90T
2+63 w RT LT C.B. B.C.S.			72.87	F406 68.81					
2+90 ¹⁶		F620 71.80	78.00	C004 78.04 C 4.04 67.34		C217 80.67	78.50	F035 78.75	
2+53#16 LT			63.30						
2+50		F475 65.65	70.40	F014 70.26		3 C217 73.11	70.90	F024 70.66 C1.73 65.60	
2+13(W) RT							63.87	F002 63.28	
2+10 = EVC		F417 58.63	62.80	F005 62.75		C217 65.47	63.30	C742 64.92	
2+03#14 RT			57.50				57.50		
1+90		F329 56.31	59.60	C012 59.72		C258 62.68	60.10	C023- 60.33	
1+70 = BVC		F370 53.63	57.33	F014 57.19		C526 63.09	57.83	F004 57.79 C7.98 57.98	
1+30#13 RT			50.00				50.00	F0.36 54.14	
1+30		F572 48.28	54.00	F028 53.72		C325 57.75	54.50		
0+90		F305 47.62	50.67	C0.12 50.79		C346 54.63	51.17	F020 50.97 C7.69 51.89	
0+55#12 RT			44.20				44.20	F0.18 47.66	
0+50 4 pts of 40'		F082 46.52	47.34	C001 47.35		C396 51.80	47.84		
BC'n 0+10 = ch		C209 46.10	44.01	F007 43.94		C495 49.46	44.51	F0.29 44.22	
Gaines 0+00 = Nly Rk			43.32	F. 16 43.16			44.28	F0.59 43.69	

Fave Eureka St Games

LT = WLY

To Lauretta Cont

RT = ELY

16A.

Station	LT 90T	Rough grade	Topcb grade	Curbs StK	2 grade	Rough grade	Topcb grade	curb StK	RT 90T
allway DC 1+21.89 (24')		F361 93.14	96.75	F025 Testment F029 7114 96.50		C353 100.90	97.34	F041 Test 96.93	
allway DC 0+97.89 (18')		F339 91.03	94.42	F022 Test 94.20		C355 98.49	94.94	F0.62 94.32	
0+79.89 (34.95)		chick 1/8K F023 91.98	92.21	F0.07 92.14		C405 96.66	92.61	F063 91.98	
0+44.94 (34.94)		3' back F107 86.28	87.35	C003 87.38		C608 93.63	87.55	F063 86.92	
13CS 0+10 = C6 Riley		Grade 82.50	82.50	F0.11 82.39		C689 89.79	82.50	Grade 82.50	
0+00 = NLY R2		C01.32 81.45	81.13			C643 88.40	81.97		

Parse Eureka St Riley St NLY to Lauretta St

517 R Riley St
3+00 16 =

7910

8010

Pave Eureka St. Kiley to

Lauretta C.H.

17

Station	RT 9UT	Rough Grade	Topcb Grade	CurbstK	ℓ Grade	Rough Grade	Topcb Grade	Curb Stakes	RT 9UT
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Lauretta
Sty R
2+1979=

Ch BCS- 2+0979=	F390 100.00	103.90	F030 103.60			C398 108.88	104.90	F030 104.60	
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(29.30)

1+80.49	^{3back} F452 96.99	101.51	F002 101.49			^{1back} C282 105.70	102.38	F0.24 102.14	
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(29.30)

1+51.19	F266 96.47	99.13	C006 99.19			C3.49 103.35	99.86	F0.33 99.53	
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(29.30)

Pave Lauretta ST
LT = NLY -

Brunnek to Eureka cont 19
RT = Sly -

Station	LT 9UT	Rough grade	Top of grade	curb Stake	± grade	Rough grade	Top of grade	curb Stake	RT 9UT
2+49 ¹⁶ = WLY #	Eureka to		Sly -						
1 2+44 ⁴⁹ = BC LT		C1.91 105.26	103.65	C0.28 103.93					
1 2+41.16 = BC	RT					F245 100.22	102.67	F040 102.27	102 ¹⁶
1 2+31 ³³ W LT			101.75	C0.89 102.64					
1 2+21 ³³ # 41 LT			96.30	C427 101.07					
0 2+14 ¹⁶		C0.69 99.95	99.26	C0.09 99.35		F253 96.23	98.76	F026 98.50	
0 1+98 ³³ W LT			96.97	C0.44 97.41					
0 1+89 ¹⁶ = EVC		C0.53 96.17	95.64	F030 95.34		F226 92.88	95.14	F049 94.65	
0 1+81 ³³ # 40 LT			90.00	C425 94.95					
0 1+69 ¹⁶		F019 92.70	92.89	F020 92.69		F095 91.44	92.39	F015 92.24	
0 1+49 ¹⁶		F019 90.27	90.46	F030 90.16		F131 88.65	89.96	F009 89.87	
0 1+38.33 W LT			89.27	F010 89.17					

Pave Lauretta ST

LT=Nly.

Station	LT 90T	Rough grade	Topob grade	Curb S+K
2+70 EVC		C 3.82 141.52	137.70	F 0.13 137.57
2+50		C 1.22 138.07	136.85	F 0.46 136.39
2+30		C 4.10 139.78	135.68	F 0.17 135.51
2+25 WLT			135.32	C 2.89 138.21
2+10		C 5.26 139.48	134.22	C 0.24 133.98
2+03 #37 LT			129.20	C 8.41 137.61
1+90=BVC		C 2.86 135.00	132.44	C 0.07 132.51
1+75 WRT			129.99	
1+60		C 2.26 131.80	129.54	F 0.05 129.49
1+30		C 2.20 128.83	126.63	C 0.02 126.65

Eureka To Goshen cont

RT=Sly-

21

grade	Rough grade	Topob grade	Curb S+K	RT 90T
	F 2.75 133.95	136.70	F 0.06 136.64	
	F 3.03 132.82	135.85	F 0.54 135.31	
	F 2.81 131.87	134.68	F 0.28 134.40	
	F 2.23 130.99	133.22	C 0.27 133.49	
	F 3.65 127.79	131.44	C 0.15 131.59	
	2K 3 ?	129.99	F 2.24 127.75	
	F 2.07 126.47	128.54	C 0.55 129.09	
	F 2.24 124.39	125.63 126.63	F 0.46 126.17	C 0.54

Pave Lauretta ST Eureka
LT = NLY -

To Goshen Cont
RT = SLY -

22

Station	LT 90T	Rough grade	Top cb grade	Curb StK	L grade	Rough grade	Top cb grade	Curb StK	RT 90T
IR Goshen									
4+00 = WLY									
BC Goshen 3+92 ⁰⁰ = Ch		C4.24 146.34	142.00	F0.43 141.57		F3.67 137.33	141.00	F0.48 140.52	
3+75 WRT							140.40	F2.75 137.65	
3+61 ⁵⁰		C5.28 146.20	140.92	C0.43 141.35		F2.82 137.10	139.92	F0.08 139.84	
3+53 #35 LT			136.60	C9.58 } 146.78 }					
3+47 #36 LT			136.50	C7.13 143.63					
3+31 ⁰⁰		C3.42 143.27	139.85	C0.22 140.07		F2.4 136.4	138.85	C0.09 138.94	
(30.50)									
3+00 ⁵⁰		C3.85 142.63	138.77	C0.44 139.21		F2.6 135.2	137.77	C0.68 138.45	
2+75 WRT							136.08	F2.33 } 134.55 }	

Pave Loretta ST Goshen
LT=NLY

ELY TO HUENEME -
RT=SLY-

23

Station	LT gUT	Rough grade	Topcb grade	curb stake	± grade	Rough grade	Topcb Grade	curb stake	RT gUT
1+40			145.93	F0.08 145.85			145.00	C034 145.34	
1+25WRT							144.80	F407 140.73	
1+20WRT		C303 148.23	145.20	F023 144.97		F55 OUT 82	144.20	C031 144.51	
1+00			144.60	C001 144.61			143.62	C046 144.08	
0+80		C402 148.21	144.19	F009 144.10		OUT 99. F66	143.20	C015 143.35	
0+75WRT							143.11	F461 138.50	
0+60			143.84	F030 143.54			142.84	C014 142.98	
0+40=BVC		C528 148.82	143.54	F017 143.37		F410 138.44	142.54	C001 142.55	
0+08=Cb AC		C547 148.47	143.00	F051 142.49		F399 138.01	142.00	C017 142.17	
Goshen - 0+00=ELY PL			143.09				141.70		

Pave Lauretta ST
LT=NLY

Goshen To Humeine CONT 24
RT=Sly-

Station	LT gUT	Rough grade	Topcb grade	curb stake	± grade	Rough grade	Topcb grade	curb stake	RT gUT
2+60			152.98	F010 152.88			152.36	C082 153.18	
2+53#31LT			148.40	C10.58 158.98					
2+40		C687 158.48	151.61	F009 151.52		F61 OUT91	150.97	C032 151.29	
LT+RT 2+25 W			150.69	C6.05 156.74			149.99	F082 149.17	
2+20			150.38	F018 150.20			149.67	C036 150.03	
2+03#32LT			145.30	C988 155.18					
2+00		C565 154.86	149.20	F020 149.40		F52 OUT78	148.44	C037 148.81	
1+80			148.06	F029 147.77			147.23	C033 147.56	
1+75 W LT			147.77	C399 151.76					
1+60		C403 150.99	146.96	F016 146.80		F50 OUT75	146.09	C024 146.33	
1+53#33LT			142.50	C825 150.76					

adj. about MPJ

stretch at house

Pave Lauretta Goshen →
LT=NLV

Hueneme cont
RT=sky-

25

Station	LT gUT	Rough grade	Top of Grade	Curb Stake	♀	Rough grade	Top of grade	Curb Stake	RT gUT
LT+RT 3+75 W			166.83	C 325 170.08			166.33	F 2.35 163.98	
3+60 = EVC		C 3.83 168.47	164.64	C 0 30 164.94		F 3 01 161.13	164.14	F 0 02 164.72	
3+53 #29 LT			159.50	C 8 23 167.73					
3+40			161.81	C 0.18 161.99			161.36	F 0.21 161.15	
LT+RT 3+25 W			159.72	C 3.75 163.47			159.22	F 1 02 158.20	
3+20		C 4 85 163.88	159.03	C 0 02 159.05		F 0 32 158.18	158.50	C 0 04 158.54	
3+03 #30 LT			152.75	C 9 67 162.42					
3+00			156.47	C 0 04 156.51			155.91	C 0 24 156.15	
2+80		C 6 12 160.58	154.46	F 0 09 154.37		F 1 22 OUT 182	153.88	C 0 20 154.09	
LT+RT 2+75 W			154.09	C 5 43 159.52			153.45	F 3 80 149.65	

Pave Laure Ha Goshen To HUENEME ST 26

Station	RT GUT	Rough grade	Top cb grade	curb Stake	∅ grade	Rough grade	Top cb grade	curb Stake	RT GUT
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FR HUENEME
4+50=WLY

B-C LT+RT

4+42=cb

C673
183.46

C 1.83
178.56

176.73

F516
171.07

176.23

C0.62
176.85

4+55 W RT

173.69

F=291
170.78

4+01

C536
176.04

170.68

C215
172.83

F265
167.53

170.18

C0.11
170.29

143437

Pave Goshen ST. Linda Vista
 DWG 3182-D WO# 32353
 LT = ELY

Road To Mildred

RT = WLY.

27

Station	LT 90T	Rough grade	Top of grade	curb stake	grade	Rough grade	Top of grade	curb stake
1+29 ³⁷ only ELY		C2315 203.85	180.70	F0.14 180.56				
ELY only 1+09 ³⁷ =		C2074 200.34	179.60	F0.35 179.25				
WLY Rwy - 1+01 ³⁷ = Ch PC						F310 175.47	178.59	C0.16 178.73
D+89 ³⁷		C1661 194.77	178.16	F0.54 177.62		F221 175.45	177.66	F0.02 177.64
0+69 ³⁷ BVC		C1193 188.33	176.40	F0.50 175.90		F051 175.39	175.90	C0.05 175.95
0+35		C784 180.92	173.08	F0.53 172.55		C205 174.87	172.82	F0.10 172.72
Corr L.V. Road + Goshen 0+10 ⁸⁷ = SWly							170.25	
WLY curb 0+09 ³⁵ = begin						C1.58 171.68	170.10	F0.17 169.93
ELY curb 0+01 ⁵² = begin			169.85	F0.23 169.62				
+ Goshen Corr Linda Vista 0+00 = S ELY R		C999 179.69	169.70					

Pave Gashen ST Linda Vista
LT=ELY

Road To

R T = WLY

28

Station	LT 9UT	Rough grade	Top cb grade	Curbs+K	♀	Rough grade	Top cb grade	Curbs+K	RT 9UT
2489.37		C569 186.96	181.27	F049 180.78		skip	180.77	F020 180.57	
DC RT 2481.78 ally						F0.36 181.10	181.46	F042 181.04	
ONLY 2469.37 LT		C430 186.91	182.61	F053 182.04					
ally DC RT 2457.28 =						C0.22 182.85	182.63	F020 182.43	
2449.37		C820 191.58	183.38	F036 183.02		F0.19 182.78	182.88	F0.41 182.47	
2429.37		C10.13 193.74	183.61	F0.11 183.50		F0.36 182.75	183.11	F0.26 182.85	
= PVC 2409.37		C12.77 196.05	183.28	C0.07 183.35		C0.01 182.79	182.78	F0.08 182.70	
1480.37		C16.15 198.55	182.40	C0.45 182.85		skip	181.90	C0.01 181.91	
swly Ruby 1467.27 cb DC						C0.81 182.31	181.50	F0.21 81.32	
ONLY EVC 1449.37 ELY		C22.27 203.75	181.46	C0.09 181.55					

Pave HUENEME

LT = Ely

ST

Red = Sewer
Blue = waterLauretta ST sly to Riley
DWG 3185-D-
SEPT 7, 1956
RT = Sly

30

Station	LT 90T	Rough grade	Top cb grade	Curb Stake	LT grade	Rough grade	Top cb grade	Curb Stake	RT 90T
1455 RT		C149 168.10	166.61	F005 166.56		14 Alley F193 164.21	166.11	14 Alley	
1448 = alley BC						F265 164.62	166.23	166.24 - CO ₂ To Street CO09	
1435		C0.65 168.42	167.77	CO07 167.84			167.27	167.36	
1415		F0.15 169.27	169.43	F003 169.40		F258 166.25	168.83	Grade 168.83	
1402#25 LT			165.90	C546 171.36					
0495 = BVC		C059 172.20	171.61	F020 171.41		F369 167.42	171.11	CO02 171.13	
0492 WLT			171.89	CO.34 172.23					
Lauretta BC sly to COK		F044 176.06	176.50	F082 175.68		F499 171.01	176.00	F023 175.77	
0460 = CB LT				C524 177.69					
0447 = #24 Lauretta		C0.13 177.45	177.32	F0.19 177.13		F388 172.94	176.82		
0450 = sly A				C143 179.68					
0437 = WLT Lauretta		C356 181.68	178.12	CO.72 178.84					
0425 = E									
Lauretta 0400 = Nly A		C748 186.84	179.40	C311 182.51		C191 180.81	178.90		

Pave Hueneke ST - Lavretta

To Riley Court

31

Station	LT 90T	Rough grade	Topob grade	curb stake	± grade	Rough grade	Topob grade	Curbstk	RT 90T
Riley 2+95 = 54y R		C 3 35 160.68	160.33	F 0 03 160.30					
WLY- Riley to 2+70 = 116y R			160.33			C 4 40 164.65	160.25		
2+67 = #27 LT			157.20	C 6 00 163.70					
Riley NWeycor 2+60 = C6 BC		C 2 63 164.13	161.50	C 0 05 161.55		C 4 06 165.06	161.00	C 0 53 161.53	
2+57 W LT			161.65	C 2.69 164.34					
2+25		C 3 31 166.51	163.20	F 0 15 163.05		C 2 83 165.53	162.70	C 0 41 163.11	
2+12 # 26 LT			159.70	C 7 20 167.00					
2+02 W LT			164.40	C 2.89 167.29					
2+00		C 2 82 167.24	164.42	F 0 12 164.30		C 1 54 165.46	163.92	C 0 15 164.07	
1+75 Weycor G. 1+72 = 611y BC		C 1 40 167.04	165.64	F 0 10 165.54		F 0 09 165.05	165.14	C 0.27 165.41	
						F 0 28 165.00	165.28	C 0.27 Street 165.55	

Pave Riskey Colusa ST Ely To
 LT=NLY

Eureka ST - DWG 3186-D-
 RT=SLY-

Station	LT 90T	Rough grade	Top of grade	Curb Stk	± grade	Rough grade	Top of grade	Curb Stk	RT 90T
2+01 ²⁰		F116 OUT 174	57.65	F0 09 57.56		F 19.9 OUT 298	56.83	C0 63 57.46	
1+7730		OUT 144 F96	57.49	F0 09 57.40		OUT 280 F187	56.71	C0 52 57.23	
1+5340		F401 53.32	57.33	C0 04 57.37		F 19.9 OUT 298	56.59	C0 39 56.98	
1+2950		C56 62.8	57.17	F0 03 57.14		OUT 182 F125	56.47	C0 43 56.90	
1+0560		11' back C719 64.20	57.01	F0 10 56.91		OUT 52 F38	56.35	F0 02 56.33	
0+8170		5' back C807 64.92	56.85	F0.26 56.59		C0 1 56.3	56.23	F0 20 56.03	
0+5780		05' back C717 63.86	56.69	F0.23 56.46		C3 86 59.97	56.11	F0 10 56.01	
0+3390		C617 62.65	56.53	F0.28 56.25		C3 34 59.33	55.99	F0.17 55.82	
B.C. 0+10=06		C5.61 61.98	56.37	F0 27 56.10		C3 09 58.96	55.87	F0.26 55.61	
Colusa ST 0+00=Ely R		C480 61.30	56.50			C2 78 58.53	55.75		

Pave Riley ST. Colusa Ely To

Eureka ST CONT

Station	LT gUT	Rough grade	Top cb grade	Curb Stk	g grade	Rough grade	Top cb grade	Curb Stake	RT gUT
3+29		omit	61.96	F0.29 61.67		F0.35 60.62	60.97	C019 61.76	
3+24 W LT			61.44	C5.36 66.80					
3+09 ⁰⁰		C5.98 65.89	59.91	C003 59.94		F3.81 58.12	58.93	C082 59.75	
3+03 #19 LT			58.50	010.22 65.72					
2+89 ⁰⁰		C6.19 64.82	58.63	C0.12 58.78		F5.2 OUT 7.9	57.67	C111 58.78	
2+75 W LT			58.27	C4.20 62.47			57.67		
2+69 ⁰⁰		C1.63 59.75	58.12	C008 58.20		under side	57.18	C073 57.91	
2+53 #18 LT			52.00	C5.25 57.25					
2+49 ⁰⁰ = PVC		F2.6 OUT 3.9	57.98	F0.20 57.78		F15.2 OUT 22.8	57.08	C051 57.59	
2+25 ¹⁰		OUT 13.9 F9.3	57.81	F0.04 57.77		OUT 30.1 F20.1	56.95	C068 57.63	

Pave Riley ST. Colusa ST TO

LT=NLY

Riley cont
Eureka?

34

RT=SLY-

Station	LT gUT	Rough grade	Top of grade	curb stake	L grade	Rough grade	Top curb grade	curb stake	RT gUT
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Eureka
WLY RILEY
4449=

C175
82.38 80.63

F60
73.20 79.15

Ch NC
444100=

C214
81.64 79.50 F060
78.90

F67
71.8 78.50 F031
78.19

441033

Ch. 1022 X
C328
77.88 74.60 Grade
74.60

F392
69.68 73.60 F0.17
73.43

3+7967

C308
72.77 69.69 F0.36
69.33

F332
65.37 68.69 F020
68.49

3+74WLT

68.78 C330
72.08

3+82# 20LT

60.70 C830
69.00

{3 parts of
30.666~

3+49=EVC

C349
68.27 64.78 F0.54
64.24

F245
61.33 63.78 C034
64.12

Pave Riley Eureka Fly to
LT=NLY.

Fresno

RT=Jly-

35

Station	LT gUT	Rough grade	Top cb grade	curb stake	X grade	Rough grade	Top cb grade	curb stake	RT gUT
RT (SWly cor. Fresno 1+93.30 = cb BC						F105 104.18	105.23	F020 105.03	
LT only 1+91.45		C663 101.51	105.48	C0.09 105.57			in street No grade		
1+71.45		C511 109.26	104.15	F027 103.88		2' back F0.11 103.54	103.65	F0.19 103.46	
1+51.45 = B.V.C.		C311 104.91	101.80	F001 101.79		F099 100.31	101.30	F020 101.10	
1+25.00 LT			98.40	C328 101.68					
1+15.58		C385 100.83	96.98	C019 97.17		F212 94.35	96.47	F0.26 96.21	
1+03.21 LT			91.40	C8.14 99.54					
0+79.72		C568 97.83	92.15	C006 92.21		F2.79 88.85	91.64	F013 91.51	
0+43.86		C661 93.93	87.32	F0.19 87.13		4' back F138 85.43	86.82	F028 86.54	
(35.86)									
0+08 = cb BC		C677 89.27	82.50	C070 83.20		F097 81.03	82.00	C004 82.04	
Eureka									
0+00 = Fly R			81.97				80.70		

Pave Riley St Fresno

Ely To Goshen

Station	LT gUT	Rough grade C514	Top cb grade	Curve Stake C005	grade	Rough grade C006	Top cb grade	Curve Stake C005	RT gUT
0+26.86		110.79	105.65	105.70		104.69	104.63	104.68	
0+28.43		C640 112.43	106.03	F0.12 105.91		F071 104.31	105.02	F0.11 104.91	
LT 0+25=W			106.07	C5.76 111.83					
RT only - SEly cor 0+08=C6BC				RT only -		F067 104.63	105.30	F005 105.25	
To Ely 0+08=Fresno			106.41	C013 106.54		F075 104.46	105.21	F006	
<hr/>									
To Sly - Ely R Fresno =									
0+00 Ahead =		C632		C0.13					
2+51 1/2 Back		112.73	106.41	106.54					
only - 2+31 1/2 LT		C559 112.27	106.68	F0.26 106.42					
LT only 2+11 1/2		C578 112.36	106.58	F0.28 106.30					

Pave Riley ST Fresno

LT=Nly-

To Goshen cont
RT=Sly-

Station	LT TOT	Rough grade	Top cb grade	curbStk
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ON Sly
edge pave
1466⁰⁰=Fly

right
only
Concerned

Nly-
R Goshen To
145015=Wly

104.42 F034
104.08

Cor Goshen -
BC NWly
144215=Cb

104.50 F042
104.08

To Sly
R Goshen
144100=Wly
SWly cor goshen
143300=Cb BC

RT
only.

141372

C395
108.85 104.89 F001
104.88

048529

C326
108.53 105.27 C005
105.32

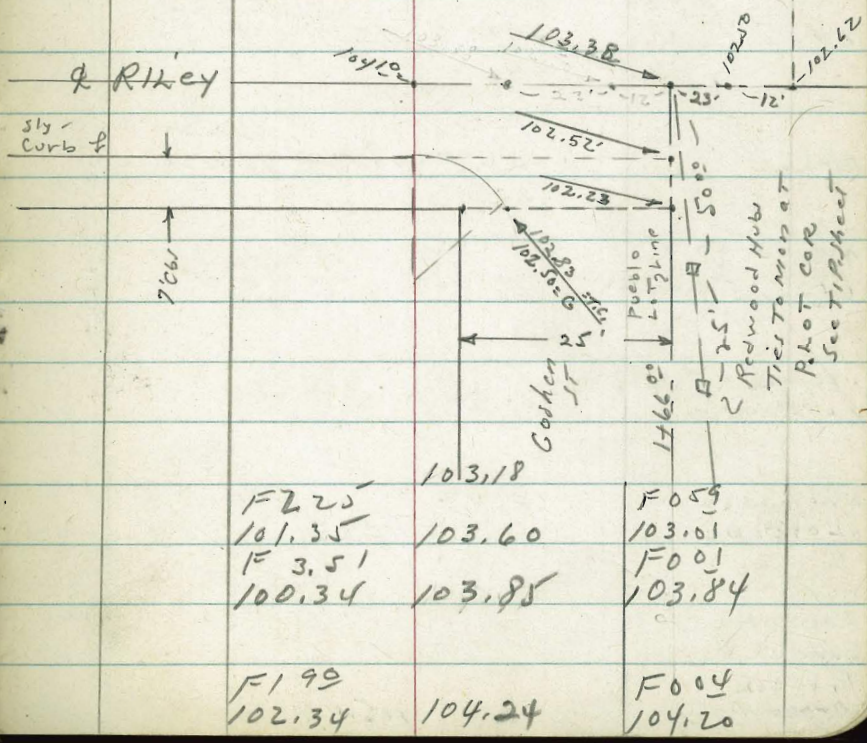
grade	Rough grade	Top cb grade	curb Stk
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Riley

Sly -
Curb f

7066

Goshen ST



Pave Eureka Lauretta ST
LT = Wky

To Mildred ST

Dwg 3188-D. 38

RT = ELY.

Stations	LT 90T	Rough grade	Topob grade	Curb Stk	± grade	Rough grade	Topob grade	Curb Stk	RT 90T
BC ON ELY - 1+39.07 = Alley 1+1796 1+38.76 = WLT		F 2.99 115.51	118.50	C 003 118.53 F 3.51 114.95	F 1.33 116.63	C 6.74 125.74	119.00	C 004 119.04	
BC ON ELY - 1+13.23 = alley		F 2.53 113.68	116.21	C 0.06 116.27		C 6.78 123.49	116.71	F 0.10 116.61	
0+84.39		F 1.87 111.61	113.48	C 0.05 113.53		C 6.63 120.61	113.98	F 0.18 113.80	
0+55.55		F 1.51 109.23	110.74	C 0.10 110.84		C 6.66 117.90	111.24	F 0.19 111.05	
0+26.21		F 1.25 106.75	108.00	C 0.30 108.30			108.50		
N ELY BC 0+25.65 = 90° to						C 8.80 117.26	108.46	C 0.13 108.59	
N ELY COR RT 0+13.20 = 90° to						C 5.21 113.21	108.00		
N WLY COR (LT) 0+08.23 = BC		F 1.02 105.23	106.25	C 0.34 106.59					
Lauretta ST Eureka + Prop cor 0+00 = NWLY			105.40						

Pave Eureka St - Lauretta
LT = why

To Mildred cont RT = ELY.

39

Station	LT PUT	Rough grade	Top of curb grade	curb stk	grade	Rough grade	Top of curb grade	curb stk	RT PUT
To SELY COR			128.70						
2+40.49 = 90°									
Eureka + Mildred To SWLY COR							125.60		
2+27.53 = 90°									
RT = (SELY)						C499		F050	
2+32.26 = CL PC						132.69	127.70	127.20	
BC LT (SWLY)		F552		C019				F013	
2+15.08 = CB		119.98	125.50	125.60			126.00	125.88	
		F526		C001		C673			
2+01.19 ✓		118.98	124.24	124.25		130.97	124.74	12	
1+73.87				F528	F305				
1+75 = WL T			125.74	124.02	121.69				
		F416		F010		C678		F006	
1+70.13		117.21	121.37	121.27		128.65	121.87	121.81	

Pave Eureka - Mildred To

~~see page 41~~
~~for station 11~~

LT = WLY.

Ruby cont

RT = ELY.

41

Station	LT 90T	Rough grade	Top cb grade	Curb & STK	2 grade	Rough grade	Top cb grade	Curb & STK.	RT 90T
130, 25' Rad 2+5478=Cb		F10.08 133.67	143.75	Meet					
COR Ruby - Cb 130-SELY 2+34.49=						C5.08 148.33	143.25	F0.07 143.18	
WLY - R Ruby To 2+2940=Stk		F5.58 136.73	142.31	C0.02 142.33					
2+0268 1+9564 WLT		F4.33 136.88	141.21	00.36 141.57		C5.75 147.81	142.06	C0.05 142.11	
1+70.87		F3.46 136.64	140.98	F2.92 138.06 C0.42 140.52 F2.58		C6.08 146.95	140.87	Grade 140.87	
1+38.76 WLT			138.85	136.27					
130 ELY 1+3907=Alley						C6.12 145.81	139.69	F0.17 139.52	

Pave Fresno ST - Gaines TO

Riley - Dwg # 3185-D-

42

Red = Sewer, laterals

Blue = Water

RT = ELY.

Station	LT gUT	Rough grade	Top cb grade	LT-WLY curb stake	g grade	Rough grade	Top cb grade	Curb stake	RT gUT
1+03#4 RT							66.90	C582 72.72	
0+80 02		F165 65.73	67.38	F003 67.35		C1.70 69.58	67.88	F015 67.73	
0+63W RT							64.96	C201 66.97	
0+63W LT			64.46	F030 64.16					
0+53#5 RT							59.10	C6.91 66.01	
0+53#8 LT			58.50	C346 61.96					
0+45 01		F006 61.20	61.36	F0.22 61.14		C341 65.27	61.86	F005 61.81	
0+13W RT							56.36	C595 62.31	
LT+RT 0+10 cb pc		C317 58.51	55.34	F0.35 54.99		C796 63.60	55.84	F0.22 55.62	
0+03#6 RT							50.80	C1108 61.88	
0+03#7 LT			50.30	C7.89 58.19					
Gaines 0+00 = NLY &		C408 57.88	53.80	F0.07 53.73		C710 61.63	54.53	F0.30 54.23	

Pave Fresno ST Gaines To
LT=WLY

Riley ST cont
RT=Ely

43

Station	LT gUT	Rough grade	Top cb grade	Curb Stake	2 grade	Rough grade	Top cb grade	Curb Stake	RT gUT
2+53#1 RT							93.00	C4.99 97.79	
2+13 W LT			90.26	C0.03 90.29					
2+200]		F098 90.48	91.46	C0.30 91.76		chisel X F0.77 91.19	91.96	F040 91.56	
2+03#10 LT			83.70	C3.83 87.53					
1+8505		F086 84.58	85.44	C0.07 85.51		C060 86.54	85.94	F020 85.74	
1+63 W RT							82.16	C0.73 82.89	
1+63 W LT			81.66	F0.86 80.80					
1+53#3 RT							75.50	C5.91 81.41	
1+53#9 LT			75.00	C1.44 76.44					
1+5004		F292 76.50	79.42	F004 79.38		C121 81.13	79.92	F0.34 79.58	
1+5003		F096 72.44	73.40	F029 73.11		C080 74.71	73.90	F009 73.81	

Pave Fresno St Gaines To Riley St cont

Station	LT 90T	Rough grade	Top of grade	curb stake	± grade	Rough grade	Top of grade	curb stake	RT 90T
IR Riley									
3+00" = Sly		F0.08 104.77	104.85				105.05		
130 LT + RT 2+90" = cb		C0.07 103.57	103.50	Grade 103.50		F0.16 103.84	104.00	F0.34 103.66	
2+55.09		C0.22 97.70	97.48	C0.23 97.71		C0.42 98.40	97.98	F0.28 97.70	

Pave Goshen St - Mildred
LT = Ely

To Laurretta DWG 3183-D.
RT = Wly

45

Station	LT TOT	Rough grade	Top cb grade	curb stk	± grade	Rough grade	Top cb grade	curb stk	RT TOT
Laurretta 2+190.8 = Nly R		C1.62 144.87	143.25			C898 146.50	142.52		
B.C. LT+RT 2+09.58 = cb		C450 148.50	144.00	F0.23 143.77		C305 146.55	143.50	F0.10 143.40	
1+80.31		C192 149.58	147.66	F0.16 147.50		chisel F0.54 146.62	147.16	F0.33 146.83	
1+51.05		C474 156.07	151.33	F0.21 151.12		F0.15 150.68	150.83	F0.23 150.60	
B.C. LT+RT 1+21.79 = alley		C1.19 156.19	155.00	F0.28 154.72		F1.11 153.39	154.50	F0.05 154.45	
B.C. LT+RT 0+97.79 = Alley		C234 160.34	158.00	F0.47 157.53		F1.03 156.47	157.50	C0.13 157.63	
(29.27)									
0+68.52		C291 164.59	161.68	F0.58 161.10		F0.29 160.19	161.18	C0.19 161.37	
(29.26)									
0+39.26		C200 167.33	165.33	C0.18 165.51		F1.93 162.90	164.83	F0.19 164.64	
(29.26)									
RT+LT 0+10 = cb BC		C046 169.46	169.00	F0.32 168.68		F2.37 166.13	168.50	F0.16 168.34	
Mildred 0+00 = Sly R		F0.11 169.97	170.08	F0.11 169.97		F2.05 167.05	169.10	F2.05 167.05	

Pave Goshen lauretta To

Riley - Dwg 3183-D.

46

2+4457 = Riley ^{only} LT

F018 LT = ELY
102.14 102.62

RT = WLY

Station	LT gUT	Rough grade	Top of grade	Curb Stk	± grade	Rough grade	Top of grade	curb Stk	RT gUT
Riley 2+1957 = NLY		skip	103.63			C286 107.23	104.47		
LT+RT 2+0957 = cb bc		C268 107.18	104.50	F014 104.36		C359 108.59	105.00	F012 104.88	
1+8467		C164 110.68	109.04	F034 108.70		C248 111.68	109.20	F051 108.69	
1+5978		C047 114.06	113.59	F033 113.26		C221 115.60	113.39	F065 112.74	
1+3978		C004 117.20	117.16	F037 116.79		C098 117.72	116.74	F063 116.11	
BC LT+RT 1+2178 = alley		F025 119.99	120.24	F049 119.75		F130 118.45	119.75	F062 119.13	
BC LT+RT 0+9778 = alley		F025 124.01	124.26	F035 123.91		F048 123.28	123.76	F035 123.41	
0+6852 (29.26)		F033 128.85	129.18	F038 128.80		F109 127.59	128.68	F014 128.54	
0+39.26 (29.26)		F103 133.06	134.09	F026 133.83		F116 132.43	133.59	F026 133.33	
LT+RT 0+10 = cb bc		F145 137.55	139.00	F023 138.77		F183 136.67	138.50	F020 138.30	
R Lauretta 0+00 = SLY		F155 138.95	140.50			F181 138.24	140.05		

curb + walk at SWly cor Euclid
 + Holly ST - Ding 5940-B-
 Sept 12, 1956

Station	Top of grade	elev stake	Cut or Fill	
BM = BP W. end of Sly curb Churchward + 1177 perial - elev 184.86				
1404	62.68			
curb 0+85 ⁰⁰ = Sly end	162.89 163.60	64.79	C190 C119	
0+56.67	164.03 164.98	164.83 164.88	C085 F010	C080
0+28 ³³	165.22 166.37	165.06	F016 F131	
SWly cor Holly Euclid 0+00 = BC ON Euclid	166.90 167.76	166.91 166.68	F085 F108	
1/2 of Return	7.27 168.73	167.27 167.13	F086 F100	
Wly end of Return	167.64 168.50	167.55 167.27	F095 F123	

Pave Deauville St. (Rancho Hills Dr-) Reo To Seabreeze Sec 9-35-8 48

Station	LT 9UT	Topcb grade	Curb stake	Topcb Gr	Curb stake
2+28 ⁵⁷		211.55	C060 212.15	211.55	C023 211.78
1+92 ⁵⁷		210.26	C093 211.19	210.26	C0.61 210.87
1+52 ⁵⁷		208.96	C080 209.76	208.96	C040 209.36
1+20 ⁵⁷	EVIC	207.66	F008 207.58	207.66	F007 207.59
1+00 ⁵⁷		207.05	C026 207.31	207.01	F006 206.95
0+80 ⁵⁷	BVC	206.66	F001 206.65	206.52	C0.24 206.76
0+59 ¹³		206.29	C009 206.38	206.15	C018 206.33
0+34 ¹³	RESELY COR =CB	205.86	F015 205.74	205.44	C030 205.74
0+00	Deauville Reo LT-NELY COR =CB BC	205.28	C012 205.40		

Station	Top cb grade	Curb Stake	Top cb Grade	Curb Stake
Scabreeze				
17 Ely R				
3+65 ⁵⁷ = 90T 21494	(216.14)	C120 To 90T	215.44	F265 212.79
17 end cb LT R Seabreeze				
07 3+40 ⁵⁷ = WL	215.01	C047 215.48	215.01	F053 214.48
04 3+27 ⁵⁷	214.79	F016 214.63	214.79	F035 214.44
RC 04 3+00 ⁵⁷	214.14	C031 214.45	214.14	F047 213.67
RC LT 04 2+64 ⁵⁷	212.85	C056 213.41	212.85	F018 212.67

Pave Frank Port St. TONOPAH To
 W10# 32347- OCT 25, 1908 - C. Allen
 LT = SELY

Mokema - Ding 336 3-D- FB E-15- ST
 RT = NWLY -

Station	LT 90T	Rough grade	Topch grade	Curb STK	Rough grade	Topch grade	Curb STK
1430 ⁸⁰		F003 12.63	12.66	C0.21 12.87	C1.87 14.53	12.66	C1.04 13.70
1410 ⁸⁰			14.15	C0.09 14.24		14.15	C0.95 15.10
0490 ⁸⁰		X-116006 F200 13.80	15.80	F0.05 15.75	C0.28 16.08	15.80	C0.60 16.40
0470 ⁸⁰			17.61	F0.13 17.48		17.61	C0.07 17.68
0450 ⁸⁰ = BVC		X-116006 C031 19.90	19.59	F0.58 19.01	X-0.7130ACK C0113 19.72	19.59	F0.39 19.20
LT 0413 = CB BC		CHISEL X back C027 24.47	23.50	F0.36 23.14		23.50	F1.19 22.31
0404 ²⁸						24.60	F1.40 23.20
RT on 15- 0404 ³³						26.00	F1.82 24.18
RT 0-13 = CB BC					F204 25.21	27.25	F1.25 26.00
TO ELY - TONOPAH 0400 = SWLY R							

Pave Frankfurt cont
LT = SELY

RT = NWLY

52

Station	RT gwt	Rough grade	Top curb grade	Curb slope	Rough grade	Top curb grade	Curb slope	RT gwt
3+34.44		6.21 6.62	6.41	C 0.04 6.45	C 1.29 7.71	6.42	C 0.48 6.90	
3+12.63			6.52	F 0.02 6.50		6.53	C 0.81 7.34	
5 parts of 21.83								
2+90.80 EVC		C 0.40 7.03	6.63	F 0.41 6.22	C 2.45 9.09	6.64	C 1.44 8.08	
2+70.80			6.81	F 0.11 6.70		6.81	C 1.78 8.59	
2+50.80		C 0.51 7.67	7.16	F 0.10 7.06	C 3.30 10.46	7.16	C 1.99 9.15	
2+30.80			7.67	C 0.15 7.82		7.67	C 2.24 9.91	
2+10.80		C 0.47 8.81	8.34	F 0.71 7.63	C 3.46 11.80	8.34	C 2.09 10.43	
1+90.80			9.17	C 0.57 9.74		9.17	C 2.08 11.25	
1+70.80		F 0.26 9.91	10.17	C 0.31 10.48	C 2.94 13.11	10.17	C 1.73 11.90	
1+50.80			11.33	C 0.23 11.56		11.33	C 1.37 12.70	

LT = SELV

RT = NWLY.

53

Station	LT 9UT	Rough grade	Top of grade	Curb S+K	Rough grade	Top of grade	Curb Stake	RT 9UT
5+15 ⁸⁰			5.51	C 1.20 6.71		5.51	OUT	
4+89 ⁹⁰	C 0.45 6.09		5.64	C 0.12 5.76	C 0.27 5.88	5.64	F 0.10 5.54	
4+64 ⁹⁰			5.77	F 0.50 5.27		5.76	F 0.12 5.64	
4+39 ⁹⁰	C 0.27 6.16		5.89	C 0.10 5.99	C 0.28 6.17	5.89	F 0.15 5.74	
(23)								
4+16 ⁹⁰ BC = 9/1/27			6.00	C 0.28 6.28			OUT	
Line 4+14 ⁹⁰ = Alley	C 0.01 6.02		6.01	C 0.27 6.28	C 0.26 6.27	6.01	F 0.20 5.81	
Line 3+99 ⁹⁰ = Alley	F 0.16 5.92		6.08	F 0.12 5.96	C 0.48 6.50	6.09	OUT	
3+97 ⁹⁰ = Alley BC			6.09	F 0.13 5.96		6.11	C 0.09 6.20	
3+78 ⁰⁸			6.19	C 0.23 6.42		6.20	C 0.21 6.41	
3+56 ²⁶	C 0.38 6.68		6.30	F 0.07 6.23	C 1.19 7.50	6.31	C 0.44 6.75	

Station	LT GUT	Rough grade	Top of grade	Curb Stake	Rough Grade	Top of Grade	Curb Stake
B.C. LT.							
5+256 ¹ = CB		5.105 6.54	5.47	6.114 6.61			
B.C. RT							
5+22 ⁴³ = CB					60.23 5.71	5.48	60.02 5.50

Station	LT edge Pave grade	Stake	RT edge Pave grade	Stake	
Pave T 4400 1/2 Flyedge					
(T) 3499 ⁹⁶ Linc Alley	6.55	C032	6.49	C036 (6.50) 6.46	
3497 ⁹⁶					
3480	6.70	C051 7.21	6.70	checked C006 6.76	
3465	6.80	C344 Nail 10.24 .80BK	6.80	C034 7.14	Nail .55 back
3450	6.90	C053 17 1/2 BK 7.46	6.90	C082 7.72	Nail .80 back
3425	7.07	C070 Nail 7.77 .30BK	7.07	C014 7.21	Nail 17 1/2 back
3400	7.23	C048 Nail 7.71 .3 back	7.23	C087 8.10	Nail .80BK
2475	7.40	C053 Nail 7.93 .3BK	7.40	C059 7.99	PK .55 Back
2450	7.56	C055 Nail 8.11 .25BK	7.56	C035 7.91	Stub 1' back
2425	7.72	C026 Nail 7.98 .25BK	7.72	C041 8.13	Nail .5 Back

T Alley BIK 3 CORELLA

Tract Diag 3364 - WO# 32347 57
RT = NELY

Station	T or SWLY edge Pave grade	Stake	RT or NELY edge Pave grade	Stake
1+96 ⁰⁶	6.05	C065 6.70	6.29	Nail 33 back C008 6.37
1+74 ⁰⁴	6.11	C056 6.67	6.36	C006 nail .35 bk 6.42
1+52 ⁰²	6.18	C048 6.66	6.42	F007 B'bk 6.35
To Ely 1+30 = Alley Line	6.24	C051 6.75	6.49	(6.48) 'x' C038
To Ely 1+10 = Alley Line	6.30	C072 7.02	6.55	C032
0+85	6.38	C061 6.99	6.62	F005 6.57
0+60 = FVC	6.45	C047 6.92	6.70	F001 6.69
0+40	6.59	C008 6.67	6.84	C008 6.92
0+20	6.89	F022 6.67	7.14	F012 7.02
ST = BVC 0+00 = Nashville	7.36	Meet exist	7.33	Meet exist

Pave Alley
 Nov 2, 1956
 BM-Top FH NE
 44⁷²+P.O.K.-356.22

BIK 2 City Hts Annex
 C. Allen, D. Sisson -
 LT = Ely -
 edge pave
 grade

#1 - WO# 31778 - Dwg 3214-D- 59
 C. Powell - R. Parks.
 RT = WLY

Station	edge pave grade	Stake	RT edge Pave grade	Stake	
1+86	52.59	C0.51 53.10	52.59	C0.23 52.82	Nail 0.87 back
1+64	52.90	C0.33 53.23	52.90	C0.65 53.55	Nail 1.21 back
1+42	Nail 0.35 53.21 back	C0.85 54.06	53.21	C0.44 53.65	Nail .65 back
5 parts of 22'					
1+20 = EVC	Nail 353.52 .30 back	C0.30 53.82	53.52	C0.13 53.65	Nail -0.15 back
1+00	'X' 1' back 353.72	C0.07 53.79	53.72	C0.08 53.80	1.1' back
0+80 = BVC	'X' 2' back 353.75	C0.11 53.86	353.75	F0.48 53.27	
0+60	chisel X 353.71 1' back	F0.04 53.67	53.70	C0.05 53.75	
0+40	1' back 353.66	C0.24 53.90	53.65	C0.16 53.81	1.1' back
0+20	1' back 353.61	C0.33 53.94	53.60	F0.14 53.46	
0+00 = SLY @ P.O.K	353.56		353.55		

Station	Pave Alley BIK 2 LT=ELY	
	ely edge Pave grade	Stake
4+08	52.66	C0.16 52.82
3+85	352.52	C0.42 52.94
3+62	352.38	C0.25 52.63
3+39	52.24	C0.57 52.81
3+16	52.10 Nail 0.71 Back	C0.44 52.54
2+93	51.96 1' 11" BK	C0.99 52.95
(10 parts of 23')		
2+70 = EVC	351.82 11" BK	C0.79 52.61
2+50 = 1/2 C.R.	351.80 11" BK	C0.70 52.50
2+30 = BVC	351.98 11" BK	C0.77 52.75
2+08	52.28 11" BK	C0.18 52.46

CONT
RT=WLY

60

Wly edge
Pave Grade Stake

52.57	C0.96 53.53	
52.44	C0.52 52.96	
52.32	C0.59 52.91	1' 2" back
52.19	C0.74 52.93	11" back
52.07	C0.57 52.64	11" back
51.94	C0.23 52.17	
351.82	C0.39 52.21	
351.80	C0.82 52.62	11" back
351.98	C0.34 52.32	11" back
52.28	C0.12 52.40	11" back

Pave Alley BIK 2
LT = ELT

CONT

61

RT: WLY

Station
ely edge
Pave grade Stake

WLY edge
Pave grade Stake

(44999) } Meet
5+00: } exist
pave

353.35

353.18

4480

~~4477~~

353.12

C0.13

53.25

352.96 ✓

C0.31

53.27

Bl'back

4454

52.94

C0.08

53.02

52.82

C0.17

52.99

4431

52.80

C0.25

53.05

52.69

C0.29

52.98

Pave Alley Block 22, Ocean Beach
 Nov 15, 1956 - DWG 3630-D

LT = SW edge
 SW edge
 Pave grade

Station

Stake

Park - Map 1167 - WO # 32727 - 62

RT = N ELY -

NE 4y edge
 Pave grade Stake

2+25	29.51	F0.15 29.36		29.51	F0.06 29.45	
2+00	29.74	C062 30.36	NAIL IN 0.71 BACK	29.74	C011 29.85	
1+75	29.98	C026 30.24	0.75 BACK	29.98	C037 30.35	
1+50	30.21	C0.26 30.47		30.21	C0.35 30.56	'X' 2' back
1+25	30.44	C1.41 31.85	NAIL 0.19 BACK	30.44	C0.36 30.80	
1+00	30.67	C090 31.57	NAIL 0.12 BACK	30.67	C043 31.10	
0+75	30.91	C022 31.13		30.91	C041 31.32	
0+50	31.14	C0.63 31.77	NAIL 1.04 BACK	31.14	C0.23 31.37	
0+25	31.37	32.07 - C070 NAIL, 93 back		31.37	C0.19 31.56	
E Bce 5 0+00 = NWLY R	31.60 (31.66)			31.60 (31.64)		

Alley BIK 2, D.B. Park

LT=SWLY

CONT
RT=NISLY

63

Station	LT=SWLY edge Pave grade	Stake	NISLY edge Pave grade	Stake	
4+75	27.19	F007 27.12	27.19	27.27	CO.08
4+50	27.42	C004 27.46	27.42	27.63	CO.21
4+25	27.65	CO.29 Nail 27.74 0.72 BK	27.65	27.65	Grade
4+00	27.89	F0.13 27.76	27.89	28.57	CO.68 Nail 1.5 BK
3+75	28.12	CO.34 Nail 28.46 0.20 BK	28.12	28.12	Grade 81' back
3+50	28.35	F0.09 28.26 1.50 BK	28.35	28.62	CO.27
3+25	28.58	CO.80 Nail 29.28 0.24 BK	28.58	28.50	F0.08
3+00	28.82	CO.29 29.11	28.82	29.02	CO.20 X'-2' BK
2+75	29.05	C103 Nail 30.08 0.27 BK	29.05	29.15	CO.19 X-2' BK
2+50	29.28	CO.02 29.30	29.28	29.25	F0.03 X' 2' BK

Alley 131K 22. 0.13 Park

LT = SWLY

CONT

64

RT = NELLY

SWLY edge

RT = NELLY edge

Station

Pave grade

STAKE

Pave

STAKE

Sunset cliffs

6+00 = SWLY edge

25.34

25.25

SET CROSS
FOOT

5+80

25.82

C081
26.63
x' 2'
blk

25.77

C047 Nail
26.24 0.25
BK

5+60

26.23

C053
26.76

26.20

C042 Nail
26.62 0.25
BK

5+40

26.55

C050
27.05

26.54

C026
26.80

5+20 = 13Vc

26.77

C070
27.47

26.77

C004
26.81

5+00

26.96

C031
27.27

26.96

C016
27.12

CONST SEWER IN AVENIDA DE LA
 Dvig 3700 - D - REF L.I.L. B-19-FB2259
 BM = Top com Mon 30' RT of Sta 6 + 89' 9" - B-9 = 76.91 14

Station	IE SEWER	Stake	CUT
3+28 ⁵⁰	77.12	omitted due To Hedge	
3+06 ⁰⁰	75.35	82.62	C727
2+83 ⁵⁰	73.57	80.54	C697
2+66	71.80	78.62	C682
2+38 ⁵⁰	70.03	77.32	C-7.29
2+16 ahead	68.26	76.14	C788
= Tied on spot S. 83 + 5.83 Swly-			
MH# 5			
2+10 Back =	68.26	76.14	C788
1+89	68.17	76.84	C867
1+68	68.09	77.11	C903
1+47	68.01	78.63	C1062
1+26	67.92	79.03	C1111
1+05	67.84	79.07	C1123
0+84	67.75	78.42	C1067
0+63	67.67	77.39	C972
0+42	67.59	77.33	C974
0+21	67.50	75.85	C835
Thru easement T Branch Line To sly 0+00 = X MH# 3	67.42	75.37	C795

Staked 5' 5.50-

Staked 5' 4.50

Playa - WOH 32 674 - 11-29-56 65

Station	IE SEWER	Stake	CUT
2+41.37	31.59	39.70	C811
2+06.37	28.71	36.94	C823
1+71.37	25.82	33.97	C815
1+36.37	22.94	31.94	C900
# 1 - 90° to P.T. 1+25 = X MH			
1+00	21.54	31.47	C947
0+75	21.06	30.24 29.24	C870
0+50	20.57	29.20 28.20	C814
0+25	20.09	28.09 27.09	C752
0+00	20.09	27.10 26.10	C701
La Jolla Shores Dr 186' Elyot existing 8"vc 0+00 = Meet			
Main Line from La Jolla Shores Dr.			
<hr/>			
MH# 6			
4+41 = 4	85.99	95.90	C991
4+18 ⁵⁰	84.21	92.01	C780
3+96 ⁰⁰	82.44	89.13	C669
3+73 ⁵⁰	80.67	87.76	C709
3+51 ⁰⁰	78.89	86.73	C784

Sewer in Avenida De La Playa

CONT

BM = CONC Mon 30' AT of Sta 8709'6
L.L. B-9. 97.59

66

Station	IE Sewer	Stake	CUT
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7+19'9	78.97	87.22	C825
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6+84'9	74.98	83.38	C840
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6+49'9	70.99	79.80	C881
--------	-------	-------	------

Tied 707+1414
on Diagonal 4N
SWLY.

SLY Branch.

#3 = 0400 To	67.00	75.37	C.8.37
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6+14'9 = 2MH

5+79'9	63.26	71.85	C859
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5+44'9	59.55	67.94	C839
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5+09'9	55.84	64.41	C857
--------	-------	-------	------

4+74'9	52.13	61.06	C893
--------	-------	-------	------

4+39'9	48.42	57.76	C934
--------	-------	-------	------

ON SPLIT 5.05+10.0

L. = 17°20'30" RT	46.00	55.54	C954
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MH # 2

4+16.37 = 2

3+81'37	43.13	52.29	C915
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3+46.37	40.25	49.12	C887
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3+11.37	37.36	45.99	C863
---------	-------	-------	------

2+76'37	34.48	42.90	C842
---------	-------	-------	------

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

Tie out of Prop points - See L.L. B-9
No # 32674

Avenida de La Playa

Conc Mon 50° 40°

183

45°

PIPE 4847

4847

227.69

1.5.2341

2MH #4	95.02	103.20	C818
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8+60°° =

8+24'9	90.94	99.60	C8106
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7+89.19	86.95	95.24	C829
---------	-------	-------	------

7+54'9	82.96	91.08	C812
--------	-------	-------	------

50°
CIT. IN
2" x 4"
HARRISON'S
RAIL OF FENCE
X
Archival X in
House Found

Pave Alley 131K 331 - Cheater Addition
 LT = NLY
 W. # 32574 - Dec 4, 1956 - DWG 3458-10

30th To 31st Sts. Between Commercial 67
 + Webster
 L.L. I-22 RT = Sly.

Station	LT = NLY edge. Pave	Stake		grade	RT = Sly edge Pave grade	Stake	
2+25	73.32	F006 73.26			73.32	F004 73.28	
2+00	73.23	Grade 73.23	Nail 0.20 BK		73.23	C088 74.11	chisel 'x' 2' BK
1+75	73.13	C0.64 73.77	Nail 0.18 BK		73.13	C0.70 73.83	Nail 0.18 BK
1+50	73.04	C069 73.64	Nail 0.05 BK		73.04	C088 73.92	Nail 0.10 Back
1+25	72.94	C0.24 73.18	Stub 0.25 BK-27	Behind fence	72.94	C1.15 74.09	Nail 0.27 back
1+00	72.85	C0.14 72.99			C054 NLY 72.45 STK	C099 73.84	chisel 'x' 0.05 back
0+75	72.76	C023 73.03			C064 NLY 72.39 STK	C091 73.64	
0+50	72.66	C054 73.10			C076 NLY 72.34 STK	C081 73.43	
0+25	72.56	C0.13 72.69			C040 NLY 72.29 STK	C062 73.12	
30 th ST 0+00 = Ely A	72.46				72.24	72.39	

Pave Alley 331- cont
 LT=Nly

RT-Sly,

68

Station	LT=Nly edge Pave grade	Stake	Grade	RT=Sly edge Pave grade	Stake
4+75	74.26	C0.39 74.65	stuck 0.75 BK	74.26	F006 74.20
4+50	74.17	C0.35 74.52	stuck 0.75 BK	74.17	C001 74.18
4+25	74.07	C042 74.49	stuck 0.75 BK	74.07	F0.14 73.93
4+00	73.98	C029 74.27	stuck 0.75 BK	73.98	C031 74.29
3+75	73.89	C023 74.11	PK Nail 1' BK	73.89	Grade 73.89
3+50	73.79	C0.18 73.97	stuck 0.75 BK	73.79	C079 74.58
3+25	73.70	C015 73.85	stuck 0.75 BK	73.70	C092 74.62
3+00	73.60	C015 73.75	stuck 0.75 BK	73.60 ✓	C065 74.25
2+75	73.51	C0.15 73.66	stuck 0.75 BK	73.51	C0.23 73.74
2+50	73.42	C011 73.53	stuck 1' BK	73.42	Grade 73.42

stuck
1' BK
stuck
1' BK
stuck
1' BK
Nail
0.38 BK

'X'-2' BK
Nail
0.32 BK
Nail
0.42 BK

Station	LT = Nly edge Pave grade	Stake	grade	RT. Sly edge pave grade	Stake
12 31st ST 6+00 8.9 = Wly	72.07	F0 03 72.04		71.79	Meet
5+70 = EVC	^{1.91} 73.54	^{c187175} 74.91	^{C181} 73.10	74.45	^{C154} 78.99
5+56	74.28	^{C0.77} 75.05		74.28	^{C122} 75.47
5+30 = BVC	74.47	^{C0.60} 75.07		74.47	^{C068} 75.75
5+00	74.36	^{C0.24} 74.60		74.36	^{C0.29} 74.65

stus
116K

Page 39^B - National to Florence
 Ref J-23 + 24 LT-Wly

W10 # 32626 - Dec 4, 1956
 DW 912695-L
 RT=014

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Station	LT SUT	Rough grade	Topob grade	Curbstk Foot	Foot Alley	grade	Rough grade	Topob grade	Curbs stake
1+60.92 = alley		C1.18 88.32	87.14	87.10	Fo 19 Alley		C120 88.15	86.95	C0.12 87.07
Alley to wly. 1+57.92 = Nly R									
R. Alley wly 1+41.92 = sty									
Alley BC 1+38.92 =		C057 87.32	86.75	C027 TOST 87.02	alloy C001		C084 87.40	86.52	C011 86.67
1+14		Mail 1.15 C015 86.46	86.31	C008 86.39			C0.54 86.66	86.12	C010 86.22
0+89		1.5 BK C0.35 86.21	85.86	C004 85.90			C051 86.18	85.67	F005 85.62
0+64		1.5 BK C070 86.12	85.42	C0.14 85.56			C0.17 85.40	85.23	F0.07 85.16
0+39		C046 85.43	84.97	C008 85.05			F0.16 84.62	84.78	F005 84.73
0+14		C056 85.09	84.53	F0.09 84.44			F002 84.32	84.34	F002 84.32
LT+RT 0+06 = CB BC		C070 ONRP 85.09	84.39	F0.23 84.16			F001 ONRP 84.09	84.10	F002 84.08
National 0+00 Nly R			84.29					83.30	

Station	LT cut	Rough grade	Top cb grade	curb & stk	± grade	Rough grade	Top cb grade	curb stake
WLy- Logan Ave to 0+00=Nly R			91.05					
Logan Sly R								
2+99.84 =							89.21	
ISC SWLY 2+93.84 = ch		ON R.P. C1.79 91.30	89.51	C0.18 89.69				
CR McSELY 2+89.89 =						ON R.P. C0.04 89.19	89.15	C0.13 89.28
2+60.92		C1.8 90.7	88.92	C0.01 88.93		C0.41 89.04	88.63	C0.23 88.86
2+35.92		C1.62 90.10	88.48	C0.17 88.65		C0.30 88.58	88.28	C0.10 88.38
2+10.92		C1.96 89.99	88.03	C0.10 88.13		C1.63 89.47	87.84	C0.11 87.95
1+85.92		C1.73 89.31	87.58	C0.08 87.66		C1.33 88.72	87.39	C0.20 87.59

Pave 39th St. National To

LT = wly

Florence Cont

RT = eby

72

Station	LT gUT	Rough grade	Top of grade	Curbs & tk.	± grade	Rough grade	Top of cb grade	Curbs & tk.	RT gOT
R. To Ely - (RT) 1+12 ⁹² - alley						F0 12 90.50	90.62		
P.C. RT (eby) 1+09 ⁹² - Alley							90.60	C0 07 90.67	F0 01 To alley
only - 1+07 ⁷⁰ LT		C1.12 92.70	91.58						
1+02 ⁷⁰ RT only							90.57	F0 07 ^{4'} 90.50	
0+85 ⁶⁵ -		^{4.6K} C1.45 92.92	91.47	C0.16 91.63		F0 14 90.34	90.48	C0.12 90.60	
0+65 ⁶⁵ -		C1.37 92.74	91.37	C0.05 91.42		F0 38 90.50	90.38	C0 20 90.58	
0+46 ⁴⁶ -			91.27	C0.03 91.30			90.28	C0.28 90.56	
0+27 ²⁶ -		C0 40 91.58	91.18	C0.21 91.39		F0 35 89.84	90.19	C0.25 90.44	
NELT COR 0+17 ²⁸ = cb P.C. E. Logan + S 39th						F0 35 89.79	90.14	C0.11 90.25	
Nwly COR. 0+06 = cb P.C.		^{in H} C0 52 91.60	91.08	C0 02 91.10					

Pave 39th ST - National To
LT = vly

Florence - Court
RT = cly

73

Station	LT cut	Rough grade	Top of grade	ChstK	grade	Rough grade	Top of grade	ChstK	RT cut
2+07 ⁹²			92.67	C0.25 92.92			91.67	F0.10 91.57	
1+97 ⁹²		C2.52 95.37	92.85	C0.15 93.00		C0.87 92.72	91.85	C0.08 91.93	
1+87 ⁹²			92.88	C0.02 92.90			91.88	C0.05 91.93	
BVC 1+77 ⁹²		C1.98 94.71	92.73	C0.12 92.85		C1.33 93.06	91.73	C0.18 91.91	
1+55 ⁹²			92.22 91.83	C0.34 92.56			90.26	C0.29 91.55	
11/4 1305 1+35 ⁹²			91.76	C0.22 91.98	C0.22 To alley	91.90	90.79	C0.26 91.05	C0.27 To alley
R. Ely + vly 1+32 ⁹² = alley		C1.92 93.64	91.72			C1.24 91.99	90.75		
LT only R. To vly 1+17 ⁹² = alley		C1.01 92.65	91.64						
BVC LT 1+14 ⁹² = alley			91.63	C0.08 91.71	C0.02 To alley				

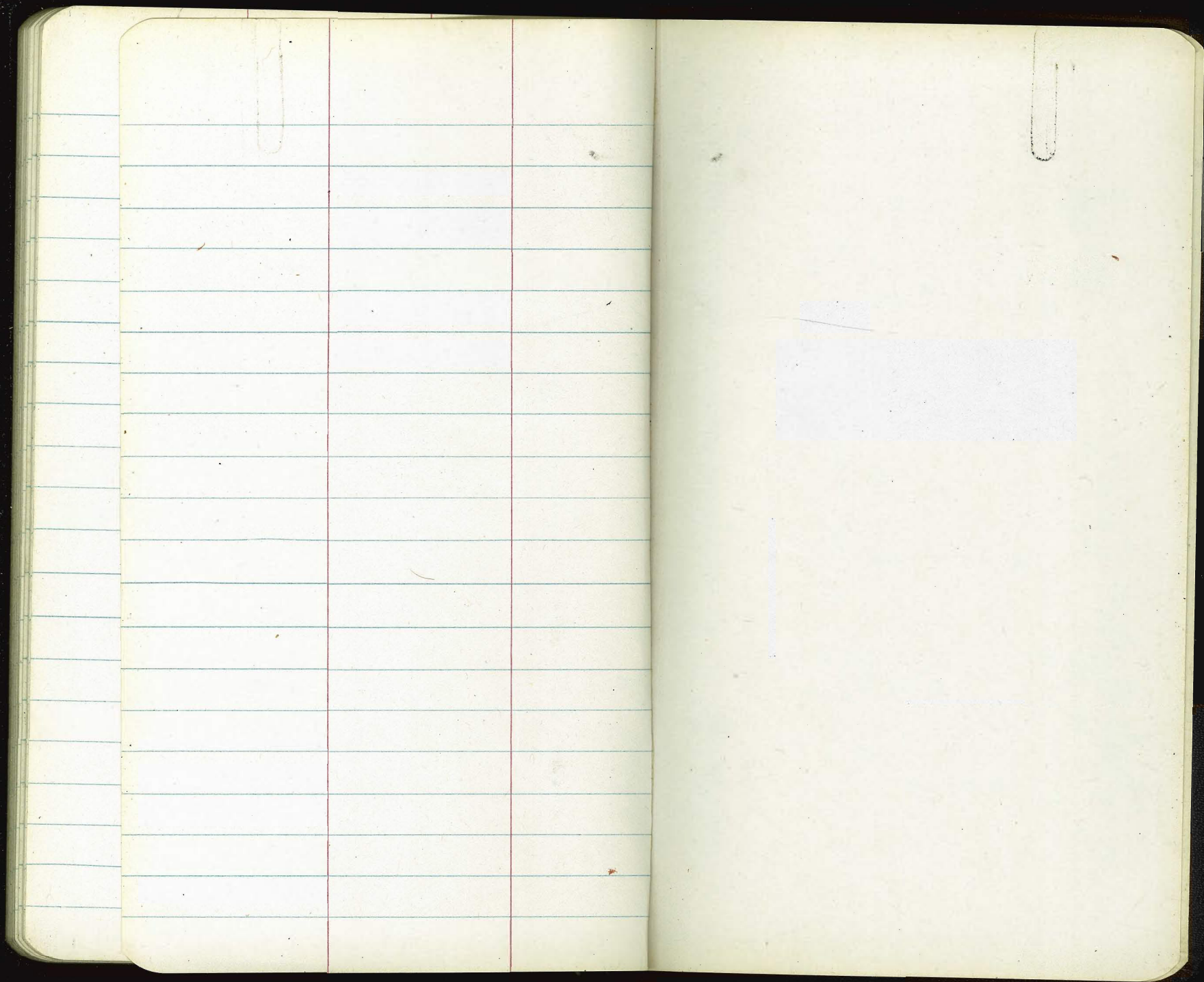
Pave 39th ST. National Ave To Florence.

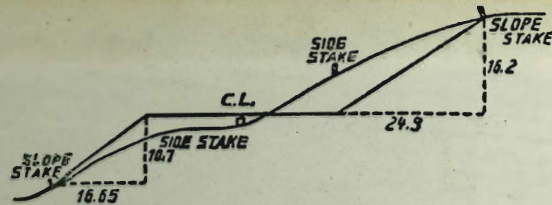
74

LT = WLG -

RT = eLy

Station	RT 90T	Rough grade	Topcb grade	Curbstk	± grade	Rough grade	Topcb grade	Cb. Stk	RT 90T
Florence = 81 + 10 2+5792			90.05				89.01		
2+5192		C-5.89 96.03	90.14	C012 90.26		C-2.66 91.78	89.12	C0.17 89.29	
2+4892			90.49	C0.08 90.57			89.49	C0.16 89.65	
2+3792		2.616 96.14	90.11	F011 91.00		C-2.09 92.20	90.11	C0.12 90.23	
2+2792			91.80	C014 91.94			90.80	C0.06 90.86	
2+1792		C-2.63 94.95	92.32	F002 92.30		C0.56 91.88	91.32	C0.07 91.39	





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

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