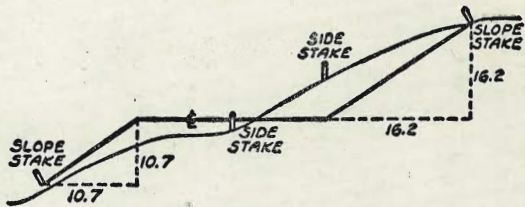


G-358



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.

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DIRECTIONS FOR USE OF TABLES

TABLE No. XLV

Distance of slope stake from side or shoulder stake for large width roadway, slope 1 1/2 to 1. If ground is nearly level, the cut or fill at side

IMPROVED TABLES AND INFORMATION

left column and top row. The number in body from side stake to slope stake. If ground is not level estimate the elevation between the side stake and slope stake lower level by this amount to cut or fill and find distance in table. Set on side of slope stake the distance found. If it does not make the right adjustment necessary.

TABLE No. VIII

To find Tangent and Distance for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve will be given, way be found by dividing tangent (or constant) opposite 1 by given tangent (or constant). 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.

1000000

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	1.91
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	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

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Pave 37th - Logan to 2nd St
 Curbs are in place
 LT = elev

Station	LT OR ELY 90TTCR	ELY 1/4	Grade
---------	---------------------	------------	-------

WO# 32276 - 11/10/55
 DWG 2642 - D ETAL
 RT = w/ly

WHY
 GUTTER

Set chisel crow feet

Station	LT OR ELY 90TTCR	ELY 1/4	Grade
= NYPL NAT'L 3+00.09	48.50 (49.14)		(48.01) 47.50
2+75	49.75 (50.32)		(9.15) 48.66
2+50	51.00 (51.54)		(0.34) 49.82
2+25	52.25 (52.64)		(1.54) 50.98
2+00 = EVC	53.50 (54.03)		(Price) 52.14
1+80	54.39 (54.90)		(53.15) 53.09
1+60	55.06		53.60
1+40	55.51 (56.30)		(Set +1.5) 54.02
BVC 1+20	55.75 (6.31)		54.25
0+90	55.96 (6.48)		54.38
0+60	56.17 (In Drive)		54.51
0+30	56.38 (6.83)		54.64
= Sky Pl. 0+00 Logan	56.58 (7.07)		54.76

Pave Logan - 37th

LT = N1/4 -

To 38th

(2)

Station	LT = N1/4 GUTTER	To p. cb. exist	RT = S1/4 GUTTER	
2+40	73.96	4.38	73.86	(drive)
2+20	73.17	2.60	73.05	(3.40)
2+00	72.20	2.61	72.03	(2.42)
1+80	71.08	71.49	70.86	71.29
1+60	69.78	70.13	69.50	(drive)
1+40 = BVC	68.32	8.76	67.96	(8.40)
1+05	65.55	5.62	65.09	(5.54)
0+70	62.78	3.18	62.23	(2.61)
0+35	60.01	0.53	59.36	(9.80)
37 th 0+00 = Ely P.L.	57.23	7.72	56.50	

Pave Logan - 37th to 38th Curbs are in place

LT = ELY 90T

RT = W1/4 90T

N1/4 Line Newton
2+98⁵³ = ON ELY

42.74

41.35

See dwg
2642 D
FOR ALLEY -

Rake -

0+00 = S1/4 NatL

47.40 (Plan 4750)

46.46 (Plan 4600)

Pave Logan - 38th to
 LT = N14

38th Cont
 RT = S17

(3)

Station	LT = N14 GUTTER			RT = S17 SKY GUTT.	
			EXIST Top Curb		
WLY P.L. 38th 5+99.90 =	83.50			(82.46) Meet 82.50	
5+70	81.70	82.00		80.85	(1.25) .40
5+40	79.90	drive		79.20	(9.67) .47
5+20	78.82	9.35	53	78.21	(8.73) .52
5+00	77.99	8.46		77.46	(7.95) .49
4+80	77.41	7.85		76.93	(7.44) .51
4+60 = BVC	77.07	7.51		76.64	(7.15) .51
4+28	76.73	7.27		76.35	(6.86) .51
3+96	76.38	6.93		76.06	(Drive)
3+64	76.04	6.55		75.78	(6.21) .43
3+32	75.69	6.12		75.49	(5.90) .41
3+00 = EVC	75.35	5.77		75.21	(5.68) .47
2+80	75.05	5.47		74.95	(5.38) .43
2+60	74.89	5.01		74.49	(5.00) .51

LT = Ely -
Curlis are in place last blocks -

RT = wly - #

	Ely 95T	why OTHER
Line 2' ST 3 fac. 13 = Nly	26.50	25.60
Alley on wly. 1+60 = Sly Line		28.57
Alley on wly. 1+40 = Nly line		29.25
PL Boston 0+00 = Sly	34.00	33.26

Rake between Point

Parse 37th - Newton To Boston -

PL Boston (Plans =) 3+13 ⁵⁰ = Nly	35.58	34.75
Notes = 42.59 Plans show 0+15 = Sly PL	43.00	
OB B.C. on wly 8+10		46.79
To wly - Sly P.L. Newton 0+00 = Ave		40.86

Rake

Rake

LT = mly

RT = Sly -

3

Station
LT = 00
Nly
90TTK

RT =
Sly
90TTK

Pave Newton Ave - 37th to

38th - Curbs are in Place -

= Wly Line 38th 74.28 = existing

74.08 = existing

5+99.85 74.00 = Plan

74.00 = Plan

5+79.85 73.86

73.90

5+59.85 73.45

73.75

5+39.85 72.76

73.40

5+19.85 = BVC. 71.79

72.68

Rate

Rate

214 PL 37th
0+00

~~42.50~~ Plan 43.00 = Plan
~~4.00~~ # 43.09 = NOTES

42.59 = Notes

42.50 = Plan

Pave - Newton Ave - 38th to 39th
 DWG # 2645-D - WO # 32276 -

Curbs are in place
 FB # 2343-36 -

Station	Nly 90T	Top curb LT = Nly	RT = Sly
4+50	63.31		5/4 90T = 62.39
4+27 ^e	63.16		62.05
4+04 ⁰⁰	63.02		61.72
3+85 ⁰⁰	62.70		61.61
3+71.77 ^{INLETS} = 2	62.49		61.51
3+50	63.03		62.07
3+25	64.05		63.21
3+00	65.31		64.71
2+84 end new to	65.85	66.35 - 0.51	
2+75	66.15	66.65	66.02
2+50	67.00	67.50	67.33
2+25	68.55	69.05	68.46
2+00	70.10	70.60	69.59
1+75	71.00	71.50	70.51
1+50	71.90	72.40	71.43
1+25	72.51	73.01	72.11
1+00 Begin new curbs	73.12	73.62	72.80
0+75	73.52		73.30
0+50	73.79		73.71
0+25	73.99		74.01
0+00 = Ely Line	74.20		74.31

Pave Newton - 38th to 39th

LT=Nly-

LT=
Nly
90T

Cont -

KT=Sly-

KT=
Sly
90T

w/ Line 39th

Meet
64.50

5799.75

63.50

5775

64.34

63.32

5750

64.18

63.15

5725

63.97

62.99

5700

63.77

62.83

4775

63.54

62.61

Pave Boston - 37th to 38th
 Curbs in place -

WO# 32226 - Dig - 2646-D 8
 FB 2343 - 24 -
 RT = sly -
 RT = sly
 GUTTER

Station

LT = NLY
 LT or
 NLY
 95T

P.L. 38th

6+00¹⁰ = NLY 72.50
 71.78
 5+80¹⁰ 71.51
 5+60¹⁰ 70.72
 5+40¹⁰ 69.73
 5+20¹⁰ = BVC. 68.52

RAKE

4+20 = water on LT - NLY.

1+80 = FVC 41.15
 1+60⁰⁰ 39.75
 1+40 38.62
 1+20 37.83
 0+00 = BVC. 37.31
 0+60 36.62
 0+20 35.94
 = ELY P.L. 37th
 0+00 35.50

72.06

71.18

70.08

68.81

67.36

RAKE

40.15

38.62

37.42

36.57

36.12

35.36

34.60

34.00

T.C. in FB =
 34.09

Pave Boston 38th to 39th
RT = NLY

W O # 32 276 - DWG 2647-D 9
FB 2343 - 24 -
BM = NELY 71'
L + T = 38'
BIST 07
72.66

Station	LT = NLY GUTTER	Rough Grade	Topch Grade	Curb Stake	Rough Grade	Topch Grade	RT = SLY - Curb Stake	RT = SLY - GUTTER
4+9920		C0.90 46.29	45.39	F0.06 45.33	F2.06 43.06	45.12	C0.54 45.70	
4+5430		C2.13 50.45	48.32	C0.44 48.76	F4.00 44.16	48.16	C0.45 48.61	
4+0940		C3.59 54.83	51.24	F0.02 51.22	F8.74 42.46	51.20	C0.12 51.32	
3+6450		C0.98 55.15	54.17	F0.35 53.82	F2.40 51.84	54.24	C0.05 54.29	
3+1960		F2.44 54.65	57.09	F0.20 56.89	C0.08 57.36	57.28	C0.30 57.58	
2+7470		C0.48 60.50	60.02	C0.02 60.04	C3.05 63.27	BON PL. 60.32	C0.68 61.00	
2+2980		C-1.33 64.27	62.94	C0.18 62.13	C4.27 67.63	63.36	C1.14 64.50	
1+8490		F0.58 65.29	65.87	C0.46 66.33	C4.54 70.94	66.40	C0.33 66.73	
E.V.C.		F0.62		C0.08	C3.41	X'S'ink 69.44	C0.07 69.51	
1+40		F1.24 68.17	68.79	68.87	72.85			
1+20		68.74	69.98	C0.07 70.05	C2.39 73.05	70.66	Grade 70.66	
1+00		F0.17 70.76	BON PL. 70.93	C0.07 71.00	C1.59 73.22	71.63	C0.05 71.68	
0+80		C0.53 72.20	BON PL. 71.67	F0.21 71.46	C1.59 73.93	72.34	C0.04 72.38	
0+60		C0.11 72.26	BON PL. 72.15	F0.36 71.79	C1.07 73.85	72.78	F0.50 72.28	
0+40		C4.13 76.43	X'BON PL. 72.30	F0.46 71.84	C1.37 74.32	72.95	F0.13 72.82	
0+20		C3.94 76.39	X'BON PL. 72.45 72.45	F0.63 71.77	C0.82 73.72	BON PL. 72.90	F0.05 72.85	
cb 13c 00+10			72.45 72.50	F0.40 72.05		72.80	F0.21 72.59	
P.L. 38th 0+00 = FLY			72.54			72.79		

Pave Boston 38th to 39th

LT = Nly

Cont

RT = Sly

10

Station	LT Gutter	Rough Grade	Top cb Grade	curb Stake	Nly 1/4	Grade	Sly 1/4	Rough Grade	Top Curb Grade	Curb Stake	Sly Gutter
Culvert in Boston Wly of 39 th			0+00-29.00		0+46	32.75					
			0+23-30.87		0+69	34.62					
					0+92 =	Wly end - 36.00					

5+40 = (W) LT

42.74

4+90 (W) LT

46.00

3+70 (W) RT

53.93

53.93

3+20 = (W) RT

57.26

57.26

2+70 = (W) LT

60.32

Water Laterals

Wly Pl. 39th

5+99⁰²

012.17
51.8

39.28
39.10

00.51
39.79

F6.34
32.06

38.30
38.40

00.45
38.75

C.B. 10C
5+89⁰²

39.55

00.28
39.83

39.05

00.22
39.27

5+44¹⁰

F5.91
36.52

42.47

F0.12
42.35

F1.40
40.68

42.08

00.06
42.14

LT = Nly
 Pave - 2' ST cont

RT = Sly - 12

Station	Nly 90T	Rough Grade	Curb Grade	Curb Stake	Nly 1/4	ϕ grade	Sly 1/4	Rough Grade	TopCb Grade	curb Stake	Sly 1/4-
{5 parts out 30'}											
E.V.C. 4+3993		C5.31 43.71	38.40	C0.20 38.60				F3.76 33.84	37.60	F0.07 37.53	
4+1993		C5.58 43.92	38.34	C0.10 38.44				F0.04 36.50	37.54	C0.19 37.73	
3+9993		C6.05 44.24	38.19	C0.15 38.34				C2.00 39.39	37.39	C0.29 37.68	
3+7993		C6.53 44.41	37.88	C0.06 37.94				12' back C4.92 42.00	37.08	C0.31 37.39	
3+5993		C5.63 43.01	37.38	C0.03 37.41				C3.30 39.91	36.61	C0.47 37.08	
3+3993		C3.14 39.87	36.73	C0.02 36.75				C2.65 38.62	35.97	C0.41 36.38	
B.V.C. 3+1993		12' back C3.30 39.21	35.91	C0.26 36.97				C1.75 36.93	35.18	C0.43 35.61	
40' 2+9993											
B.V.C. 2+7993		12' back C1.08 35.19	34.11	C0.29 34.40				F0.1 33.3	33.44	C0.28 33.72	
2+3993		C0.67 32.99	32.32	C0.17 32.49				F4.69 27.00	31.69	F0.06 31.63	

Pave 2 ST - 37th to

38th cont

LT = Nly -

RT = Sly -

13

Stations	Nly Cut	Rough Grade	curb Grade	curb Stake	Nly 1/4	Grade	Rough Grade	curb Grade	curb Stake	Sty- cut
5+20 W RT										37.33
4+70 W RT										37.50
4+20 W RT										37.55
3+20 W RT										35.19
2+20 W RT										30.81
1+70 W RT										28.58
1+20 W RT										26.87
Wky 38 th - 5+9993 =										
CP BC 5+8993			37.90	C0.28 38.18				37.10	F0.36 36.74	
5+5993	AO ^S BK	C 4.60 42.60	38.00	C0.12 38.12			F 4.08 33.12	37.20	F0.30 36.90	
5+2993	AO ^S BK	C 3.04 41.14	38.10	C0.05 38.15			F 9.01 28.29	37.30	F0.33 36.97	
4+9993	1' B base	C 2.61 40.81	38.20	C0.10 38.30			F 8.70 28.70	37.40	F0.18 37.22	
4+6993	01' BK	C 3.25 41.55	38.30	C0.22 38.52			F 6.60 30.90	37.50	F0.35 37.15	

Pave'z'st = 38^{RT} To 39^{RT}

LT = Nly -

WO # 32276 - DNG # 2649D -

FB # 2345-13 -

RT = Sly -

Station	LT GUT	Rough Grade	Topcb Grade	Curb Stake	LT 1/4	♀ Grade	RT 1/4	Rough Grade	Topcb Grade	Curb Stake	Sly GUT
2+90		C6.31 36.31	30.00	C0.05 30.05				F4.81 24.46	29.21 29.18	C0.30 29.51	
2+55		C9.29 40.23	30.94	F0.06 30.88				F5.32 24.83	30.15 30.12	C0.19 30.34	
2+20		C12.26 44.14	31.88	F0.17 31.71				F5.90 25.19	31.09 31.06	C0.25 31.34	
1+85		C11.96 44.77	32.81	C0.06 32.87				F5.71 26.31	32.02 32.00	C0.14 32.16	
1+50		C11.43 45.18	33.75	F0.03 33.72				F5.94 27.02	32.96 32.94	C0.17 33.13	
1+15		C10.22 44.91	34.69	C0.01 34.70				F5.41 28.48	33.89 33.88	C0.29 34.18	
0+80		C8.41 44.03	35.62	F0.01 35.61				F4.37 30.46	34.83	C0.27 35.10	
0+45		C7.38 43.94	36.56	C0.08 36.64				F1.36 34.40	35.76	C0.26 36.02	
(35')											
C.B.A.C. 0+10 =			37.50	F0.04 37.46					36.70	F0.35 36.35	
ELY RL. 38 ^{RT} 0+00 =			37.95						36.50		

Pave 'Z' ST 38th to 39th cont
 LT = ~~5~~ Nky

RT = Sly -

45
 115

15

Station	LT GUT	Rough Grade	Topch Grade	Curb Stake	Nky 1/4	ℓ	Rough Grade	Topch Grade	Curb Stake	Sly GUT
1+20 W RT+LT			RT 33.76	LT 34.26			5+20 W RT	22.93		
0+70 = W RT			35.10				4+70 = W RT	24.40		
0+20 = W RT			36.43				4+20 W LT	LT 26.54	5+70 = W RT	21.59
SL #3 (0+30)	(42.67)	C99 ⁷	32.7 = IE Prop				3+20 = W LT	LT 29.21		
SL #2 (1+30)	(43.84)	C139 ⁴	29.9 = IE Prop				2+70 W LT	LT 30.55		
SL #1 (1+80)	(43.14)	C147 ⁴	28.4 = IE Prop				1+70 = W RT+LT	RT 32.42	LT 33.22	

Water + Sewer

Services

Wky RL 39 th	F0.26		C0.35			F1.33		C0.79		
5+99 ²⁵ =	21.60	21.86	22.21			19.40	20.73	21.52		
Cb BC			C0.46					C0.23		
5+89 ⁷⁰		22.00	22.46				21.20	21.43		
5+70	C0.45 22.93	22.48	C0.51 22.99			C0.06 21.79	21.73 21.66	C1.91 22.74		
5+35	C3.62 27.04	23.42	C0.50 23.92			F0.19 22.47	22.66 22.60	C0.89 23.55		
5+00	C3.16 27.52	24.36	C0.42 24.78			F0.85 22.75	23.69 23.64	C0.53 24.13		
4+65	C2.90 28.20	25.30	C0.20 25.50			F2.80 21.73	24.53 24.48	C0.42 24.95		
4+30	C4.34 30.58	26.24	C0.22 26.46			F3.36 22.11	25.47 25.42	C0.32 25.79		
3+95	C6.35 33.53	27.18	F0.01 27.17			F3.18 23.23	26.41 26.36	C0.34 26.75		
3+60	C4.76 32.88	28.12	F0.16 27.96			F3.97 23.37	27.34 27.30	C0.35 27.69		
3+25	C4.74 33.80	29.06	C0.05 29.11			F4.56 23.72	28.28 28.24	C0.45 28.75		

Pave Alley Block 8, Ocean Beach Park - Woff #32398 - 11/16/55 16
 DWG H 877-L FB 1778-20

Station	LT=NEly of Alley	Stake NELY-	RT=Swly of Alley	swly Stake	Station	LT=NEly of Alley	NEly Stake	RT=Swly of Alley	Swly Stake
2+84	1' back	C0.25 21.84		C0.39 21.70	21.09	sunset cliffs + Nly line 6'00 23			
2+52	1' back	C0.41 21.32		C0.44 21.20	21.64	5+78	C0.50 25.198	25.84	C0.80 6.38
2+20	1' back	C0.30 20.80		C0.36 20.70	21.06	5+86	C0.40 25.74	25.88	C0.39 5.70
1+88		C0.47 20.28		C0.42 20.20	20.62	5+34	C0.20 25.48	25.31	C0.23 5.28
1+52	5+102 in Nail 002 in Alley	F0.65 C0.88 19.76		C0.31 19.70	20.01	5+12	0045bk 24.96	C0.32 24.78	C0.53 25.31
1+24	F0.13 1' back 19.24 19.11	F0.4 C0.08 19.36		C0.32 19.20	9.52	4+90	Nail 002 BK 24.70	C0.55 24.52	C0.02 24.54
0+92		F0.04 18.72		C0.14 18.70	18.84	4+68	Nail 006 BK 24.44	C0.55 24.26	F0.16 24.10
0+60	Nail 002	C-1.35 18.20		C0.05 18.20	18.26	4+46	24.18	F0.05 4.13	C0.09 4.08
0+30		C0.59 17.43		F0.13 17.43	17.30	4+24	23.92	4.13	23.99
0+00	sky cables 0'00	16.67		16.66		4+02	23.66	C0.24 3.90	C0.16 3.62
						3+80	23.40	C0.55 3.99	C0.05 3.25
						3+48	22.88	C1.02 3.90	C0.23 2.93
						3+16	22.36	C0.14 2.50	C0.13 2.33

Pave Alley Block G, Ocean Beach -
 G. Allen, D. Sisson, E. Powell - DWG 12096-L
 LT = SWly RT = NELy

Wot# 32476 - 11/28/55 -
 F13 1810 + 2262
 LT = SWly

Station	LT Edge Alley	LT Stake	RT Edge Alley	RT Stake	Station	LT Edge Alley	LT Stake	RT Edge Alley	RT Stake
2+20	188.21	F0.23 87.98	187.91	C0.24 88.15	BVC 4+80	170.44	F0.70 74.61	170.14	C0.76 70.90
2+00	02'bk 189.32	C0.08 89.40	B 2'back 189.02	C0.70 89.95	4+40 = SL#3 RT		168.37		C5.74 87.65
1+80	01'bk 190.37	F0.48 89.30 90.64	B 1'back 190.07	C0.85 90.92					EVC. 4+40
1+60 = BVC	191.34	C0.39 91.73	B 1'back 191.04	C0.59 91.63	4+20	178.53	C0.63 76.16	175.23	C1.95 77.18 F0.08
1+26.66	B 1'back 192.92 193.09	C0.63 93.55	B 1'back 192.62	F0.39 92.96	4+00	B 1'back 177.05	C0.43 77.48	B 2'back 176.75	C2.39 79.14 C2.54
0+93.33	B 1'back 194.50 194.84	C0.18 94.68	194.20	F0.23 93.97	3+80	B 1'back 178.45	F0.36 78.09	Nail 0.23 back 178.15	C2.17 80.32
0+60 = EVC	B 1'back 196.08	C0.13 96.21	195.78	F0.11 95.67	BVC 3+60	179.63	F0.72 78.91	Nail 0.00 Back 179.33	C2.58 181.91
0+40	B 1'bk 196.82	C0.04 96.86	B 1'back 196.51	C0.24 96.75	3+20	180.11 182.10	F0.61 81.49	181.80	C0.86 82.66
0+20	X 2'bk 197.14	C0.79 97.93	1.5 Back 196.79	{C0.35 (15)} 96.92	3+00 - 4NH - F0.61 = 82.786		184.57	184.27	C0.60 C0.55 84.82 84.87
w/ly line 0+00 = G120T ST	197.06		196.63		EVC 2+00	187.03	F0.24 86.79	B 1'back 186.73	C0.27 87.00

Pave Alley BIK 610.B. cont

LT = SWly - RT = NELY
 LT edge RT RT edge RT
 Alley Stake Alley Stake

Station

5+90 = SL #1 RT 149.60

P.L. Froude 6+00 = Fly	152.85 0.5' back C 6.37	(C700)E 63.18	152.55 0.5' back C 4.58	(C840)I C 7.85
5+80	156.81	C 3.77	156.65 0.1' back C 5.63	64.50 C 5.76
5+60	160.34	64.11	160.13	F 0.46
5+40	F 0.63 163.47	F 0.03 C 2.22 65.69	163.23	C 3.86 67.09
5+20	0.1' back 166.21	C 2.88 69.09	165.93	C 0.31 C 2.39 68.32
5+00	0.1' back 168.52	C 2.00 C 1.83 70.35	168.23	F 0.41 C 1.38 69.61 F 0.41

already in -
 4+90 = SL #2 RT Omitted

120' of 30" R.C.P. - Drain 18
 N19 of EPSILON on ST + wly
 of 43rd 11-28-55 - W10 # 21233
 DWG 5894-B FR 2129-

Station IE Drain elev of stake cut or fill

BM = F.L. exist 30"
 RCP at 0+00 - 39.28

1+20	41.32	43.83	C 2.51
0+90	40.81	41.55	C 0.74
0+60	40.30	40.50	C 0.20
0+30	39.79	40.27	C 0.48
0+00 = N19 end of exist	39.28	Meet	

Pave SARANAC ST - 67th to 68th
 FB 2132 + 2012 -

WO# 32509 - 12/3/55 - DWG# 2880-D - 19

Station	LT GUT	LT = Nly -		Curb Stake	Nly 1/4	1/2 Grade	3/4 1/4	RT = Sly -			
		Rough Grade	Top Cb Grade					Rough Grade	Top Curb Grade	Curb Stake	Sly GUT
1+50 ⁷⁴		C-1.18 50.42	449.24	C0.19 49.43				C0.54 50.27	449.73	C0.13 49.86	
1+30 ⁷⁴		C0.40 49.45	449.05	C0.10 49.15				C0.62 50.11	449.49	C0.27 49.76	
1+10 ⁷⁴		C0.60 49.34	448.74	C0.06 48.80				C0.17 49.30	449.13	C0.08 49.21	
5 = P.W.C. 0+90 ⁷⁴		C0.61 48.92	448.31	C0.09 48.40				C0.23 48.89	448.66	C0.06 48.72	
P.L. 67 0+55 ³⁷		C-1.10 48.55	447.45	C0.25 47.70				C0.17 47.90	447.73	F0.03 47.70	
67 0+20 Cb, O.C. LT		C-1.10 47.70	446.60					C0.45 47.25	446.80	F0.21 46.59	
5 0+13 =		C-1.22 47.65	446.43	C0.30 46.73							
5											
Nly - P.L. 67 to 5 0+00 = FLY									446.50	F0.04 46.46	
66 B.C.T. 5 0-24 ²⁶								C0.35 46.75	446.40	F0.39 46.01	
5 67 to Sly ELY P.L. 0-34 ²⁶									446.17		

Pave Saranac cont

LT = Nly

RT = Sly

Station	LT GUT	Rough Grade	Top Cb grade	Curb Stake	Nly 1/4	Grade	Rough Grade	Top Cb Grade	Curb Stake	Sly GUTTER
P.V.C. 4+00.74		F0.05 44.97		C0.03 45.05			C 1.46 47.23		C0.41 46.18	
3+70.74		C0.08 45.79		F0.03 45.68			C-1.05 47.51		F0.04 46.42	
3+40.74		F0.22 46.18		F0.11 46.29			C 0.91 48.06		C0.35 47.50	
3+10.74		F0.09 47.00		F0.16 46.93			C 1.18 49.02		C0.24 48.08	
2+80.74		^{NOIL STAKE} F0.26 41.52		F0.08 47.70			C-1.17 49.70		C0.37 48.90	
5 Parts of 30'										
E.V.C. 2+50.74		C0.19 48.66		C0.27 48.74			C-1.64 50.86		C0.42 49.64	
2+30.74		C0.58 49.44		C0.36 49.16			C 1.86 51.41		C0.45 50.00	
2+10.74		C0.39 50.52		C0.73 49.86			C-1.44 51.20		C0.52 50.28	
1+90.74		C 1.31 50.59		C0.26 49.54			C 1.10 50.96		C0.45 50.31	
1+70.74		C-1.49 50.81		C0.32 49.64			C-1.08 50.93		C0.06 49.91	

Pave Saranac cont
LT = Nly

RT = Sly

21

Station	Nly GOT	Rough Grade	Top of Grade	Curb Stake	Nly 1/4	Grade	Sly 1/4	Rough Grade	Top of Grade	Curb Stake	Sly GOT
TO Nly Wly PL-685 5+58.63			442.06						442.90		
CB BC RT 5+45.70 =		C0.13 42.39	442.26	C0.28 42.54							
E.V.C. 74 5+40		C0.12 42.45	442.33	C0.21 42.54			C1.45 444.45	443.00		F0.09 42.91	
5+20.74		F0.02 42.41	442.43	C0.12 42.55			C1.37 44.55	443.18		F0.07 43.11	
B.V.C. 5+00.74		F0.38 42.34	442.72	C0.18 42.90			STUB ON PL C0.64 44.11	443.47		F0.03 43.44	
4+80.74		F0.77 42.41	443.18	F0.20 42.98			STUB ON PL C0.49 44.42	443.93		F0.27 43.66	
4+60.74		F1.09 42.56	443.64	F0.38 43.26			C-1.62 46.01	444.39		F0.19 44.20	
4+40.74		F1.05 43.05	444.10	F0.12 43.98			C1.70 46.55	444.85		C0.19 45.04	
4+20.74		OF.38 44.18	444.56	Grade 44.56			C-1.65 46.96	445.31		C0.30 45.61	

Sewer + Water Laterals in
Water Grades are Top of curb

Saranac St - 67th to 68th 22
Sewer Grades are IE at Property

Station

IE Grade or
Top Cb

CUT or
Fill

SL#1 Omitted per prop owner Request

2+62²⁰

442.00 - 448.47 - C647

SL#2 ON LT (w/ly)

2+17²⁰

443.00 - 450.12 C712

SL#3 ON LT (w/ly)

1+79⁶⁵

449.85 - 50.97 C0.57 T.C.

Water RT (w/ly)

1+69⁶⁵

^{50.65}
444.70 - 450.65 - C595

SL#6 RT (w/ly)

1+64⁵

443.30 - 450.3 C700

SL#4 ON LT (w/ly)

1+49⁵

449.23 - 49.72 C0.49

Water hat ON LT (w/ly)

0+54⁵

442.60 - 48.51 C5.91

SL#5 ON LT (w/ly)

Sewer Main in 17th ST - NLY
 PWg- 2880 + 2891-D-

OF SARANAC - W 4th 32509. 12/3/55

23

Station	IE	Stake	CUT
2+25	439.50	47.66	C816
2+00	439.40	47.41	C801
1+75	439.30	46.91	C761
1+50	439.20	46.40	C720
1+25	439.10	46.11	C701
1+00	439.00	45.68	C668
0+75	438.90	45.50	C660
0+50	438.80	45.84	C704
0+25	438.70	45.95	C725
MH 67 th Saranac 0+00 = EXIST.	438.60	45.88	C728

This alignment changed to MH
 51- SEE PAGE 51-

Station	IE Elev.	Stake	CUT
Plug - 5+40	440.83	47.62	C679
5+25	440.73	47.91	C718
5+00	440.63	48.08	C745
4+75	440.52	48.26	C774
4+50	440.42	48.45	C803
4+25	440.31	48.43	C812
4+00	440.21	48.55	C834
3+75	440.10	48.68	C-858
2 MH #2 3+50	440.00	48.52	C856
3+25	439.90	4	under water
3+00	439.80	48.38	C858
2+75	439.70	48.09	C839
2+50	439.60	48.03	C843

} see pages 1

Sewer in 67th St of Richard St
 Dwg 2880 + 28810 -

Station	IF	Stake	COT	Station	IF	Stake	COT
2+32 = 2 MH #1	436.96	44.43	C747				
2+00	436.80	44.39	C759				
1+75	436.67	44.29	C762				
1+50	436.55	44.18	C763				
1+25	436.42	44.12	C770				
1+00	436.30	44.05	C775	Plug - 3+87 ⁰⁰ =	439.00	46.64	C-764
0+75	436.17	44.08	C791	3+50	438.52	45.91	C742
0+50	436.05	43.97	C792	3+25	438.19	45.40	C721
0+25	435.92	43.43	C751	3+00	437.86	45.00	C714
Pt. Unit #2 P.L. Dennis Fed T				2+75	437.53	44.75	C722
0+00 = 5 Ly	435.80	42.53	C6.73	2+50	437.20	44.50	C730

Pave 67th ST - Saranac Nly to The
 WVO # 32509-12-3-55 - DWG 2881-D -
 LT = Wly -

City P.L. Dennstedt, Point Unit 2
 - FB 2012/2132

25

RT = City -

Station	Nly 90T	Rough Grade	Topcb Grade	Curb Stakes	Nly 1/4	City Grade	City 1/4	Rough Grade	Topcb Grade	Curb Stake	City 60T
RT 1+46.13		8' back C0.30 46.45	446.15					C1.61 48.34	446.73	C1.51 48.24	
RT 1+22.13		C0.36 46.16	445.80					C0.78 48.23	446.45	C1.63 48.08	
0+98.13											
RT 1+00		C0.49 45.97	445.48					C2.71 48.91	446.20	C1.58 47.78	
BC LT 0+60.69			45.15								
LT RT 0+74.13 = BC		C0.78 45.88	445.10						446.06 (C1.70) Wly	C1.64 47.70	
0+69.3								C1.95 47.99	446.04		
0+64.13 (29.98)		C0.49 45.64	445.15					C1.88 47.89	446.01	C1.54 47.55	
LT 0+34.15 = Cb AC	44.80		445.30	C0.84 46.14			NAIL ON PILE C2.48 48.33		445.85	C1.63 47.48	
Cross gutter 0+24.33 = G.	44.85		445.35						445.80	C1.56 47.36	45.30
RT 0+08 = Cb AC									445.94	C1.45 7.39	45.44
Saranac to Ely 0+00 = Nly PL.								C0.94 46.94	446.00		45.55

Pave 67th Cont
LT = wly

7+02±

RT = eLy -
443.92

27

Station	wly Cut	Rough Grade	Top Cb. Grade	Curb Stake	wly 114	d Grade	Ely 114	Rough Grade	Curb Grade	Curb Stake	Ely Cut
7+00		Co. 41 44.83	444.42	Co. 57 44.99				F0.21 43.73	443.94	F0.35 3.59	
6+80		Co. 11 44.72	444.61	Co. 04 44.65				F0.30 43.84	- 444.14	F0.32 43.82	
6+60		F0.07 44.78	444.85	F0.06 44.79				Co. 18 44.60	444.42	Co. 16 44.58	
6+40 = BVC		3' back F0.02 45.12	445.14	F0.05 45.09				F0.17 44.61	444.78	F0.13 44.65	
6+10		Co. 45 46.08	445.63	Co. 43 46.06				F0.23 45.14	445.31	Co. 03 45.40	
5+80		C1.92 48.03	446.11	C1.93 48.04				Co. 47 46.43	2' bk 445.96	Co. 28 46.24	
5+50		C1.16 47.75	446.59	Co. 92 47.51				Co. 26 46.81	2' bk 446.55	Co. 20 46.75	
5+20		3' back Co. 76 47.83	447.07	Co. 89 47.96				Co. 26 47.40	2' bk 447.14	Co. 20 47.34	
4+90		Co. 87 48.42	447.55	Co. 83 48.38				Co. 82 48.55	2' bk 447.73	Co. 79 48.52	
6 parts of 30' each											
4+60 = EVC		Co. 84 48.97	448.13	C1.03 49.16				Co. 37 48.69	2' bk 448.32	Co. 29 48.61	
4+40		Co. 07 48.51	448.44	Co. 17 48.61				Co. 28 48.94	2' bk 448.66	Co. 30 48.96	
4+20		F0.01 48.65	448.66	F0.14 48.52				Co. 40 49.30	2' bk (90) 448.90	Co. 36 49.26	

Pave 67th cont.

Lt = wly.

RT = ehy.

28

Station	LT Cut	Rough Grade	Top cb Grade	Curve Stake	LT 1/4	RT 1/4	Rough Grade	Top cb Grade	Curve Stake	ely 1/4
9+67 ⁰ = EC			442.80							
			Mid point 42.90	C1.13 44.03						
9+65 ⁵ = EC								442.36		
Mid Point			42.90					42.42	C0.38 42.80	
9+60 = PRC.			443.00 442.93	C1.24 44.24				442.48	C0.09 42.57	
{ 9+46.37 RT+LT			Mid Point 443.07	C0.11 43.18				42.53	42.44 Mid Point	F0.09
{ 9+50 = PRC			443.15	C0.21 43.36				442.58	F0.03 42.55	
9+40	C1.08 44.38		443.23	F0.17 43.06	42.90		C1.00 43.65	442.65	C0.18 42.83	
9+20	C0.58 43.98		443.40	F0.75 42.65	43.06		C1.42 44.22	442.80	C1.26 4.06	
8+95	C0.62 44.13		443.57	C0.69 44.20			C1.33 44.25	442.92	C1.15 4.07	
8+70	C0.69 44.31		443.62	C0.48 44.10			C0.55 43.60	443.05	C0.58 3.63	
8+45	C0.64 44.38		443.74	C0.14 43.88			C0.48 43.65	443.17	C0.70 3.87	
8+20	C0.22 44.07		443.85	C0.33 44.18			C0.25 43.55	443.30	C0.56 3.86	
7+95	C0.28 44.24		443.96	C0.27 44.23			C0.93 44.35	443.42	C0.80 4.22	
7+70	C0.09 44.16		444.07	C0.13 44.20			C0.82 44.37	443.55	C0.78 3.55	
Use for 4545	F0.39			F0.47			C0.49		FLK C0.45	
7+45	43.80		444.19	43.72			44.16	443.67	4.12	
.45% on 8 parts or 25'										
7+20 = EVC	C0.47 44.77		444.30	C0.16 44.46	44.00		C0.68 44.48	443.80	C0.46 4.26	

Sewer + Water Laterals
 Sewer staked in Prop + Grades
 Top cb Grade and staked on

Pool on 67th - Saranac to Richard 29
 are in VERT - Water Laterals are
 comb line -

Sta.	Station	IE or Top cb	Stake	Cut	Station	IE or Top curb	Stake	Cut -
	(20) 3+52 ¹³ #30 LT	441.1	48.67	751 678	(20) 5+86 ¹³ #13 RT	439.8	46.40	C660
9.	(18) 3+37 ¹³ W LT	448.37	48.82	C045	(20) 5+84 ¹⁵ #26 LT	439.8	47.20	C740
9+	(20) M12+47 ¹³ #31 LT	442.1	48.47	C637	(20) 33 # 5+03 27 LT	442.3	48.05	C575
9+	(25) 92+37 ³ #9 RT	442.8	48.80	C600	(20) 4+90 ³ #12 RT	441.7	48.66	C696
9.	92+20.13 (W) LT	447.08	48.05	C097	(20) 4+58 ³³ #28 LT	442.8	48.72	C592
9.	(25) 81+91.3 #8 RT	442.2	48.75	C655	(20) 4+22 ³ #11 RT	442.8	49.20	C640
8.	(25) 8-1+60 #32 LT	440.1	47.18	C708	(20) 4+12 ¹³ #29 LT	443.5	48.68	C518
8	(25) 7-0+94 ³ #7 RT	441.1 444.1	47.69	C359	(18) 4+07 ¹³ W LT	448.57	48.81	C024
7.	US 22' top cb 7-0+50 (W) LT	445.22	45.56	C034	(18) 4+02 ³ (W) RT	449.03	48.76	F027
8 p.	Saranac to Ely 7+0+00 = Nky P.L.				(25) 3+74 ³ #10 RT	442.0	49.01	C701

SEWERWATER Laterals - ON 67th
Between Saranac & Richard Court

Station	IE or Top curb	Stake	Cut or Fill
8+52 ⁴ #18 RT (25')	437.2	43.65	C6 45
8+12 ⁴⁵ #23 LT (25')	438.9	44.19	C5 29
7+99 ⁴ #17 RT (25')	437.4	44.35	C6 95
7+48 ⁴ #16 RT (25')	437.7	44.11	C6 41
7+30 ⁴⁵ #24 LT (20')	437.9	43.91	C6 01
7+15 ⁴⁵ #14 LT (18')	444.33	F0 18 44.15	
6+99 ⁴ #15 RT (20')	438.1	43.79	C5 69
6+55 ² #14 RT (18')	444.69	44.67	F0 02
6+50 ⁴⁵ #25 LT (20')	440.0	C4 44.90	C4 90
6+26 ² #14 RT (20')	439.1	45.14	C6 04

Laterals cont

30

Station	IE or T.C. Grade	Stake	Cut or Fill
9+65 #20 LT (25')	437.8	42.94	C5 14
9+12 ³ #21 LT (25')	438.2	44.47	C6 27
8+72 ⁴ #19 RT (25')	437.1	43.52	C6 42
8+65 #22 LT (25')	438.6	44.25	C5 65

new hub
 40' 00" → 40' 00" → 98' →
 3/4" pipe to dink
 RE 4195
 2" pipe to dink
 at Nully cur 67th
 Saranac

Change in sewer line - From axis.
 MH & Saranac ~~to~~ Nly to MH
 #2 - DWG 2881-D -
 See page 23

Station	IE	Stake	CUT	Station	IE Grade	Stake	CUT
1+50	439.20	46.81	C761				
1+25	439.10	46.38	C728				
1+00	439.00	C6.84 45.84	C684	2 MH #2 3+50	440.00	448.52	C852
0+75	438.90	45.83	C693	3+25	439.90	448.34	C844
0+50	438.80	45.92	C712	3+00	439.80	48.41	C861
0+39.20 = E.C.	438.76	46.01	C725	2+75	439.70	48.25	C855
14°02'							
0+30	438.72	46.12	C740	2+50	439.60	48.00	C840
9°44.4							
0+20	438.68	46.21	C753	2+25	439.50	47.82	C832
6°09.6							
0+10	438.64	46.15	C751	2+00	439.40	47.70	C830
3°34.8							
MH-673 + Saranac 0+00 = 2 EXIST	438.60	45.88	C728	1+75	439.30	47.16	C-786

T=20'
 R=80'
 Δ=14'02"

Stake curb - Slyot Wunderlin
 Ave + Nly of 60th St (encanto)
 12/12/55 - DWG #12267-L.

Station	Top curb Grade	Stake	Fill Course
8.64029 %			
1+53 ⁹³	256.63	57.86	C123
1+25	259.13 259.18	C0.10 59.23	C010
1+00	261.29 261.33	F0.29 61.00	F029
0+75	263.45 263.48	F0.23 63.22	F023
0+50	265.61 265.63	65.17	F044
0+25	267.77 267.78	67.36	F041
Kozy Hts 0+00 = Nly sub line	269.93	69.93	Grade

Storm Drain - IN Reed Ave
 Between N. yest + olney - W0# 21394
 12-13-55 DWG 12636-L

BM = SW BP Reed + Mokreth 33
 elev = 26.99
 TBM = 13.12 PK Nain & Reed + 2275 by & Co. -

Station	IE drain	elav of stake	CUT	Remarks	Station	IE Drain	Stake	CUT	
0+20	9.34	13.52	C-4.18		2+50	T.P. 7.09	17.14	C10.05	
0+25	9.67	13.65	C-3.98		2+75	7.24	16.05	C8.81	
0+06	9.92	13.78	C-3.86		2+00	7.39	14.98	C-7.59	
Type Co. 0+00 = & Special	10.00	13.20	C-3.20		1+75	7.54	14.13	C-6.59	
Short line to connect 2-12" Pipes to Mainline					1+49	7.70	13.44	C5.74	
Special Type Co. 0+3725 = &	10.50	13.68	C 3.18		1+41	8.45	13.44	C4.99	
0+12	12.73	15.49	C2.76		1+25	8.56	13.19	C4.63	
0+08	13.08	15.98	C-2.90		1+00	8.76	13.36	C-4.60	
0+04	13.32	16.42	C3.10		& Type K 0+88	8.85	13.33	C4.48	2 Type K INLET
0+00	13.45	16.59	C-3.14		0+75	9.01	13.39	C4.38	

Station	I/E Drain	Stake	CUT
5+00	5.59	19.75	C14.16
+75	5.74	20.21	14.47
+50	5.89	20.47	14.58
+25	6.04	20.59	14.55
4+00	6.19	20.52	14.33
+75	6.34	20.36	14.02
+50	6.49	20.06	C13.57
+25	6.64	19.62	C12.98
3+00	6.79	18.98	C12.19
2+75	6.94	18.13	C11.19

Station	I/E Drain	Stake	CUT
7+06±	4.35	14.27	C9.92
7+00	4.39	14.54	C10.15
+75	4.54	15.75	11.21
+75			
+50	4.69	16.43	11.74
+25	4.84	17.05	C12.21
6+00	4.99	17.71	C12.72
+75	5.14	18.25	C13.11
+50	5.29	18.79	13.50
5+25	5.44	19.30	13.86

Meet exist
60" RCP in
6/17/24 JT

Prvc Wonderlin Ave - 65' to 400'

Dwg 2017-2-F13 2264-

LT = Nly -

ELY - W/O # 32208 - 1-3-86 - 35

BM - LAST 65' to Wonderlin

Elev = 286.90

RT = Sly -

Station	LT GUTTER	Rough Grade	Topcb Grade	Curb Stake	Nly 114	Grade	Sly 44	Rough Grade	Topcb Grade	Curb Stake	Sly 907
EVC 1+90		3 rd back C3.91 88.75	284.84	F0.12 4.72				F2.94 81.40	284.34	F0.29 4.05	
1+70 1+80		3 rd back C3.82 88.82	285.00	F0.05 4.95				F3.14 81.35	284.49	F0.16 4.33	
1+50 1+50		3 rd back C3.80 89.01	285.21	F0.05 5.16				F3.19 81.51	284.70	F0.09 4.61	
1+30		3 rd back C4.04 89.54	285.50	F0.10 5.40				F2.82 82.14	284.96	COLL 5.07	
BVC 1+10		3 rd back C4.52 90.37	285.85	C0.03 5.88				F2.41 82.87	285.28	C0.35 5.63	
0+75		PK 5 th back C3.45 89.97	286.52	Gracc 6.52				F1.61 84.33	285.94	F0.11 5.83	
EVC 0+40		5 th back pl C2.63 89.83	287.20	C0.08 7.28				1 st back F1.12 85.43	286.60	F0.40 6.20	
0+20		5 th back C2.60 90.20	287.60	C0.06 7.66				F0.60 5.90	286.50	C0.24 6.74	
CB BC 0+10 =			287.82	C0.15 8.97					286.30	C0.12 6.42	
ELY 65' to 0+00		C2.42 90.60	288.18					C0.64 286.64	286.00		

Station	LT got	Rough Grade	Topcb Grade	Curb Stake	LT 1/4	Grade	RT 1/4	Rough Grade	Topcb Grade	Curb Stake	Wly got
				Cont Page 39							
BC RT 2+61 ⁷⁵ = CW								C1.92 53.63	251.71	F0.11 51.60	
LT 2+61 ⁶⁵ = CLBC		F1.00 249.23	250.23	F0.47 49.76							
2+57 ⁹⁰ = PLBC			249.79	F0.45 49.34					251.29	F0.02 51.27	
2+32 ³⁵		F1.51 45.38	246.89	F0.33 46.52				C1.54 49.93	248.39	F0.75 47.64	
W RT 2+1389									246.29	C0.43	
2+07 = FVC SL RT 2+03.19		1" back F0.76 43.24	244.00	C0.11 44.11				C3.00 48.50	245.50	F0.37 45.13	
1+97			243.00	C0.33 43.33				C5.25	240.5	F0.08 44.42	
1+87		1" back F0.64 41.56	242.20	C0.37 42.57				C4.63 48.33	243.70	C0.15 43.85	
1+77			241.60	C0.49 42.09					243.10	C0.19 F0.08 43.29	
1+67 = BVC		F1.77 39.43	241.20	C0.38 41.58				C4.92 47.62	242.70	C0.21 42.91	
OF Wal 1+40 ²⁷ = Wly	F3.07 41.04	F2.52 37.97	240.40	C0.36 40.76				C2.78 44.68	241.90	C0.16 42.06	

Pave Brooklyn - Iona Dr to
LT = 514 -

Merlin Dr -
D.V. 11971-L -

39

Station	LT 90T	Rough Grade	Topog Grade	Curve Stake	RT 1/4	RT grade	Rough Grade	Topog grade	Curve Stake	RT 90T
1+74 ⁶⁸		F0.64 58.31	258.95	C0.10 59.05			C3.02 263.47	260.45	C0.05 60.50	
1+54 ⁶⁸		F0.94 58.16	259.10	C0.05 59.15			C2.77 63.37	260.60	C0.12 260.72	
1+34 ⁶⁸		F1.33 57.70	259.03 259.74	F0.10 58.93			C2.29 62.82	260.53	C0.02 60.55	
1+14 ⁶⁸		F1.23 57.52	258.74 259.45	F0.02 58.72			C2.29 62.53	260.24	C0.05 60.29	
0+94 ⁶⁸		F0.45 57.78	258.23 258.94	C0.17 58.40			C2.78 62.51	259.73	C0.31 60.04	
0+74 ⁶⁸		F0.68 56.83	257.51 258.22	C0.13 57.64			C2.99 62.00	259.01	F0.09 58.92	
0+54 ⁶⁸		F0.66 55.90	256.56 257.27	C0.15 56.71			C3.11 61.17	258.06	C0.01 58.07	
B.V.C. 0+34 ⁶⁸		F0.08 55.31	255.39	C0.43 55.82			C3.78 60.67	256.89	C0.09 56.98	
B.C. 0+13 = Cb		F0.05 53.93	253.98	C0.41 54.39			C4.58 260.09	255.53	C0.19 55.72	
Iona Dr 0+00 =ully		F0.04 53.24	253.28				C4.60 59.60	255.00 256.12		

Brooklyn - 10nd to Merkin
LT = 514

cont

RT = 114

40

Station	LT 90T	Rough Grade	Curb Grade	Curb Stake	LT 114	± grade	Rough Grade	Top Cb. Grade	Curb Stake	90T grade
LT ONLY 3+6306		F0.60 253.31	253.91	C 006 53.97						
LT ONLY 3+3981			254.82	F0.05 54.77						
RT ONLY 3+2968							01.95 58.64	256.69	F0.46 56.23	
LT ONLY - 3+1658 REC		1' back F0.39 54.33	255.72	F0.23 55.49						
RT ONLY 3+0968							X 01.84 59.24	357.40	F0.21 57.19	
BC LT ONLY 3+0432 ch	255.53	1' back F0.02 55.85	256.03	F0.01 56.02						
RT ONLY 2+8968							03.54 61.47	257.93	F0.09 57.84	
RT ONLY 2+6468								258.46	C0.44 58.90	
59th LT ONLY 2+4632 ch BC		F0.81 56.44	257.25	F0.20 57.05						
2+3968			257.50	Grade 57.50			C 2.56 61.56	259.00	C0.30 59.30	
Exc 1+9468		F0.80 57.78	258.58	C0.14 258.72			C 2.62 62.70	260.08	C0.02 60.10	

Pave Iona Drive - Kenwood to
 BM: 247 & IONADR
 4 Slighting Kenwood
 EL = 194.14

LT = Wly -

BROOKLYN - WOOD 32411-1-4-56
 DWG - 11972-L - PB 1636 & 2345

42

RT = Ely

	LT	Rough	Top cb	Curb	LT	RT	Rough	Top cb	Curb	RT
	90T	Grade	Grade	Stake	1/4	1/4	Grade	Grade	Stake	Cut
3+00 = BVC		2' back C1.05 21.25	220.23	F0.27 19.96			C0.08 219.81	219.73	F0.02 19.71	
2+70		C1.1 19.0	217.89	F0.19 17.70			C0.18 17.54	217.36	C0.03 17.39	
2+30		C1.07 15.78	214.71	F0.09 14.62			F0.37 213.79	214.16	C0.17 14.33	
1+90		C2.20 213.74	211.54	C0.09 11.63			F0.10 10.88	210.98	C0.62 11.60	
1+50		C2.62 210.98	208.36	C0.48 08.84			C0.59 208.39	207.80	C0.64 08.44	
1+10		C3.79 8.97	205.18	C0.19 05.37			203.90 F0.72	204.62	C0.07 04.69	
0+70		C2.20 204.20	202.00	F0.13 201.87			F0.6 200.8	201.44	C0.23 201.67	
BVC RT 0+30 = CB		C0.22 99.05	198.83	F0.30 8.53			F2.55 95.71	198.26	F0.05 8.21	
Grade Bk 0+17 - RT only								197.23		
RT 0+16 = cb BVC							F1.69 95.47	197.16	F0.03 7.13	
Kenwood 0+00 = Nly P.L.			196.70							

Station	LT 9UT	Rough Grade	Top cb Grade	Curb Stake	LT 14
---------	-----------	----------------	-----------------	------------	----------

2

RT 14	Rough Grade	Top cb grade	Curb stake	RT 9UT
----------	----------------	-----------------	---------------	-----------

Void Sew
Pipe

44

Pave Iona Dr - Kenwood
 LT = wily -

To Brooklyn Cent

RT = eily.

44

Station	LT 90°	Rough Grade	Top of Grade	Curb Stake	LT 1/4	±	RT 1/4	Rough Grade	Top of Grade	Curb Stake	RT 90°
5+40		C 1.35 44.62	243.27	C 0.01 43.28				F 1.30 41.47	242.77	C 0.03 42.80	
5+20		C 1.27 42.66	241.39	F 0.08 41.31				F 0.68 40.21	240.89	C 0.36 41.25	
5+00 = BVC		C 1.89 41.28	239.39	F 0.06 39.33				F 1.10 37.79	238.89	C 0.13 39.02	
4+60		C 1.46 36.74	235.28	C 0.18 35.46				F 0.35 34.43	234.78	C 0.03 34.81	
4+20 = EVC		C 2.27 33.44	231.17	C 0.24 31.41				F 1.15 29.52	230.67	C 0.01 30.68	
4+00		C 1.89 31.04	229.15	C 0.04 29.19				F 1.51 27.14	228.65	F 0.09 28.52	
3+80		C 1.7 28.9	227.22	C 0.21 27.43				F 1.33 25.39	226.72	26.72 Grade	
3+60		C 1.24 26.59	225.35	C 0.03 25.38				F 0.78 24.07	224.85	F 0.03 24.82	
3+40		C 0.98 24.54	223.56	C 0.11 23.67				F 0.84 22.22	223.06	Grade 23.06	
3+20		C 1.51 23.37	221.86	Grade 21.86				F 0.34 21.02	221.36	F 0.03 21.33	

Pave Iona Dr - Kenwood
LT = wily -

To Brooklyn Cont
RT = aly.

45

Station	LT 90T	Rough grade	Top cb. Grade	curb stake	LT 1/4	L	RT 114	Rough Grade	Top cb grade	curb stake	RT 90T
BC.5 6+39.8 = Ch		C171 53.24	251.53					12' 5" wood F1.35 49.64	250.99		
BC 6+35.8 = PL			51.23 251.21	C0.10 51.33					50.69 250.67	F0.48 50.21	
6+07.59		C216 51.11	248.95	C0.03 48.98				C0.41 48.84	48.43	F0.12 48.31	
5+80 = EVC		C0.86 47.56	246.70	C0.05 46.75				F1.39 44.91	246.20	F0.28 45.92	
5+60		C1.56 46.60	245.04	F0.05 44.99				F1.06 43.48	244.54	F0.22 44.32	

Pave Iona Drive Brooklyn to Mottlin Dr - 1-6-58 - DWG 11973-L -

LT = Wly -

W of 32411 -

RT = Ely -

46

Back of Pl.

Station	LT GUT	Rough Grade	Top cb grade	curb stake	LT 1/4	2	RT 1/4	Rough Grade	Top cb Grade	curb stake	RT 1/4
1487		C1.00 69.39	268.39	F0.09 68.48				F0.07 68.02	268.04	C0.19 68.23	3.00
1467		C1.88 69.15	267.27	F0.10 67.17				C0.48 67.28	266.80	C0.50 67.30	3.00
1447		C1.97 68.04	266.07	C0.04 66.11				C0.99 66.42	265.43	C0.99 66.42	3.00
1427		C1.9 66.7	264.77	F0.14 64.63				C0.18 64.10	263.92	C0.25 64.17	3.00
1407		C1.9 65.3	263.38	C0.04 63.42				C0.14 62.42	262.28	C0.22 62.50	3.00
0487		C1.71 63.61	261.90	F0.03 61.87				0.5 back C0.59 61.16	260.57	C0.55 61.12	2.35
0467		C2.40 62.72	260.32	F0.24 60.08				F0.32 58.54	258.86	F0.16 58.70	3.50
0447 = BVC		C3.28 61.94	258.66	F0.12 58.54				F0.24 56.91	257.15	F0.24 56.91	3.50
0417 = Pk. PC			256.12	C0.18 56.30					254.57	x on W of 11 C0.73 55.30	x
0413 = Cb Pca		C4.43 60.23	255.80	C0.22 56.02				C0.54 54.76	254.22	F0.54 53.66	

0400 = NLY side Brooklyn to Wly -

Pave Iona Dr - Brooklyn to

RT = Wly

McKlin cont

RT = Ely

47

BK of

cbfc

LT

Station	LT SUT	Rough Grade	Top cb Grade	curb stake	LT 1/4	RT 1/4	Rough Gr	Top ch. Grade	curb stake	BK of cbfc LT SUT
curb LT 4+67.27 = BVC		C1.25 83.00	281.75	C0.05 81.80						
4+64.01			281.65	C0.06 81.71				282.01	C2.18 84.19	250
4+54.01		C1.16 82.48	281.32	C0.03 81.35			on prop line C1.96 83.71	281.75	C1.90 83.65	250
4+44.01			280.90	C0.10 81.00				281.43	C1.50 82.93	BK 200
BVC 4+34.01 =		C1.15 81.65	280.50	C0.21 80.71			1' in street C1.48 82.48	281.00	C2.10 83.10	NAIL IN PILASTER 0.36
3+88.60		C0.18 78.77	278.29	C0.01 78.30			C0.52 79.15	278.63	C0.62 79.25	300
3+43.20		F0.61 75.46	276.07	F0.05 76.02			C0.06 76.32	276.26	C0.05 76.31	300
2+97.80		F0.01 73.84	273.85	F0.11 273.74			F0.57 73.32	273.89	F0.46 73.43	300
RT 2+87.02 = SL #4	See	Page 48	for Sewer + water							
2+52.40		C1.20 72.83	271.63	F0.13 71.50			F0.19 71.34	271.53	C0.05 71.58	300
(45.40) EVC 2+07 =		C1.82 71.23	269.41	C0.10 69.51			C0.55 69.72	269.17	C0.48 69.65	250

Pave Iona Dr. Brooklyn To Merkin

LT = wly -

CONT

48

RT = oly.

Station	LT 9/4	Rough Gr	Top of Grade	Curb Stake	LT 1/4	RT 1/4	Rough Grade	Top of Grade	Curb Stake	ely But
3+59 ² = W RT RT								277.09		
3+49 ² = SL #2								272.8 271.5	C3.82 76.62	
3+37 = W LT LT			275.76	C0.36 76.12						
3+27 ² = SL #3			IE = 270.5	C4.71 75.21						
2+97 ² = W RT 4 RT								273.86		
2+87 ² = SL #								IE = 268.3		
5+37 ² = P.L. RT								283.35		
B.C. RT 5+23 ² = C6							0.5 back PL C4.06 87.07	283.01	C3.89 86.90	260
5+14 ²							ON PL C3.93 86.74	282.82	C3.95 86.77	250
5+04 ²								282.68	C3.44 86.12	250
4+94 ²							ON PL C3.19 85.71	282.52	C3.11 85.63	250
4+84 ²								282.38	C2.80 85.14	250
4+74 ²							ON PL C2.43 84.63	282.20	C2.46 84.66	250

Stake storm drain in Newton Ave
 Between 38th & 39th W. # 322763 - 1-6-56
 DW 95934-13
 59.02 CT
 59.90 RT

Stake Nully Cor Home Ave 49
 + Gateway - See 2 sheet
 1-9-56 - B.C. on Home = B.M. 106.70

Station	IE Drain	Stake	OUT	Station	Top of Grade	Cut or Fill	Station	Top curb Grade	Out or Fill
3+				1+14.08	117.12	C077			
3+				14.34					
3+	15" pipe			4°33.87					
3+	1431 ⁵⁵ = sly end of	57.00	57.20	0+99.74	116.26	F009			
3+				P.C.C.					
2	0+97 ⁵⁵	58.25	61.33	7°31.02					
2				0+83 ¹⁰	115.15	F030			
	of sly box			16.62					
	0+83 ⁵⁵ = 15" out let	59.50	61 ⁹⁵	6°15.80'					
5				0+66 ⁴⁸	114.04	F029			
	Pipe enters sly box			16.62					
	0+83 ⁵⁵ = 15" conc	59.60	62.00	5°00.64'					
12				0+49.86	112.93	F046			
5	over 6" water line			16.62					
	0+67 ⁵⁵ = encasement	60.32	63.08	3°45.45'					
5				0+33.24	111.82	F050			
				16.62					
	0+51 ⁵⁵	60.41	63.31	2°30.32'					
5				0+16.62	110.71	F051			
	Box on Nly curb			16.62					
	0+31.55 = 15" out let	60.50	62.87	1°15.16'					
	enters box			Gateway	109.09				
4	0+31 ⁵⁵ 12" pipe	60.55	63.25	B.C. on	109.60	F053	5°24.43		
				3/4	108.87	F063	1+38.82	118.46	C009
				1/2	107.95	F038	10.39		
	0+15 ⁵⁵	60.71	63.60	1/4	107.25	F032	2°42.35		
							P.R.C.		
	12" pipe in let 38			Home Ave			1+28.43	117.90	F005
	0+00 = Nly end of	60.87	63.62	B.C. on	106.75		14.35		
							9°07.53'		

6.7%

cut
 (1247.4)
 1492'
 Meer
 3
 6

51

Stake 175' of Curve on NELY
 side of Yonge ST - NWly of
 Rose crans ST Dwg 5907-B
 No# 62455 - 2-10-56 -
 C. Allen, D. Lison, C. Powell, R. Parkes

Station	Top of Curb Gr	CBJK	Cut or Fill
BM = Top of EXIST Cb at P.C. (0+27) =			27'0
1+75 = EP	44.02	43.78	F024
1+70	43.18	40.74	F244
1+50	40.11	39.11	F100
1+30	37.33	36.68	F065
1+10	34.86	34.89	C003
0+90	32.69	32.87	C018
0+70 = BVC	30.81	31.30	C049
0+48.5	28.95	29.77	C082
43' Rad r 0+27 = Cb EC	27.10	Meet.	
Rose crans ST 0+00 = NWly Line			

Alley BLK 80 - Point Loma Hts
 Wb# 32187 - 2-17-56 - F02267-73
 DW'g 12163 - L - C. Allen, D. Sisson
 C. Powell, R. Parks

Station	LT = NELY	Grade	RT = Swily -	
1+70	{ C1.37 83.70 182.33		{ F1.03 81.30 182.33	'X' 1' bk
1+40 = EVC	{ C2.41 83.75 181.34		{ C1.01 2.35 181.34	Nail in back
1+20	{ C-1.86 82.22 180.36		{ C1.62 81.95 180.33	Nail 0.55' bk
1+00	{ C1.59 80.59 179.00		{ C1.71 80.59 178.88	Nail edge of paving
0+80	{ C-2.55 79.73 177.18		{ C2.05 79.04 176.99	Nail 0.55' back
BVC 0+60 =	{ C3.32 78.30 174.98		{ C2.68 77.34 174.66	Nail 0.15' in pave
0+20	{ C6.64 76.24 169.60	{ C7.19 69.05	{ C2.80 72.10 169.30	3' back
0+10	{ C7.38 75.38 168.00	{ C7.81 67.57	{ C-3.60 71.44 167.84	3' bk
0+05	{ C4.64 72.35 167.71	{ C5.35 67.00	{ C3.87 71.10 167.23	3' back
= P.L. Cor 2.07 0+00	167.43	66.63	166.63	

Alley BLK 80 cont

Station	LT = NELY	Grade	RT = Swily -	
2+70 = SL	202.30			C 7' IE 175.40 = IE
3+63.75	{ C1.95 201.60 199.65		{ F0.59 99.06 199.65	
3+30	{ C2.46 98.06 195.60		{ C0.44 96.04 195.60	
3+20 =	stake 97.14 - C 7.60			IE 189.54 = IE AT Prop
3+00	{ C2.11 94.54 192.43		{ F0.80 91.63 192.43	
2+97 =				192.00 (192.99 = C 0.99 at 2 MH)
2+70	{ C-2.37 91.64 189.27		{ F0.57 88.70 189.27	
2+40 = EVC	{ C2.55 88.66 186.11		{ F1.54 84.57 186.11	
2+20	{ C3.13 87.49 184.36		{ F0.27 84.09 184.36	
BVC 2+00 =	{ C2.25 85.58 183.33		{ C-1.77 85.10 183.33	Nail in Fence 0.10' back

Station	LT = NELY	Grade	RT = SWLY
Santa Barbara 6+00 ^{1/2} = P.L.	237.56		Meet 236.57
5+90	CO ⁵⁵ Took { 36.50 236.50	235.95	F0.61 35.59 } 236.20 } F0.36 Took
5+75	{ F1.06 32.94 234.00		{ F0.29 33.71 234.00
5+45 = EVC	{ C0.63 27.17 226.54		{ F0.56 25.98 226.54
5+25	{ C.1.50 23.39 221.89		{ C1.96 23.85 221.89
5+05	{ C-2.46 20.35 217.89		{ C1.84 19.73 217.89
4+85	{ C-2.20 16.72 214.52		{ F0.06 14.46 214.52
4+65 = BVC	{ C-2.12 13.92 211.80		{ C1.37 13.17 211.80
4+31.25	{ C1.72 09.47 207.75		{ C1.26 09.01 207.75
3+97.58	{ C 1.06 04.76 203.70		{ C0.87 04.57 203.70 } Nail in fence 0.75 Back

Pave Gaines St - Colusa to
 Benicia St - DWIG 12669-L -
 W/O # 32455 - 2-23-56 - FB 2268-41 *1/24*
 C. Allen - A. Sisson, Powell - R. Park

RT = N/4 -

54

Station	N/4 1/4 got	Rough Grade	Top of Curb	Top of Curb Stake	Sly 1/4	Grade	N/4 1/4	Rough Grade	Top of Curb Grade	Top of Curb Stake	N/4 got
<i>Moved</i> 32' ELY											
SL # 2, RT 2+39 1/2 2+39 1/2			38.78	38.55							
2+44 0 1/4		C0.16 38.71		C0.15 38.70				C1.25 40.30		C0.06 39.11	
2+06 7 0		C0.43 39.63		C0.33 39.53				C1.57 41.27		C0.35 40.05	
1+69 3 6		C0.26 40.11		C0.04 39.89				C1.42 41.77		C0.21 40.56	
1+32 0 1/2		C0.09 40.59		C0.30 40.80				C1.15 42.15		C0.37 41.37	
0+94 6 0		C0.12 41.27		C0.33 41.48				C1.19 42.84		C0.16 41.81	
0+57 3 4 10' Part of 39.34 + excess		C0.08 41.88		C0.31 42.11				C0.98 43.28		F0.09 42.21	
BC LT (29 rad) 0+20 = Cb		F0.07 42.38		C0.18 42.63				C0.98 43.93		F0.17 42.78	
BC, RT (13 rad) 0+05 = Cb								C0.90 44.11		C0.05 43.26	
Colusa St 0+00 = v.d.p.L.			41.56							C0.38 43.68	

IFAT Prop = ~~35~~ 33 6

Pave Gainers cont
LT = 1/4.

RT = 1/4.

55

Station	LT 90T	Rough Grade	Top cb grade	Curb stake	LT 1/4	4 Grade	RT 1/4	Rough Grade	Top cb Grade	Curb stake	RT 90T
PJ. 13061a 4+137 ¹ = PLY		C0.10 35.30	35.61 35.20	F0.31 35.30				F3.77 32.38	36.15	F2.11 34.04	
BC LT+RT 4+087 ⁴ = eb.		F0.01 35.69	35.70	F0.39 35.31				F2.37 33.83	36.20	F1.57 34.63	
P.L.B.C.LT 3+93 ⁷⁴ =		C0.34 36.30	35.96	F0.17 35.79				F0.70 35.75	36.45	F0.52 35.93	
3+52 ⁰⁶ =		C0.30 36.90	36.60	C0.10 36.70				C0.55 37.65	37.10	C0.04 37.14	
3+187 ² =		C0.27 37.52	37.25	C0.18 37.43				C0.96 38.71	37.75	F0.01 37.74	
LT 3+01 ⁴ SL #1		IE at Prop = 326									
4 RT 2+987 ¹ = SL								IE at Prop = 332 = (38.94 = C5 94)			
2+81.38		C0.21 38.11	37.90	F0.22 37.68				C0.92 39.32	38.40	C0.17 38.57	

Pave Alley
3-27-56-

Block 36 - FORTUNA PARK
Dwg# 3047-D - C. ALLEN - R.

FB 2312-58 - W0
PARKS, C. POWELL

#32331

56

Station	LT=WLY edge alley	LT= WLY Stake	RT=Ely edge Alley	RT Stake	Station	LT=WLY edge Pave	LT Stake	RT=Ely edge Alley	RT Stake
					5 Parts of 24'				
2+24	N 0.25 Back 26.46	C0.72 27.18	26.71	C0.45 27.16	4+00 = E.V.C.	B 1' back 27.74	F0.04 27.70	27.99	C0.45 28.44
2+00	N 0.36 Back 26.22	C0.85 27.07	N 0.45 back 26.47	C0.91 27.38	3+80	B 1' back 27.76	C0.17 27.93	'X' on walk 28.01	C0.37 28.38
1+76	N 0.32 back 25.98	C0.60 26.58	B 1' back 26.23	C0.67 26.90	3+60	B 1' back 27.72	F0.04 27.68	27.97	C0.17 28.14
1+52	'X' on drive 25.74	C0.49 26.23	N 0.38 Back 25.99	C0.80 26.79	3+40	'X' 27.62	C0.09 27.71	27.87	F0.01 27.86
1+28	25.50	C0.47 25.97	N 0.55 back 25.75	C0.79 26.54	3+20 = B.V.C.	'X' 27.44	C0.18 27.62	27.69	F0.39 27.30
1+04	25.26	C0.29 25.55	N 0.42 back 25.51	C0.74 26.25	RT 3+04 = SL#2			22.65	C5.11 27.76
10' Parts of 24'									
0+80 = E.V.C.	25.02	C0.27 25.29	B 0.29 Back 25.27	C0.54 25.81	2+96	X 27.18	C0.25 27.43	27.43	C0.63 28.06
0+60	24.85	C0.14 24.99	1' back 25.10	C0.25 25.35	2+72	'X' 26.94	C0.50 27.44	27.19	C0.38 27.57
0.82 to & from wly 0+40 = B.V.C.	24.22	C0.59 24.81	24.47	C0.57 25.04	2+48	'X' 26.70	C0.67 27.37	26.95	C0.28 27.23
Alley - 0+00 = Sly end of	22.65		22.67	Meet	RT 2+50 = SL#1			22.00	C5.15 27.15

Pave Alley B/K 36 - Fortuna Park Cont

Station	LT = wly edge pave	LT Stake	RT = ely edge pave	RT Stake
---------	--------------------------	-------------	--------------------------	-------------

Ave

P.L. Lau Playa	C153 Tok		2035 Tok	
5+58 ³⁰ = Sly	26.31	C1.29 27.60	'X' on wall 26.53	C3.05 29.58

Plaza Ave

in grade	N 090 back	C0.95		C1.50
5+20 = Brk	27.40	28.35	27.65	29.15

4+96	27.46	C0.54 28.00	'X' 1' back 27.71	C0.62 28.33
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4+72	27.53	C0.57 28.10	B' back 27.78	C0.66 28.44
------	-------	----------------	------------------	----------------

4+48	27.60	C0.13 27.73	27.85	C0.29 28.14
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^{LT} 4+29 = SL #3	22.93	C4.84 27.77		
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4+24	27.67	C0.32 27.99	27.92	C0.19 28.11
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Pave Treat ST. From 28th ST to
280' Wly of Thevly Line 28th

W10# 32545 - DWG 12428-L 58

April 2, 1956

& curbs are existing

Station	LT = Sly 9UT	existing Top cb	Grade	existing Top cb	RT = Nly 9UT
1+70 ⁶⁰ & RT			3.83 133.86	4.66	134.13
1+60 ⁰⁰ & RT			2.89 133.22	3.85	133.30
1+31 ⁰³ RT only				33.15	132.54
cb. RT & & 1+21 ⁰⁰ = & Nly			1.85 132.18		132.04 132.08
6-12- 1+18 ⁰³ - Sly ch	1.02 131.03				
1+05 ⁶⁰	131.34	32.00	1.98 132.31	5.09	132.40
0+80 ⁶⁰	3.60 133.49	4.27	4.16 134.49	5.22	134.60
0+55 ⁶⁰	136.76	37.50	137.93	8.70	138.22
0+30 ⁶⁰	140.101 140.03	40.79	141.38	42.42	141.84
28 th = 0+00 = wly p.c.	144.84	45.46	146.12	7.08	146.52

Pave Treat & J CONT

RT = mly - 59

Station	LT = 517 90T	existing Top ch	± grade	existing Top ch	RT = NLY 90T Tok
/					
/					
/					
/					
0.					
/					
project 1.2+80 ⁰⁰ = end	1.22 151.28		51.70 152.31	52.24	1.51 151.51
5 Lych 0.2+55 ⁶⁰ ±	146.80 147.15	147.47	7.52 147.66	47.93	47.26
NLY ch only 0.2+42 ⁸⁰					145.35
5 Lych 0.2+30 ⁶⁰ ±	42.70 142.91	43.26 143.58	3.19 143.52		
0.2+05 ⁶⁰	8.45 138.67	39.08 129.24	9.05 139.38	139.88	139.19

Pave Worden ST Wabaska Nky TO
 DWG # 12372-L - FB 1818
 LT = NWLY

Banjo - WO # 31624 4-3-52 60
 C Allen, D. J. Jenson, C Powell, R. Parker
 RT = SELY-

Station	LT 9UT	Rough grade	Top cb grade	Curb Stake	LT 1/4	RT grade	RT 1/4	Rough grade	Top cb grade	Curb Stake	RT 9UT
For grades on Cul De Sac Sec DWG # 12372-L											
Rad Pt Banjo 1+64 ⁶³ =											
Cul De Sac 1+37 ⁹⁴ =B.C.			83.32	CO. 23 } 83.55 }				FO. 20 83.11	83.31	FO. 36 82.95 }	
1+05 ⁹⁴ T. Miss Palm 0+77- ^{LT} only		CO. 15 84.61 ₉₆	84.46	CO. 14 } 84.60 } Grade 85.50				FO. 24 84.21	84.45	FO. 51 } 83.94 }	
Sundir Line Wabaska 0+73 ⁹⁴ -SWly	T.SLY NWLY	85.61 Grade 85.53-FO. 08	85.61					T.SLY TO NWLY	85.3 FO. 3 85.34 FO. 26	85.60	FO. 46 } 85.14 }
B.C. LT 0+51 ⁸² =CB		CO. 23 86.56	86.33	CO. 34 } 86.67 }				FO. 13 86.20	86.33	FO. 48 } 85.85 }	
only 0+25-RT								4th block PL CO. 58 88.14	87.56	FO. 36 } 87.20 }	
Worden Wabaska NEly CB 0+00=CB BC								CO. 05 88.61	88.56	FO. 41 88.15	

Pave Worden ST-Voltaire 78
 FB 1818 - C Allen -
 LT = SELV

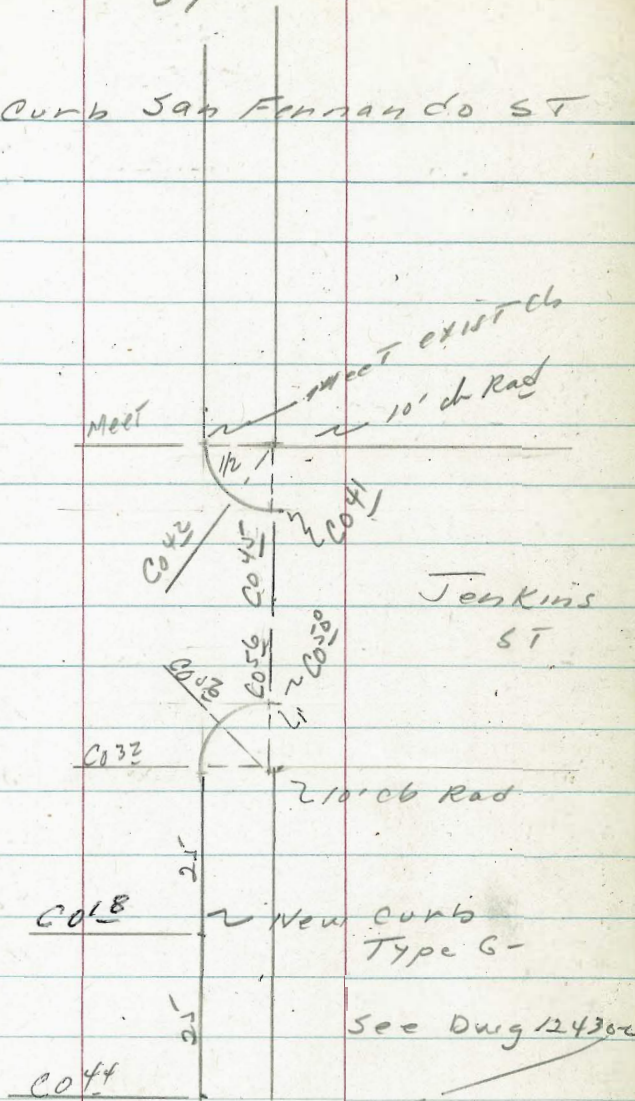
Udall - DWG 12371-L - WO 31626 61
 RT = NWLY

Station	LT 9UT	Rough Grade	Top Cb Grade	Curb Stake	LT 1/4	± Grade	RT 1/4	Rough Grade	Top Cb Grade	Curb Stake	RT 9UT
See DWG 12371-L for Returns.											
LT Cb Bc 1+82.65		85.19 84.95	79.76	F0.10 79.66							
Bc RT 1+75.13 = Cb			80.11	C0.12 } 80.23 }				C1.04 80.94	79.90	F0.30 79.60	
1+45		04.08 85.63	81.55	C0.14 } 81.69 }				C0.97 82.28	81.31	F0.15 } 81.16 }	
1+20		C3.36 86.11	82.75	C0.13 } 82.88 }				C2.25 84.64	82.49	C0.10 } 82.59 }	
0+95		C2.90 86.85	83.95	C0.27 } 84.22 }				C1.17 84.84	83.67	C0.19 } 83.86 }	
0+70		C5.63 90.78	85.15	C0.24 } 85.39 }				C0.47 85.32	84.85	C0.36 } 85.15 }	
0+45		C4.07 90.42	86.35	C0.15 } 86.50 }				F0.01 86.02	86.03	C0.12 } 86.15 }	
0+20		C2.95 90.50	87.55	C0.41 } 87.96 }				C0.01 87.22	87.21	C0.09 } 87.30 }	
0+10			88.10	C0.32 } 88.42 }					87.60	F0.31 } 87.29 }	
Cb Bc 0+04.80 =		C1.98 90.30	88.32	C0.35 } 88.67 }				F0.67 86.92	87.59	F0.40 } 87.19 }	
Line voltaire 0+00 = 52y			88.58						87.59		

Kellogg St

Replace Curb San Fernando St

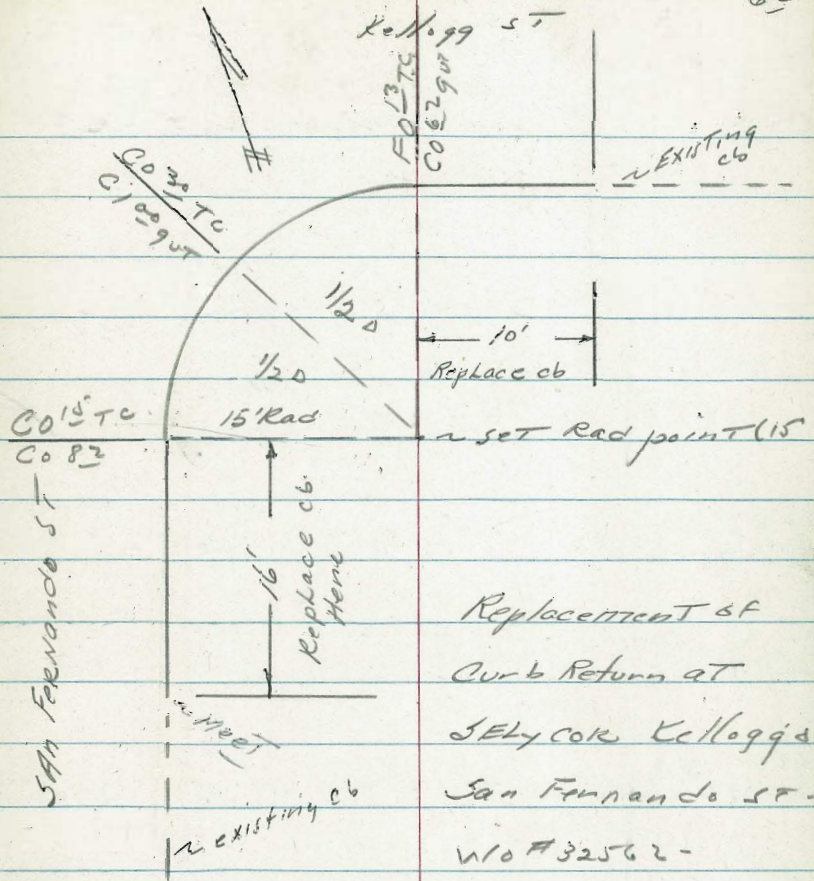
San Fernando St



US Military Reservation

62

Kellogg St



Replacement of
Curb Return at
SELY CORN Kellogg &
San Fernando St -
W/O # 32562 -
Dwg # 12430-C -
C. Allen - 4-6-56

Station	LT = why grade edge Alley.	stake + cut or fill	add. wo # 32541- Dwg # 12247-L- RT = sky edge Alley	stake + cut or fill	FB 1845-52 63 C. Allen - Storm Drain at 3+72.52-
2+40 ⁸⁴	72.40	72.90 - C0 ⁵⁰	72.20	72.23 - C0 ⁰³	
2+20 ⁸⁴ = PVC	72.50	Nail 0.43 back 72.82 - C0 ³²	72.30	72.06 - F0 ²⁴	exist
1+90 ⁸⁴	72.20	Nail 0.18 back 72.79 - C0 ⁵⁹	72.00	72.09 - C0 ⁰⁹	1+05 ³⁷ = Meet - 62.08
1+60 ⁸⁴ = EVC	71.90	Nail 0.83 back 72.82 - C0 ⁹²	71.70	71.84 - C0 ¹⁴	0+89 ⁴⁹ = E.C. $\left\{ \begin{array}{l} C0.71 \\ 63.19 \\ 62.48 \end{array} \right.$
1+40 ⁸⁴	1' back 71.50	1' back 72.11 - C0 ⁶¹	71.30	71.18 - F0 ¹²	0+78 ¹⁸ = B.C. $\left\{ \begin{array}{l} C0.94 \\ 63.78 \\ 62.84 \end{array} \right.$
1+20 ⁸⁴ = PVC	71.00	71.50 - C0 ⁵⁰	70.80	70.84 - C0 ⁰⁴	0+52.12 - $\left\{ \begin{array}{l} C-1.18 \\ 64.74 \\ 63.56 \end{array} \right.$
0+80 ⁸⁴ = FVC	69.40	69.35 - F0 ⁰⁵	69.20	69.98 - C0 ⁷⁸	0+26.06 - $\left. \begin{array}{l} C2.31 \\ 66.59 \\ 64.28 \end{array} \right\}$
0+60 ⁸⁴	68.20	68.52 - C0 ³²	68.00	67.86 - F0 ¹⁴	69.55 $\left\{ \begin{array}{l} IE = 65.00 \\ C4.55 \\ C1.15 \end{array} \right.$ 0+00 Top Grate = 68.40 3+72.52
0+40 ⁸⁴ = PVC	66.10	65.73 - F0.37	65.90	67.85 - C1 ⁹⁵	Alley at Station 0+00 = 5' city of E
315T 0+00 = Fly Pt.	60.90		60.70		

Alley 131K 334 Choates Add Cont

LT=NHy

RT=Sh
ALLEY
Grade

Station	Alley grade	Stake	Grade	Stake
4120 ⁸⁴ (20')	69.53	Nail 0.93 back 70.39 - C086	69.33	Nail 2' back 69.13 - F020
4400 ⁸⁴ = E.V.C.	69.20	69.08 - F012	69.00	69.14 - C014
3480 ⁸⁴	69.00	Nail 0.60 in pave 69.99 - C099	68.80	69.05 - C025
Drain P-63 3+725' =				
3460 ⁸⁴	69.20	1' back 69.50 - C030	69.00	3' back 68.65 - F035
3440 ⁸⁴	69.40	Nail 0.56 in pave 70.55 - C115	69.20	69.08 - F012
3420 ⁸⁴	69.80	70.62 - C082	69.60	69.05 - F055
3400 ⁸⁴ = B.V.C.	70.50	1' back 71.08 - C050	70.30	69.60 - F070
2460 ⁸⁴ = E.V.C.	71.90	Nail 0.70 Back 72.10 - C020	71.70	71.47 - F023

Pave Alley 334 Choates. cont

LT = NLY

RT = Sky.

65

Station	LT edge Alley	stake	edge Alley	stake
3 rd 6400 ⁸⁴ = Wly PL	75.40		75.40	
5480 ⁸⁴	74.35	74.88 C0.53	74.30	0 11 back 74.82 - C0.52
5460 ⁸⁴ FVC	73.30	73.92 - C0.62	73.20	73.72 - C0.52
5440 ⁸⁴	72.34	72.85 - C0.51	72.20	72.86 - C0.66
5420 ⁸⁴	71.56	72.31 - C0.75	71.38	72.56 - C1.18
5400 ⁸⁴	70.96	71.30 - C0.34	70.77	Nail on 26. back 72.06 - C1.29
4480 ⁸⁴ = B.V.C.	70.53	70.89 - C0.36	69.33	69.69 - C0.36
4460 ⁸⁴	70.19	70.12 - F0.07	69.99	69.55 - F0.44
4440 ⁸⁴	69.86	Nail 0.168 back 70.01 - C0.15	69.66	X' 21 back 69.61 - F0.05

Stake Curbs on SWly side of
Curtis St Adjacent To lots
16 Thru 19 Block 32 Western Add
See Profile 1087 - Xsec # C-19

BM = end exist curb at 0+51 - Xsec C-19

EL = 115.60 - 4-20-52 - C. Allen

Station	Top of Grade	Stake	
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0+43	112.62	111.30	F132
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0+40: EVC	112.76	111.87	F089
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0+20	113.94	113.52	F042
------	--------	--------	------

C-19 curb at 0+51			
0+00 = end exist	115.60	Meet	

STake Storm drain from West
 To S.D. River Flood Channel - WO# 21394
 O. Allen, Sisson, Parks, Powell

Station	IE Drain	Stake	CUT
1+72	11.69	18.88	C-7 ¹⁹
1+48	11.79	10.47	25' ELY F1 ³²
(24) Staked 25' Ely from here ONLY			
1+24	11.90	10.07	10' ELY 25' ELY F1.83 F1.89
(24.57)			
0+9993 = E.C.	12.01	10' ELY 9.66	F2 ³⁵
POINT CURVE 0+68.96 = Mid	12.15	10' ELY 9.85	F2 ³⁰
R = 89'			
T = 32.28			
L = 61.93			
R. 947 - Δ = 39°52'			
0+38 = B.C. To	12.29	10' ELY 10.63	F1 ⁶⁶
special C.O.			
0+08 = Nly of	12.42	10.63	F1 ⁶⁶
W. Pt Loma Blvd 54" R.C.P. under existing Twin			
0+00 = Nly end of	13.29	Meet	

Point Loma Blvd + Wabaska Dr 67
 4/23/52 - DWG# 3143-D - FB 2367-X
 Mission Bay default

Station	IE Drain	Stake	CUT
4+12	10.68	21.21	C-10 ⁶⁰
3+88	10.71	21.53	C10 ⁸²
3+64	10.82	21.99	C11,17
3+40	10.93	20.88	C9,95
3+16	11.04	21.52	C1048
2+92	11.15	21.88	C1073
2+68	11.25	22.02	C1077
2+44	11.36	21.14	C978
2+20	11.47	20.82	C935
1+96	11.58	20.38	C8.80

5+05177 Drain w. Pt. Loma 1344

CONT

68

Station	IE Drain	Stake	CUT
6+52	9.53	21.35	C11.82
6+28	9.63	20.98	C11.35
6+04	9.74	20.71	C10.97
5+80	9.85	20.86	C11.01
5+56	9.96	20.94	C10.98
5+32	10.07	21.26	C11.19
5+08	10.17	21.75	C11.58
4+84	10.28	21.42	C11.14
4+60	10.39	21.62	C11.23
4+36.00	10.50	21.99	C11.49

Station	IE Drain	Stake	CUT
8+75.13 = 8	8.52	20.63	C12.11
8+68	8.55	20.51	C11.96
8+44	8.66	20.84	C12.18
8+20	8.77	20.94	C12.17
7+96	8.88	20.72	C11.84
7+72	8.99	20.68	C11.69
7+48	9.09	20.79	C11.20
7+24	9.20	20.88	C11.68
7+00	9.31	21.19	C11.88
6+76	9.42	21.46	C12.04

Storm Drain at W. Point

Lanza & Wabarka Cont

69

Station	IE Drain	Stake	CUT	Station	IE Drain	Stake	CUT
11+08	7.47	16.85	C9 ³⁸	13+48	6.39	13.02	C6 ⁶³
10+84	7.58	17.46	C9 ⁸⁸	13+24	6.50	13.34	C6 ⁸⁴
10+60	7.69	18.12	C10 ⁴³	13+00	6.61	13.67	C7 ⁰⁶
10+36	7.80	18.64	C10 ⁸⁴	12+78 ⁰²	-No grade- Begin crusher Rock Bedding -		
10+12	7.91	19.79	C10 ⁸⁸	12+76	6.72	13.96	C7 ²⁴
9+88	8.01	19.35	C11 ³⁴	12+52	6.83	14.26	C7 ⁴³
9+64	8.12	19.77	C11 ⁵⁹	12+28	6.93	14.60	C7 ⁶⁷
9+40	8.23	20.04	C11 ⁸¹	12+04	7.04	14.96	C7 ⁹²
9+16	8.34	19.99	C11 ⁶⁵	11+80.00	7.15	15.31	C8 ¹⁶
8+92	8.45	20.86	C12.41	11+56	7.26	15.77	C8 ⁵¹
				11+32	7.37	16.28	C8 ⁹¹

Storm Drain at W. Point

Lotta + Wabaska

C14

70

Station	I/E Drain	Stake	CUT	Station	I/E Drain	Stake	CUT
15+88	5.31	9.88	C4.87	- face head 17+96.02	4.30		
15+64	5.42	10.54	C5.12	end pipe 17+78.02	4.47		= Sight C. O.
15+40	5.53	11.37	C5.84	= EC 17+60.02	4.53	13.90	C9.37
15+16	5.64	11.69	C6.05	Mid point 17+41.57	4.61	12.96	C8.35
14+92	5.75	12.20	C6.45	= BC 17+23.13	4.70	8.95	C4.25
14+68	5.85	12.43	C6.58	17+08	4.77	9.73	C4.96
14+44	5.96	12.67	C6.71	16+84	4.88	9.84	C4.96
14+20	6.07	12.79	C6.72	16+60	4.99	9.37	C4.38
13+96	6.18	12.72	C6.54	16+36	5.09	9.45	C4.36
13+72	6.29	12.85	C6.56	16+12	5.21	9.61	C4.40

connecting 18" R.C.P. at W. Pt Loma
Blvd + Wabaska - sec Dwg 3143-D

Station	IE Drain	Stake	CUT	
BM = chise L X' top Headwall at sig end of Twin 54" R.C.P. - 0+05 ³⁰ FB 2367				
54" Pipe Connect to				
1+27-4°47.39'	16.56	27.74	C1124	D = 9°34.78
(22.78)				R = 408.5
1+04 ²² -3°11.54	16.76	26.53	C977	L = 68.30
(22.76)				Det per
0+81.46-1°35.77	17.02	25.70	C868	foot =
(22.76)				4.20777'
BC 0+58 ²⁰ =	17.28	24.77	C749	
(19.58)				
0+39 ¹³	17.51	23.61	C610	
(19.56)				
0+19.56	17.74	23.29	C555	
(19.56)				
SEE FB 2367/6 of 54" R.C.P.				
3" Box - 127 Wly Pipe at Ely of 0+00 = Begin				
	17.97	Tip Box 23.37	C540	

Stake Alley Block 281 - Pacific
 FB 2199-1 + 2159-60 - WOA 32567
 C. Allen, D. Sisson, C. Powell - R. Park
 LT = NLY

Beach - Dwg# 3010 - D
 4-27-56 - RT = SLY.

72

Station	LT edge of Alley	Stake	CUT OR FILL	RT edge of Alley	Stake	CUT OR FILL
1480 = EVC	17.67	19.09	C142	17.37	18.21	C084
1460	18.32	19.29	C097	18.02	18.69	C067
1440	19.18	19.47	C029	18.88	19.30	C042
1420	20.13	19.97	F016	19.83	19.63	F0.20
1400	21.28	20.85	F043	20.98	21.00	C002
0480 BVC	3' back 22.52	22.35	F0.17	22.22	22.30	C008
0450 E.V.C.	24.28	24.41	C013	24.07	24.15	C008
0435	24.55	26.00	C145	24.50	24.71	C021
0420 = BVC	24.10	26.27	C217	23.93	24.45	C052
MORRELL 0400 = WLYLINE	22.90			22.50		

22.33

Alley BIK 281 Pacific Beach cont

LT = NLY

RT = SH-

73

Station	LT edge of Pavc	Stake	CUT OR FILL	ℓ	RT edge Pave	Stake	CUT or FILL
Meet exist 3+492	12.90			12.50	12.61		
3+397	13.14	13.61	C047	+ C103 12.58	C203 To R → 12.84	14.61	C177
3+35	13.27	13.95	C068		12.97	14.78	C181
3+08	14.03	14.55	C052		13.73	16.78	C305
2+76	P.K. 14.94	15.30	C036		14.64	15.79	C15
2+50 = 2MH	15.68			C191 15.13	15.38		
2+44	15.85	19.23	C338		15.55	17.03	C148
2+12	16.76	18.73	C197		16.46	18.80	C234

Stake Access Roads + Parking area in
Park. See DWG 3151-D - No # 21378 -

For sure - LT = Nly.

ALCAZAR gardens in Balboa
4-30-56 - C. Allen

74

Station	LT 9UT	Rough br	Top CB Grade	Curb stake	q grade	Rough grade	Curb grade	Curb stake	RT 9UT
2R-251.5 Ref per fut = 6.834486'									
BCRT 0+4573-		C0.33 255.98	F0.08 255.65	58.57	255.55	C1.66 257.65	255.99	C1.51 57.50	
0+2286		F0.40 257.52	F0.39 257.92	57.53	258.32	C0.21 258.47	258.26	C0.16 58.42	
0+00 #5-EC+		F0.32 260.48	F0.23 260.80	60.57	261.10	F0.03 261.11	261.14	F0.11 61.03	
#4		F0.07 262.03	F0.06 262.10	62.04		C0.17 262.03	261.92	C0.09 62.01	
#3						F0.19 262.73	262.92	F0.11 262.81	
#2						F0.51 263.36	263.87	F0.47 263.40	
#1						F0.31 263.81	264.12	F0.24 263.88	
5' Parts									
30' CB Rad Main Road Nly Roads Curb Nly CR 0-4713=BC							264.10		263.60

fly access Road To parking Area

See Dwg 3151-D - to ensure

LT = fly + wly - 2 + 1.10

ALCAZAR Gardens - Balboa Park 76

RT = Nly + Ely - 2 + 1.44

Station	LT 90T	Rough grade	Top ob grade	Curb stake	± grade	Rough grade	Top ob grade	Cur's stake	RT 90T
1+48.56		CO.31 52.88	252.57	CO.33 52.90	252.47	CO.09 255.00	252.91	CO.94 53.85	
Arc = 24.52 Del = 7031.50' Ch = 24.49 Δ = 54°00' R = 93.5 1+24 = Ch BC DPF = 18.38367'									
		CO.02		CO.09 54.04	253.85	CO.36 255.65	254.29	CO.96 55.25	
1+04		F1.17 253.93	255.10	F1.14 53.96	255.00	CO.59 256.03	255.44	CO.40 56.84	
0+84		F1.39 54.76	256.15	F1.21 54.94	256.05	CO.27 256.76	256.49	CO.07 56.56	
0+64		F1.08 56.02	257.10	F0.98 56.12	257.00	CO.13 257.57	257.44	CO.02 57.46	
0+44		F0.46 57.09	257.55	F0.61 56.94	257.45	CO.35 258.24	257.89	CO.34 58.23	
(19.56)		Grade		CO.0		CO.16		CO.14	
0+24.44		57.39	257.40	57.50	257.30	257.90	257.74	57.88	
RT - (3' Rad)						CO.17			
0+06.6 = Ch BC						57.17	257.00	57.24	
LT - (10' Rad)									
0+01.2 = Ch BC		CO.20 56.65	256.45		256.35				

sky access Road Balboa Park

LT = Sky + Wly = 2 + 1.0

cont

77

RT = Nly + Ely = 2 + 1.44

Station	LT 90T	Rough grade	Topob grade	Curbstake	L grade	Rough grade	Topob grade	Curbstake	RT 90T
end of Island 2+60.12 = Wly		F1.62 54.04	255.66	F0.87 254.79	255.20	C0.43 256.07	255.64	F0.54 55.10	
11'									
2+49.12		F1.36 252.99	254.35	F0.24 54.11	254.25	C0.93 255.62	254.69	F0.27 54.42	
15'									
2+34.12		F0.72 251.88	252.60	C0.50 53.10	252.50		252.94	C0.50 53.44	
(10')									
2+24.12		F0.74 250.76	251.50	C0.41 51.91	251.40	C1.63 253.47	251.84	C1.55 53.39	
12'									
2+12.12 = E.C. Det = 27°00' Ch = 9'	0093 49.90	F2.24 248.41	250.65	C0.18 250.83	250.40	C1.53 252.53	251.00	C1.89 52.89	
11'									
2+03.12 Det = 24°14.52' Ch = 10'	41.90	F2.80 247.35	250.15	C0.35 50.50	250.05	C-2.28 252.78	250.49	C2.26 252.75	C2.55 250.20
10'									
1+93.12 Det = 21°10.68' Ch = 10'		F4.87 245.63	250.50	50.51	250.20	C1.76 52.56	250.80	C1.72 52.52	
10'									
1+83.12 Det = 18°06.84' Ch = 10'		F3.78 246.87	250.65	F0.02 50.63	250.55	C1.56 52.55	250.99	C1.35 52.34	
10'									
1+73.12 Det = 15°03.00' qcc = 24.56' Ch = 24.49		F2.89 248.31	251.20	C0.10 51.22	251.10	C2.03 53.57	251.54	C0.53 52.07	

Sly access Road ALCAZAR gardens

LT = Sly + Wly - 2 +.10

Balboa Parks Cont

RT = Nly + Sly - 2 +.44

78

Station	LT 90T	Rough grade	Top of grade	Curb Stake	L grade	Rough grade	Top of grade	Curb Stake	RT 90T
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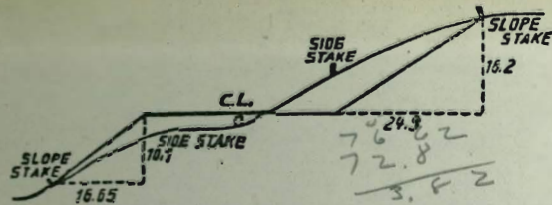
Parking Lot
entrance to
Sly curb
Wly end of
3+02.12 =

F1.20
256.36 257.56 F1.12
56.44

2+80.12

F1.48
255.09 256.57 F0.72
52.83

256.40



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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