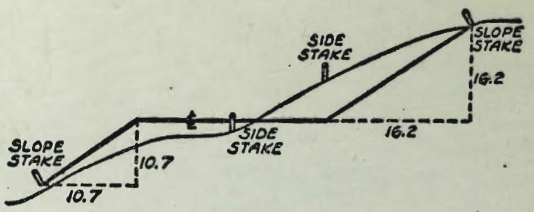


Distances from Side Stakes for Cross-Sectioning

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.

IMPROVED TABLES AND INFORMATION

Index

				4482 36.23 C 8.59
		4300 36.98 C 6.02	2+50	
1+00				
				4447 36.36 C 8.11
		4273 37.11 C 5.62	2+25	
0+75				
				4421 36.48 C 7.73
		4207 37.23 C 4.84	2+00	
0+50				
				4392 36.61 C 7.31
		4201 37.36 C 4.65	1+75	
0+25				
				4358 36.73 C 6.85
		4257 37.48 C 5.09	1+50	
0+00 = N. Wly line Noel St.				
		4260 37.50 C 5.10		4294 36.86 C 6.08
0-03,6 = Ctr. type "F" C.O.			1+25	
Start 42"				

			11' Rt ↓	↑
3+89.58 Mid Curve.		~~35.45~~	4+56.66 = E.C.	47.01 33.73 C13.28 — 11' Rt
		46.32 35.66		
3+67.27 = B.C.		C10.66	4+34.30 = Mid Curve.	46.57 33.85 C12.72 — 15' Rt
		46.11 35.74		↓
3+50		C10.37	4+11.94 = P.R.C.	46.25 33.96 C12.29
		45.77 35.86		
3+25		C9.91	3+97.33 = Start. 60" pipe	—
		45.44 35.78		
3+00		C9.46	3+95 = Ctr. Type "C" C.O. (42") Def 1°-36' L = 27.78	46.08 35.53 C10.55 — 46.08 34.03 C12.05 (60")
		45.11 36.11		
2+75		C9.00	3+92.67 END. 42" pipe	—

6+00	47.49 33.01 C 14.48	7+50.23 = (1/3) Def. 0° 44' 20	48.03 32.26 C 15.77
5+75	47.00 33.14 C 13.86	7+24.46 = B.C.	47.95 32.39 C 15.56
5+50	47.32 33.26 C 14.06	7+00	47.85 32.51 C 15.34
0.50 ↓			
5+25	46.89 33.39 C 13.50	6+75	47.77 32.64 C 15.13
		0.50 ↓	
5+00	47.13 33.51 C 13.62	6+50	47.30 32.76 C 14.54
4+75	47.03 33.64 C 13.39	6+25	47.59 32.89 C 14.70

9+00
50.28
31.50
C18.78

8+79.22 = E.C.
Δ. 2°-13'
49.72
31.62
C18.10

Rad. 1012
el. 26.08

8+53.42 (1/3)
Δ. 1°-28'-40"
49.04
31.75
C17.29

8+27.63 = (1/3)
Δ. 0°-44'-20"
48.45
31.88
C16.57

8+01.84 = P.R.C.
Δ 2°-13'
48.12
32.00
C16.12

7+76.04 = (1/3)
1°-28'-40"
R 9897
Ch = 25.50
47.76
32.13
C15.63

10+11.83 = E.C.
53.59
30.95
C22.64

1/2 Δ = 12°-21'-15" (77°39' Inside at P.I.
Ext. Sec. = 2.06'

9+93.07 = (1/2)
53.25
31.04
C22.21

9+74.31 = B.C.
52.68
31.14
C21.54

9+50
51.73
31.26
C20.47

0.50%

9+25
51.01
31.38
C19.63

11+50		49.60 30.26 C 19.34		
11+25		51.48 30.38 C 21.10		
11 ~		52.58 30.51 C 22.07	"12+59.67	47.75 28.65 C 19.10
10+75	Sta.	53.19 30.63 C 22.56	12+31.33 = start 72" pipe	48.92 28.88 C 20.04
10+50		53.29 30.76 C 22.53	Type "D." 12+29 = Ctr. C.O.	
10+25		53.70 30.88 C 22.82		
			12+26.67 = End 60" Inch pipe	49.07 29.88 C 19.19
			12 ~	49.56 30.01 C 19.55
			11+75	49.21 30.13 C 19.08

				4570 26.73 C 18.97
13+75.76 = B.C.		48.58 27.72 C 20.86	15+00	
19.24				
13+56.47		48.74 27.87 C 20.87	14+75	4604 26.93 C 19.11
19.29				
13+37.17		48.43 28.02 C 20.41	14+50	4705 27.13 C 19.92
19.29				
13+17.87 = E.C.		48.20 28.18 C 20.02	14+25	4731 27.33 C 19.98
			PK PK 11 Rt Cut ½ 61 Rt ℄ 14+05.61 = E.C.	
13+02.95 (½)		47.95 28.30 C 19.65		47.48 ON LIP of 27.48 CURB C 20.00
90.5 R. - T. = 17.02			74.5 R. - T. = 13.14	
12+88.02 = B.C.		48.72 28.42 C 20.30	13+90.68 = (½)	48.24 27.60 C 20.64

16+50	4365 25.53 C 18.12	
16+25	4378 25.73 C 18.05	
16+00	4390 25.93 C 17.97	
15+75	4453 26.13 C 18.40	
15+50	4451 26.33 C 18.18	
15+25	4550 26.53 C 18.97	
18+00	4247 24.33 C 18.14	
17+75	4280 24.53 C 18.27	
17+50	4299 24.73 C 18.26	TP
17+48	Conc. Lug for 15" pipe	
17+25	4315 24.93 C 18.22	
17+00	4331 25.13 C 18.18	
16+75	4345 25.33 C 18.12	

	3800 22.03 C 15.97		
19+50			
	3882 22.47 C 16.35		
19+25			
	3963 22.92 C 16.71		
19+00			
	4046 23.36 C 17.10		
18+75			
	4129 23.80 C 17.49		
18+50 Brk			
	4175 24.13 C 17.62		
18+25 Brk			

		3478 19.83 C 14.95	Top 35.00 3478 F 0.22
20+75 =	Clean out. Str. Type "D"		
			35.00 27.70 F 7.30
20+72.67	End. pipe		
		3515 20.27 C 14.88	
20+50			
		3554 20.71 C 14.83	
20+25			
		3617 21.15 C 15.02	
20+00			
		3723 21.59 C 15.67	
19+75			

21+61.48 (1/3)	3224 18.30 C 13.94
21+43.25 = P.R.C.	3265 18.62 C 14.03
21+25.02 (1/3)	32.83 18.74 C 13.89 2 8 3
21+06.79 (1/3)	3345 19.26 C 14.19
20+88.50 B.C.	3372 19.59 C 14.13
~~20+77.32~~ start pipe	
23+00	21.88 15.85 C 11.03
22+75	2843 16.29 C 12.14
22+50	2919 16.74 C 12.45
22+25	3005 17.18 C 12.87
21+97.94 = E.C.	3105 17.66 C 13.39
21+79.71 = (1/3)	3145 17.98 C 13.47 1 4 6

			26+02.24 = B.C.	2536 13.92 ← C 11.44
24+50		2511 14.46 C 10.65	26+00	
24+25		2530 14.55 C 10.75	25+75	2553 14.02 C 11.51
24+00		2594 14.63 C 11.31	25+50	2560 14.11 C 11.49
23+75 = B+k.		2637 14.72 C 11.65	25+25	2600 14.20 C 11.80
23+50 = B+k.		2675 14.97 C 11.78	25+00	2601 TP 14.28 C 11.73 ≈ 5.5
23+25		2700 15.41 C 11.59	24+75	2545 14.37 C 11.08

		2582		2377	2366
		13.41	on ℄ →	12.88	12.88
27+50		C 12.41	29+00	C 10.89	C 10.78
			Near 12000V. Line		
				10.89	
		2591		700	2372
		13.50		C 3.89	12.97
27+25		C 12.41	28+75		C 10.75
		2463	28+50.08 = ℄ Vine to East.		2366
		13.58			13.06
27+00		C 11.05	28+50		C 10.60
		2532			2439
		13.67			13.15
26+75		C 11.65	28+25		C 11.24
		2587			2479
		13.75			13.23
26+51.54 = E.C.		C 12.12	28+00		C 11.56
		2575			2226
		13.83			13.32
26+26.89 = (½)		C 11.92	27+75		C 8.94

10/21/55

For setting Jacking Tails

14^{30} Ahead on tang produced. 11.33 / 12.40 / F 1.07

30+25.55 = ▫ on ℄ 11.43 / 12.45 / F 1.02

30+23.72 = B.C.
End Jacking.

Start Jacking
29+81^{27} = E.C. 12.60 ✓

29+70^{80} = ℄ 2213 / 12.63 / C 9.50

B.C. 30+23.72 2238 / 12.45 / C 9.93

29+60^{33} = B.C. 2237 / 12.67 / C 9.70

30+05.59 P.K. in Tie.

E.C. 29+81.27 2308 / 12.71 / C 10.37

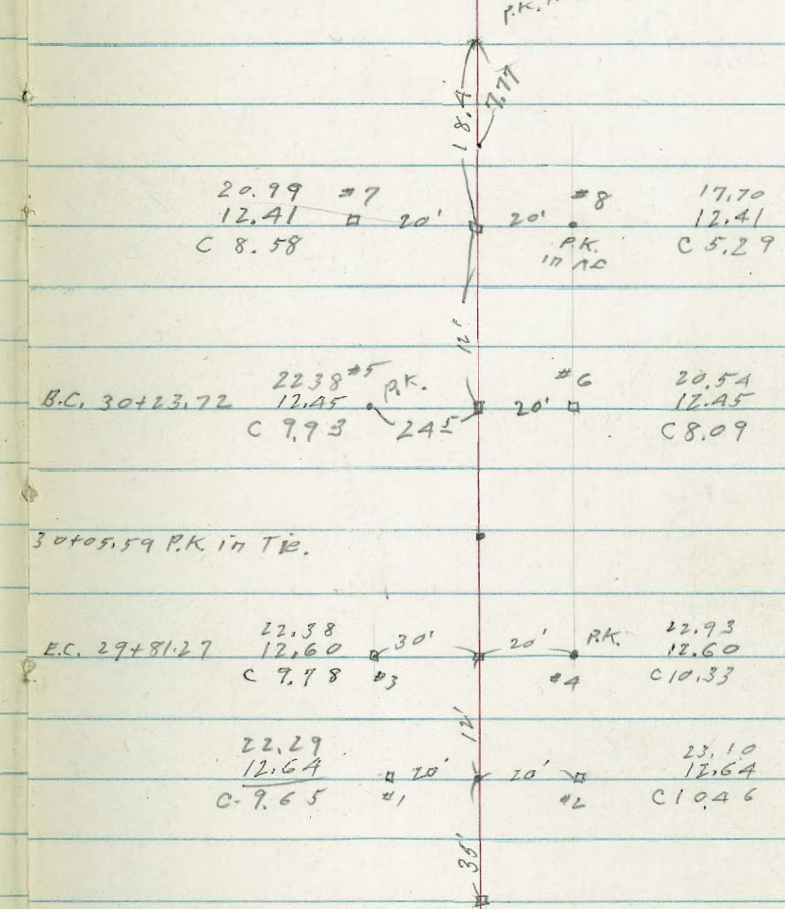
29+50 2351 / 12.80 / C 10.71

29+25 18.96 / 665 / 1231

Jacking Data.

29+81^{27} to 30+23.72

B.M. = ▫ on Signal base $\frac{2320}{24}$ = 24.03



(2°-1'45" sta. Chord 1456.39 Rad = 2577.21)

31+50		21.56	33+00		22.24
2°-01.20		12.01			11.53
		C-9.55	4°-59.70		C10.71
31+25		21.68	32+75		22.32
1°-31.45'		12.09	4°-29.95'		11.61
		C-9.59			C10.71
31+00		20.63	32+50		21.82
1°-01.70'		12.17	4°-00.20'		11.69
		C-8.46			C10.13
30+75		19.53	32+25		21.86
P.C. 0°-31.95		12.25	3°-30.45		11.77
		C-7.28			C10.09
30+48.15 = P.R.C.		19.10	32+00		21.73
		12.36	3°-00.70		11.85
		C-6.74			C9.88
30+35.95 = (1/2)		19.55	31+75		21.72
		12.48	2°-30.95		11.93
		C-7.07			C-9.79

			Clean out. 35+90 - Ctr. Type "E"	12' LT ↓	10.61
34+50		17.20 11.05 C 6.15	35+87 CF end 72" pipe		~~10.62~~
34+25		17.58 11.13 C 6.45	35+75		16.87 10.65 C 6.22
34+00		18.10 11.21 C 6.89	35+50		16.56 10.73 C 5.83
33+71 CF E.C C 0-25'		18.66 11.30 C 7.36	35+25		16.64 10.81 C 5.83
33+50 50-59.20'		19.11 11.37 C 7.74	35+00		16.89 10.89 C 6.00
33+25 50 29-45'		19.89 11.45 C 7.44	34+75		16.98 10.97 C 6.01

37+00
18.00
10.26
C 7.74

36+75
17.72
10.34
C-7.38

36+50
17.40
10.42
C-6.98

36+40 = ℄ Thorn

36+25
17.24
10.50
C 6.74

℄ Thorn

14' off

36+00
17.13
10.58
C-6.55

35+92.33 Start 78" pipe
16.57
~~10.60~~
C 6.27

38+50
20.30
9.78
C10.52

38+25
19.63
9.86
C-9.77

38+00
19.28
9.94
C 9.34

37+75
18.92
10.02
C 8.90

37+50
18.47
10.10
C 8.37

37+25
18.30
10.18
C-8.12

Chisel cross on signal base
14' Rt. of 40+50 = El. 26.57

40+00		26.10 9.30 C 16.80	41+25		25.91 8.90 C 17.01
39+75		25.18 9.38 C 15.80	41+00		25.56 8.98 C 16.58
			40+75		26.04 9.06 C 16.98
39+50		23.87 9.46 C 14.41			
			40+50		26.57 9.14 C 17.43
39+25		21.98 9.54 C 12.44	40+25		26.30 9.22 C 17.08
			40+		
39+00		21.58 9.62 C 11.96			
38+75		21.07 9.70 C 11.37			

42+75		27.12 8.42 C 18.70
42+50		27.07 8.50 C 18.57
42+25		26.92 8.58 C 18.34
42+00		26.68 8.66 C 18.02
41+75		26.45 8.74 C 17.71
41+50		26.15 8.82 C 17.33

Clean Out. AA+16 = Ctr. Type "E"	- page 20
AA+13.67 End 78" pipe	~~8.00~~ Page-20
AA+00	27.35 8.02 C 19.33
A3+75	27.55 8.10 C 19.45
A3+50	27.48 8.18 C 19.30
A3+25	27.39 8.26 C 19.13
A3+00	27.33 8.34 C 18.99

45+25			28.67 7.42 C 21.25	46+75			29.31 6.95 C 22.36
45+00			28.50 7.50 C 21.00	46+50			29.25 7.03 C 22.22
44+75			28.31 7.57 C 20.74	46+25			29.16 7.11 C 22.05
44+50			27.55 7.65 C 19.90	46+00			29.06 7.19 C 21.87
44+25			27.44 7.73 C 19.71	45+75			28.94 7.26 C 21.68
44+18.37 start pipe	84"	27.33 8.00 C 19.33	78" to N.W.	27.33 7.75 C 17.58	84" to S.E.	45+50	28.79 7.34 C 21.45

stakes at 44+16

48+25		3025 6.49 C 23.76	49+75		3038 6.02 C 24.31
48+00 ✓		3008 6.57 C 23.51	49+50		3035 6.10 C 24.25
47+75		29.96 6.64 C 23.32	49+25		3015 6.18 C 23.97
47+50		29.72 6.72 C 23.00	49+00		3033 6.26 C 24.07
47+25		29.56 6.80 C 22.76	48+75		3032 6.33 C 23.99
47+00		29.48 6.88 C 22.60	48+50		3042 6.41 C 24.01

51+25		30 21 5.56 C24.65	52+75		29 29 5.09 C24.20
51+00		30 02 5.64 C24.38	52+50		29 74 5.17 C24.57
50+75		29 82 5.71 C24.11	52+25		29 96 5.25 C24.71
50+50		30 05 5.79 C24.26	52+00		29 54 5.33 C24.21
50+25		30 13 5.87 C24.26	51+75		29 76 5.40 C24.36
50+00		30 26 5.95 C24.31	51+50		30 16 5.48 C24.68

54+25	28 45 4.63 C 23.82	55+25		4.32	27 60 4.34 C 23.26
			↑ etc 55+08		
54+00	28 65 4.71 C 23.94	55+00		4.40	2789 4.42 C 23.47
53+75	2884 4.78 C 24.06	54+86.33 = ctr. Type E.	B.C. C.O.		
53+50	2896 4.86 C 24.10	54+84.33 = B.C.		28 07 4.45 C 23.62	2784 23 2807
53+25	2919 4.94 C 24.25	54+75		28.20 4.47 C 23.73	
53+00	29 26 5.02 C 24.24	54+50		2826 4.55 C 23.71	

		2616			2385
		3.96			3.49
56+50	3.94	C 22.20	58+00	3.47	C 20.36
		2655			2425 TP
		4.04			3.57
56+25	4.02	C 22.51	57+75	3.55	C 20.68
		2710			2461
		4.11			3.65
56+00	4.09	C 22.99	57+50	3.63	C 20.96
					2506
55+			57+25	3.71	3.73
					C 21.33
		2710			2548
	4.17	4.19			3.80
55+ 75		C 22.81	57+00	3.78	C 21.68
0.31%					
		2730			2583
	4.24	4.26			3.88
55+ 50		C 23.04	56+75	3.86	C 21.95

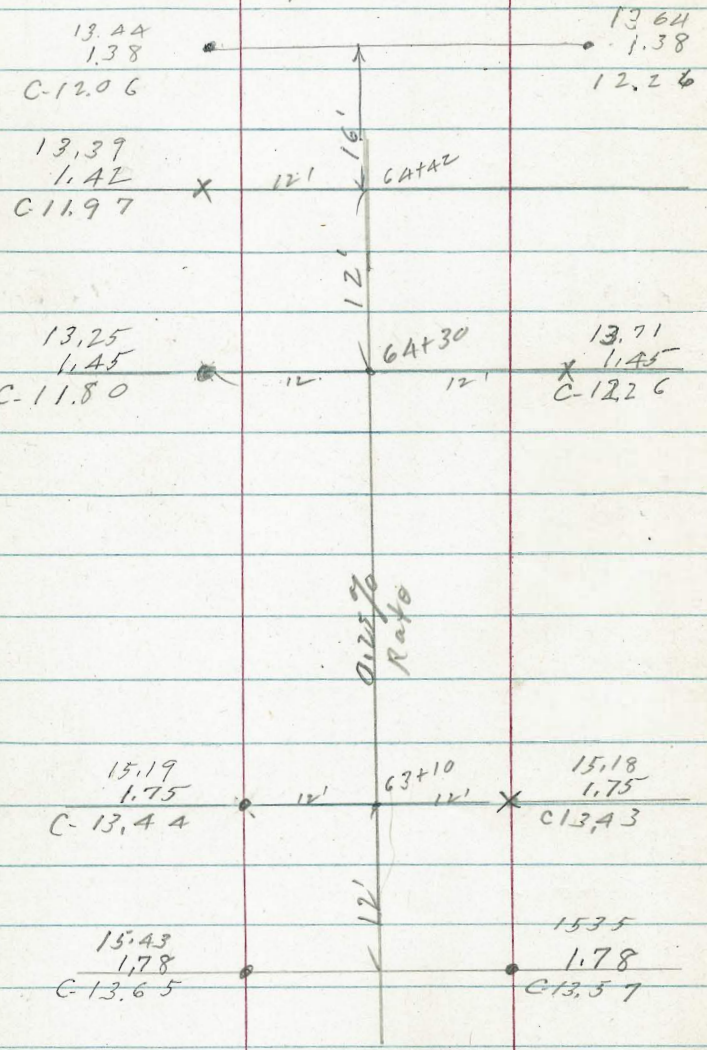
		2173 3.03			1996 2.66
59+50		3.01 C 18.70	60+64.09 (3/5)		C 17.30
		2199 3.11			2085 2.72
59+25		3.69 C 18.88	60+45 = (3/5)		C 18.13
		2238 3.18			2043 2.78
59+00		3.16 C 19.20	60+25.91 (1/5)		C 17.65
			ch = 19.05 6° 21.5'		
		2267 3.26		2179	2060
58+75		3.24 C 19.41	60+06.82 = P.C.C.	Lt 2.84 C 18.95	2.84 Rt C 17.76
		2307 3.33			2193 2.86
58+50		3.31 C 19.74	60+00	2.86	C 19.07
		2339 3.41			2146 2.96
58+25		3.39 C 19.98	59+75	2.94	C 18.50

63+10 to 64+30 — See page 27 To be jacked

62+00		17.74 2.20 C 15.54		
61+75		18.57 2.30 C 16.27	Start of Jacking 63+10	1.75 ✓
61+50		18.73 2.40 C 16.33	63+00	62+98 ✓ 1.80
61+25		19.31 2.50 C 16.81	62+75	15.75 1.90 C 13.85
=61+12.13 Ahead. 61+02.26 E.C. (4/5)		19.61 2.54 C 17.07	62+50	16.24 2.00 C 14.24
60+83.19 (4/5)		19.76 2.60 C 17.16	62+25	17.01 2.10 C 14.91

Sta. 63+10 to Sta. 64+30

Jacking Data.



B.M. = Nail in ℄ wly end of south Bottom stringer El. 1.68 11-9-55

64+49 ℄	0.24 1.40 F 1.16	wly pipe
64+43.9	0.48 1.42 F 0.94	Ctr. pipe
64+39 ⊥	0.50 1.43 F 0.93	Ely. pipe

64+30 = End Jacking El. = 1.43

		1200
66+25		−0.65
		C 12.65
	1312	
65+00.41 ¼=E.C	0.40	
	C 12.72	
		1222
66+00		−0.44
		C 12.66
	1321	
64+89.94 ¾	0.58	
	C 12.63	
		1243
65+75		−0.23
		C 12.66
	1333	
64+79.48 ¼	0.77	
	C 12.56	
		1259
65+50		−0.02
		C 12.61
	1334	
64+69.02 ¼	0.96	
	C 12.38	
		1287
65+25		0.19
		C 12.68
	1339	
64+58.56 = B.C.	1.15	
	C 12.24	
	Clean out.	1300
65+10 = Ctr. Type "E"		0.32
		C 12.68
64+30	1.45	
End Jacking		
	13.41	
	13.39	
	12.39	

C7+40.76 = E.C.	1062 −1.64 C12,26	
67+22.74 (1/3)	1079 −1.48 C12.27	
67+04.73 1/3	1108 −1.33 C 12,41	
66+86.72 = B.C.	1127 −1.18 C 12,45	
66+75	1145 −1.08 C 12,53	
66+50	1172 −0.87 C 12.59	
68+75	821 −2.78 C 10.99	
68+50	867 −2.57 C 11,24	
68+25	900 −2.35 C 11,35	
68+00	960 −2.14 C 11,74	
67+75	1020 −1.93 C 12,13	
67+50	1047 −1.72 C 12,19	

				594
69+96.77 = E.C.	692			-6.53
	-4.00	71+25		C 12.47
	C 10.92			
				588
69+79.76 2/3	695		BRK.	-6.15
	-3.80	71+00		C 12.03
	C 10.75			
				611
69+62.75 1/3	721			-5.63
	-3.59	70+75		C 11.74
	C 10.80			
				635
69+45.74 = B.C.	728			-5.11
	-3.38	70+50		C 11.46
	C 10.66			
				660
69+25	751			-4.59
	-3.20	70+25		C 11.19
	C 10.71			
				676
69+00	791			-4.07
	-2.99	70+00		C 10.83
	C 10.90			

Top 16" + 1.30 west hole
+ 1.41 East hole

72+25	5.14 −8.12 C 13.26	
72+00	5.29 −7.72 C 13.01	
71+75	5.55 −7.33 C 12.88	
71+71.81 = E.C.	5.64 −7.28 C 12.92	
71+56.82 ½	5.68 −7.05 C 12.73	
71+41.84 = B.C.	5.76 −6.81 C 12.57	
73+75	−9.21	3.96 −8.91 C 12.87
+55 73+50	−9.18	4.10 −8.91 C 13.01
73+25	−9.14	4.41 −8.91 C 13.32
+02 73+00 Brk	−9.10	4.62 −8.91 C 13.53
+84 72+75 Brk		4.80 −8.91 C 13.71
72+50 ✓		5.03 −8.51 C 13.54

1A' offset

See plan. ~~74+83 : C.O.~~	1 2	-9.37	76+00	3.67 -9.55 C 13.22	
74+			75+75	3.41 -9.51 C 12.98	set at ↓ -8.91
74+75		3.85 9.36 -8.91 C 12.76	75+50	3.58 -9.48 C 13.06	-8.91
+53 74+~~50~~		3.88 -9.33 -8.91 C 12.79	75+25	3.69 -9.44 C 13.13	3.68 -8.91 C 12.59
+35 74+~~25~~		4.17 -9.29 -8.91 C 13.08	75+00	-9.40	3.70 -8.91 C-12.61
74+00		3.82 -9.25 -8.91 C 12.73			

1040 Rad. Rate = 1.65276'

	stakes 12' Lt. of ℄		stakes 12' Lt. of ℄	stakes 12' Rt. of ℄
#1 77+21.27 1/6 4°-56'-40"	3.52 −9.73 C 13.25	= 78+02.14 Ahead } ℄ 78+05.55 Back }		3.14 −9.85 C 12.99
		77+90± 5' Rt. EL. top of 16" (W) C −0.30		
77+06.43 B.C.	3.60 −9.70 C 13.30	#6 77+95.49 = (PI) E.C. 29°-40'	3.03 −9.83 C 12.8 C	3.90 −9.83 C 13.73
Cont. on Page 47				
	#4 offset ~~−9.70~~	#5 77+80.64 5/6 24°-45'-20"	3.58 −9.81 C 13.39	
77+00				
76+75	3.52 −9.66 C 13.18	#4 77+65.80 4/6 19°-46'-40"	3.43 −9.79 C 13.22	
76+50	3.53 −9.62 C 13.15	#3 77+50.96 3/6 14°-40'	3.40 −9.77 C 13.17	
76+25	3.61 −9.58 C 13.19	#2 77+36.11 2/6 9°-53'-20"	3.42 −9.75 C 13.17	

74' Rad. Ch. = 127.75'
= 14.82
= 16.88
98

79+20		3.99 -10.02 C14.01
79+00		3.83 -9.99 C.13,82
78+80		3.74 -9.96 C13,70
78+ CL 78+60		1.91 -9.93 C11,84
78+45	Vault. = -5.57 El. floor telephone	
78+40		2.40 -9.90 C12.30
78+20		2.98 -9.87 C12.85

80+40		193 -10.20 C12.13
	on 12' Rt. offset. Line 80+33.40 = P.O.T. Cross on wall	
80+20		3.64 -10.17 C13.81
80+00		3.73 -10.14 C13.87
79+80		3.73 -10.11 C13.84
79+60		3.81 -10.08 C13.89
79+40		3.84 -10.05 C13.89

81+40

2.18
−10.35
C12.53 set at C12.59

81+33½ = ℄ Harbor Dr. ←

2.36
−10.34
C12.70

set at −10.64 →

81+20

1.88
−10.64
C12.52

1.98 set at
−10.32
C12.25 C-12.34

End of Pipe.
82+24

0.50
−10.48
C10.98

Laid in at −11.05
T.E. checked 11/29/55

81+00

2.09
−10.64
C12.73

2.12
−10.29
C12.41

82+16 on wall

1.92
−10.47
C-12.19

80+80

1.21
−10.69
C11.85

1.24
−10.26
C-11.50

81+80

1.20
−10.41
C11.61

= 80+67.73 Ahead.
New Sta 80+90.90 back

80+60

1.95
−10.23
C12.18

81+60

1.44
−10.38
C-11.82

Calif. St. Drain
Thru Convair.

stakes 12' Rt of ℄

1+25	5.78 − 3.58 C-9.36		2+75	5.01 − 3.41 C 8.42	
1+00	5.51 − 3.60 C-9.11		2+50	5.04 − 3.44 C 8.48	
0+75	5.24 − 3.63 C-8.87		2+25	5.47 − 3.47 C, 8.94	
0+50	A.92 − 3.66 C-8.58	0.11 3%	2+00	5.75 − 3.49 C-9.24	
0+25	4.68 − 3.68 C. 8.36		1+75	5.95 − 352 C-9.47	
0+00	4.31 − 3.70 C 8.01		1+50	5.99 − 3.55 C.9.54	

Existing Box
See sheet 2755-D

4+17.45 P.o.t. 12' offset 5.65

4+25	5.68 -3.25 C 8.93	
4+00	5.63 -3.27 C 8.90	
3+75	5.35 -3.30 C 8.65	
3+50	5.23 -3.33 C 8.56	
3+25	5.10 -3.36 C 8.46	
3+00	5.13 -3.38 C 8.51	
5+75	6.27 -3.08 C 9.35	
5+50	6.11 -3.11 C 9.22	
5+25	5.95 -3.14 C 9.09	
5+00	5.86 -3.16 C 9.02	
4+75	5.77 -3.19 C 8.96	
4+50	5.71 -3.22 C 8.93	

7+00 ℄ = 7.12

7+25	7.21 - 2.92 C10.13	
7+00	7.08 -2.94 C 10.02	
6+75	6.95 - 2.97 C-9.92	
6+50	6.72 - 3.00 C 9.72	
6+25	6.47 - 3.03 C-9.50	
6+00	6.38 - 3.05 C 9.43	

8+66 = Ctr. Type "B" Cleanout	- 2.75	
8+50	8.05 - 2.77 C 10.82	
8+25	7.79 - 2.80 C 10.59	
8+00	7.55 - 2.83 C 10.38	
7+75	7.33 - 2.86 C 10.19	
7+50	7.21 - 2.89 C 10.10	

9+50	7.96 -2.65 C 10.61		11+00	7.99 -2.49 C 10.48	
9+29.19 E.C. 16°-17'-37.5"	7.94 -2.68 C 10.62		10+75	8.31 -2.52 C 10.83	
9+16.40 3/4 12°-13'-30"	7.94 -2.69 C 10.63		10+50 ~~10+50~~	8.46 -2.55 C 11.01	
9+03.60 3/4 8°-09'	8.03 -2.71 C 10.74		10+25	8.38 -2.58 C 10.96	
8+90.80 1/4 4°-04'-30"	8.20 -2.78 C 10.93		10+00	8.22 -2.60 C 10.82	
8+78 = B.C.	8.28 -2.74 C 11.02		9+75	7.89 -2.63 C 10.52	

chord = 12.79

12+50		8.14 -2.33 C 10.47		℄ Nail EL: 7.90	
12+25		7.80 -2.36 C-10.16	14+00		7.83 -2.16 C 9.99
12+00		7.56 -2.38 C 9.94	13+75		7.76 -2.19 C-9.95
11+75		7.72 -2.41 C10.13	13+50		7.75 -2.22 C-9.97
11+50		7.87 -2.44 C10.31	13+25		7.85 -2.25 C-10.10
11+25		7.80 -2.47 C-10.27	13+00		8.00 -2.27 C 10,27
			12+75		8.23 -2.30 C 10.53

clean out
15+45 = Ctr. Type "B"

9.80
7.82
- 1.98

15+25 — 7.82 − 2.04 = C 9.8 6

7.76 ← Pipe 0.06 low.
− 2.04
C 9.8 0

15+00 — 8.03 − 2.07 = C 10.10

14+75 — 7.95 − 2.09 = C 10.0 4

14+50 — 8.20 − 2.11 = C 10.31

14+25 — 7.95 − 2.14 = C 10.09

□ Foot of ladder Bldg. #4
15'± west of P.I. EL. = 8.57

16+37.41 ℄ — 14°-52'-40"
8.11 − 1.91 = C 10.02

16+26.24 ℄ — 7°-26'-20"
8.12 − 1.92 = C 10.04

16+15.08 B.C.
8.07 − 1.93 = C 10.00

16+00
7.96 − ~~1.95~~ 1.94 = C 9.90

15+75
7.84 − ~~1.98~~ 1.96 = C 9.80

15+50
7.83 − ~~2.01~~ 1.97 = C 9.80

17+25
8.34
-1.80
C 10.14

17+00
8.30
-1.83
C-10.13

=16+81.23 Ahead
16+82.07 Back E.C.
44°-38'
8.25
-1.85
C 10.10

16+70.90 5/6
37°-11'-40"
8.27
-1.87
C 10.14

16+59.74 4/6
29°-45'-20"
8.28
-1.88
C 10.16

16+48.57 3/6
22°-19'
8.14
-1.89
C 10.03

43'R. Chord = 11.13
33'R. " = 8.55

18+75
8.60
-1.62
C 10.22

18+50
8.48
-1.66
C 10.14

18+25
7.59
-1.69
C 9.28

18+00
8.02
-1.72
C 9.74
X 10' Rt

17+75
7.98
-1.74
C 9.72

17+50
8.08
-1.77
C 9.85

			20+50	8.66 -0.95 C-9.61	12' Rt
18+97 = Ctr. Type "H"	Clean out. "H"	8.68 -1.12 C 9.80	20+25	8.78 -0.98 C-9.76	12' Rt
			20+00	8.98 -1.01 C 9.99	10' Rt
18+	start 36" pipe		19+75	8.90 -1.03 C-9.93	
18+83 = Ctr. Type "B"	C.O. "B"	8.54 -1.63 in C 10.17	8.54 -1.13 out C-9.67	19+50	8.65 -1.06 C-9.71
18+	End 42" pipe		19+25	8.65 -1.09 C9.74	

22+00		8.54 -0.79 C. 9.33	C.O. 23+06± ctr. Type "H"	-0.67 in -0.17 out
21+75		8.55 -0.81 C. 9.36	23 End 36" pipe	
21+50		8.54 -0.84 C. 9.38	23+00	8.85 -0.68 C. 9.53
21+17.76 = Δ 1°05' Rt.	℄ 8.42	8.45 -0.87 C. 9.32	22+75	8.68 -0.70 C. 9.38
21+00		8.46 -0.89 C. 9.35	22+50	8.61 -0.73 C. 9.34
20+75		8.53 -0.92 C. 9.45	22+25	8.60 -0.76 C. 9.36

24+16 ~~24+20~~		8.57 -0.04 C 8.61	8.51 10' Rt -0.04 C 8.55	
24+02 ~~24+00~~	10' Lt.	8.80 -0.06 C 8.86	8.77 10' Rt -0.06 C 8.83	
23+75			8.99 -0.09 C 9.08	
23+50			9.10 -0.12 C 9.22	
23+25			9.05 -0.14 C 9.19	
23+	Start 30" pipe			

℄ A.K. = 8.18 El.
End of line.

24+39.5 = Ctr. Type "G" cleanout

8.72
-0.02
C 8.74 10' Rt.

From page 33

Dw. Rate = 1°58'41"
Grade = 0.2472%
#1 A = 22.44
98' Rad. ch. = 25.50

79+00	0.85
1°-48.44'	-10.18
	C 11.03
78+75	2.20
1°-08.73'	-10.12
	C 12.32
78+50	3.20
0°-29.02'	-10.06
	13.26
78+31.73 = PCC.	3.57
29°-54 #4	-10.01
	C 13.58
78+09.29 #3	3.29
22°-25'-30"	-9.96
	C 13.25
77+86.85 #2	3.97
14°-57'	-9.90
	C 13.87
77+64.41 #1	4.27
7°-28'-30"	-9.85
	C 14.12
77+41.97 = New B.C.	4.15
+35.54	-9.80
	C 13.95
77+06.43 = old B.C.	-9.71
77+09	2.36 1.64 7.66
Top of Pile	.4 to 1.64 -9.30

= 80+67.73 Ahead P-35
80+90.90 E.C.

	-10.64
80+81.04	-10.62
80+71.17 P.R.C.	1.44
6°-20.33'	-10.59
	C 12.03
80+50	3.67
5°-46.70'	-10.54
	C 14.21
80+25	3.61
5°-07'	-10.48
	C 14.09
80+00	3.64
4°-27.28	-10.42
	C 14.06
79+75	3.63
3°-47.57'	-10.36
	C 13.99
79+51.45 Mid Curve	3.75
	-10.30
	C 14.05
79+50	-10.30
3°-07.86'	
79+25	3.76
2°-28.15'	-10.24
	C 14.00

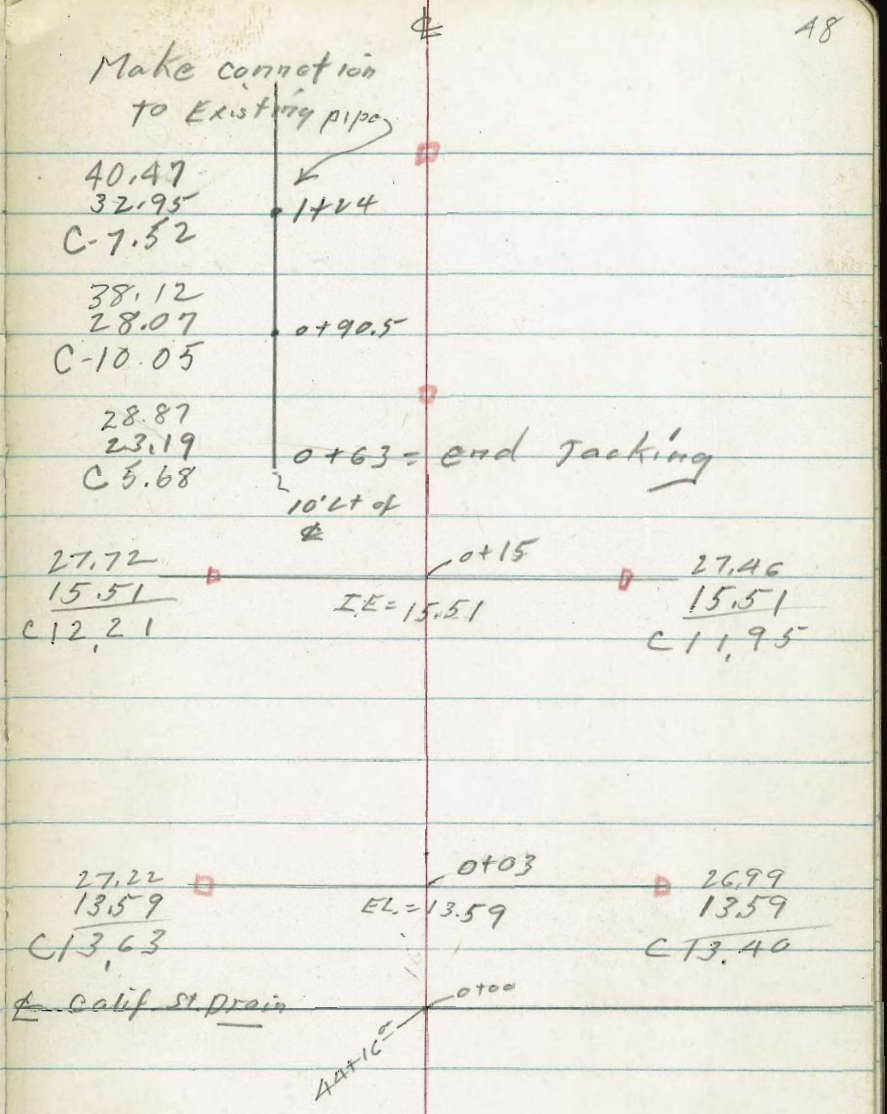
Spruce St. Line
Sheet 2750-D.

℄ 78" drain = Ctr. C.O. = 0+00 Spruce.

0+15 = start of jacking

EL. 0+04 = 13.75. This = inside wall of C.O.

EL. 1+24 = 32.95 (16% for 120')



IN Thorn Street line 1/3/56
sheet- #2750-D

Set. B.M. in Pole # P3410 EL = 14.94

14.24
15.50
F 1.26

□ 12'

0+64
End pipe
℄ = Face of
Head wall

12' □
7.28
15.50
C 1.78

• 0+27.05 = P.K. in S/y
side of Tie

21.65
14.70
C 6.95

□ 12'

0+16
start Jacking

12' □
21.72
14.70
C 7.02

8.44
14.50
C 3.94

□ 12'

12' □
8.12
14.50
C 3.62

0+04 = start pipe

3.5+90 1½"

0-14 = stub.

North of Titus St 1/3/56
west of Mission Hills Blvd.

sheet # 2754-D.

0+00 = Nly. End 60" Existing pipe.
(I.E. = 86.75±)
(80' 30" pipe)

0+80 End pipe	92.67 89.60 C 3.07	
0+60	93.86 88.95 C 4.91	N. 5° 25' Rt.
0+40	93.85 88.30 C 5.55	N. 5° 7 Rt.
0+20	92.80 87.65 C 5.15	N. 6.35 Rt
0+00 = Δ 3° Rt.	5.66 86.99 C 8.67	N 3' Rt

North of Kettner Blvd
west of Mission Hills Blvd. 1/3/56

sheet # 2754-D. 3L = 84.74

0+63.6 = Sly end existing 60" pipe
(63.6' - 30" pipe)
stakes 8' Right.

existing 60" pipe.

0+63.6 = Meet	4.74 84.74 Meet
0+39.6 = E.C.	9.34 84.28 C 5.06
S.T. = 15.96 Ext. = 1.50 0+23.8 = Mid Curve. Δ = 20°	9.26 83.97 C-5.29
0+08 = B.C. Rt	8.87 83.66 C-5.21
0+00 = start pipe in Kettner Blvd. Δ 30° Rt.	87.21 83.50 C 3.71
0-47 = T Lt. ±	83.66

A.C. drive Thru auto court

INDEXED

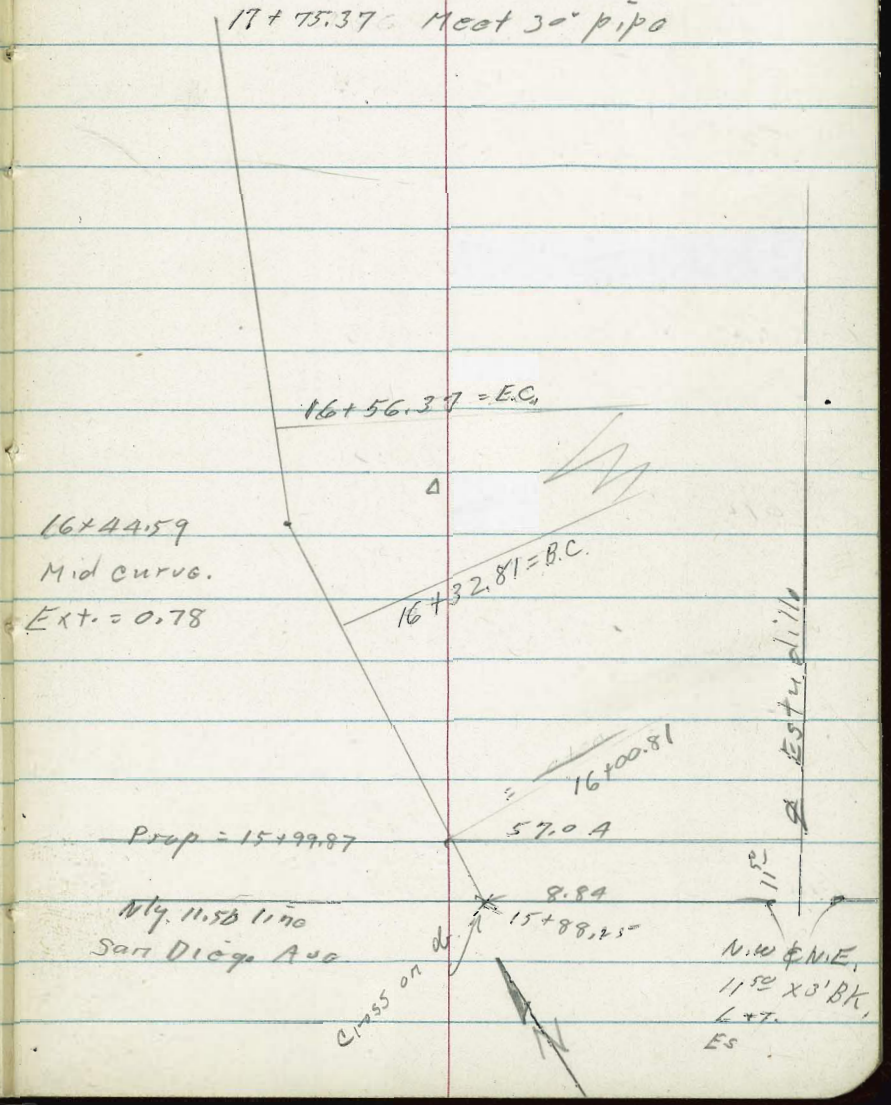
1957

1/4/56

Prop west of Estudillo St. & North of San Diego Ave.

Sheet 2756-D.

30" Meet Existing = 17+75.37	92.78 ~~91.74~~	7.77 92.78 C 4.99	8'LT
(23.44)			
17+51.93	4.68 ~~88.38~~	4.68 88.90 C-5.78	8'LT
(23.43)			
17+28.50 Brk	2.67 85.02 C-7.65		8'LT
(8')			
17+20.50 Brk	2.15 83.98 C-8.17		8'LT
(8')			
17+12.50 Brk	1.76 83.10 C-8.66		11'LT
(28.06)			
16+84.43	9.21 80.57 C-8.64		12'LT
(28.06)			
16+56.37 Brk E.C.	7.51 78.05 C-9.46		15'LT
16+44.59 Mid curve	6.27 76.99 C-9.28		15'LT
16+32.81 Brk B.C.	5.51 75.93 C-9.58		12'LT
(32')			
16+00.81	8.91 73.05 C-5.86		10'LT



Drain at Calif., San Diego and Sutherland
2754-D

		6082 56.00 ± C 7.82
1+87.3 Make conn.		
0+89.3 Edge Box		
		6312 56.17 C 6.95
1+61.3	6620 56.83 C 9.37	
0+65.3 BRK		
		6547 56.35 C 9.12
1+35.3 PRC	6618 57.00 C 9.18	
0+57.3 BRK		
		6569 56.46 C 9.23
1+20.3 Mid pt.	6635 58.11 C 8.24	
0+29.65		
		6596 56.56 C 9.40
1+05.3 BC		
0+02 Edge Box		
		6603 56.66 C 9.37
0+91.3 cb Face San Diego	6723 59.21 C 8.02	
0+00 cb Line Calif		

Walnut St. Drain 3/23/56

Walnut St. to Kettner Blvd

B.M. = Cut stakes on Calif. St Drain

4112 53
S.Ely Cr

1+50	33.25 25.51 C 7.74			
1+25	32.43 23.51 C 8.92	3+32 = C.I.		41.72 37.00 C 4.72
0+91	30.76 20.79 C 9.97	2+98.75		41.33 36.68 C 4.65
0+75	30.42 19.70 C 10.72	2+65 E = C.O.	40.29 34.75 C 5.54	40.73 36.36 C 4.37
0+59	29.70 18.78 C 10.92	2+50	36.44 33.51 C 2.93	
0+31	27.90 17.46 C 10.44	+25	35.39 31.51 C 3.88	
0+03	26.47 16.15 C 10.32	2 —	34.88 29.51 C 5.37	
0+00 = ℄ 72"		1+75	34.22 27.51 C 6.71	

Chalmers St. drain
California St to Kettner Blvd
Sheet # 2752-D. 4-3-56

stakes 8' Lt. of ℄
℄ Calif. St. drain : 0 - 00

1+40.50	44.22 37.14 C-7.08		
0+98.25	42.03 34.52 C-7.51		
0+50	38.86 31.90 C-6.96		
0+48	38.11 31.22 C-6.89		
0+40	37.16 30.36 C-6.80		
0+00	~~25.30~~	35.10 25.00 C-10.10	
2+27½ = Ctr. C.O.			
2+25 = end pipe			48.62 42.38 C-6.24
1+82.75			47.10 39.76 C-7.34

Drain
Sutherland St.
at Moore
5-4-56
Sheet 2748-D

to Existing 30"
Make Conn.
0+58.53

52.19
47.00 ±
C 5.19

0+20 ℄ = E.C.

48.40
42.19
E 6.21

0+00 = Existing drain
(New Const.)

39.00
New Elev set
by ?

Sewer — Silvergate

S. of Pio Pico

3|10' 8" line

5/25/56

2+50	308.76 295.96 C 12.80	Lat #2 (1+52±)	302.93 293.84 C 9.09
2+00	306.13 294.36 C 11.77	Lat #1 (3+22±)	12.75 298.78 C 13.97
1+50	303.52 292.76 C 10.76		
1+00	301.04 291.16 C 9.88		
0+50	98.89 289.58 C-9.31	3+10 = M.H. #1	11.99 297.88 C 14.11
0+00	96.77 287.98 C-8.79	3+00	11.50 297.56 C 13.94

0+00 = M.H. North of Pio Pico.
Exist M.H. Sheet 60A6-B

W.O.# 25020

Obs- San Diego Ave

Trias 5-28-56

N. Ely. Cor. - (138' along S.D. Ave.)

sheet 3306-L

" 3305-L

" - T.A 521.

Plans O.K. For line. - N.G. for grade. Met existing Impts.

stakes - 3' outside of ch. face

	Exist pave.	ch. Gr.
1+38	49.52	49.55 50.12 F 0.57
1+03.5	50.27	0.42 50.97 F 0.55
0+69	51.22	1.27 51.82 F 0.55
0+34.5	51.95	52.04 52.67 F 0.63
0+00 Existing ch. E.C.	52.79	52.94 53.52 F 0.58 Meet.

Alley Blk 30 - O. B. W.O. 3174A
6-28-56
SUNSET CLIFFS -
between Capa May & Saratoga.

0+00 = Wly. line Ebers. (Sheet 3128-D)

		Lt. South	Rt North	
1+80	□-1'	6.52 35.73 C 0,79	5.97 35.43 C0.54	□-2'
1+60 P.O.C.	N. line	7.00 36.22 C0.78	6.33 35.92 C 0.41	□-2'
1+25	N.-35	7.84 37.02 C0.82	7.00 36.72 C0.28	□ 2'
0+90	□-2	8.14 37.82 C0.32	8.77 37.52 C 1.25	N-0.35 8.13 C-.2
0+55	X-2'	9.12 38.62 C0,50	8.60 38.32 C0,28	□-2
0+20	N-.85	40.60 39.42 C-1,18	40,04 39.12 C0,92	N. Line
0+00		39.82 ✓	39.77 ✓	

B.M. = S.Wly. B.P. Capa May.
℄ Ebers. Elev. = 36.42

58

		Lt.	Rt	
3+80 E.V.C.	□-2'	9.87 29.76 C0.11	30.70 29.46 C1,24	N.-0.40
3+60	X-2'	0,79 30,23 C 0.56	0,21 29.93 C 0,28	□-2'
3+40	□ 2'	1,02 30,77 C0,25	0.60 30,47 C0.13	□-6'
3+20 P.V.C.	N-0.60	1,28 31.40 C0.88	1.55 31.10 C0.45	X-5'
2+80 33.35	N-1'	3,86 32.70 C 1.16	2,96 32.40 C0,56	X-2' 33.05 C0,18
2+40 E.V.C.	N-1'	5.45 33.99 C1,46	3,94 33.69 C0,25	□ 2'
2+20	X-2'	5.04 34.62 C0,42	4.68 34.32 C0.36	□ 2'
2+00	□ 2'	5,28 35,20 C0,08	6.46 34,90 C 1,56	□ 2'

Alley Blk. 30. O.B.

		Lt.	Rt.		
Cliffs Hyline Sunset					
6+00±		25.05 ✓	24.98 ✓		
	C. 26	□-0.60			
5+56	25.99	~~X-050~~	~~6.42~~ 6.21	X-3'	6.11
	C0.27		~~25.99~~ 25.88	~~X-2'~~	25.88
			~~C0.43~~ C0.33		C0,23
			~~7.00~~ 6.88	X-2.50	6.86
5+12		□-2'	26.93 26.78	~~□X'~~	26.78
			C0.07 C0.10		C0.08
			7.79 7.75		
4+68		□-2'	27.87 27.67	X-2'	
		8.3 A	F0.08 C0.08		
			8.74 8.68		
4+24		□-2'	28.81 28.57	X-2'	
			C0.13 C0.11		

Ebey Blk 29 - Ocean Beach

6-28-5C

Ebers to Sunset Cliffs Blvd. W.O.# 31744

Between Brighton & Cape May.

Sheet 3127-D

B.M. = SWly. B.P. Cape May & Ebers - Elev. = 36.42

0+00 = wly line Ebers.

	1+20 E.V.C.	N-0.67'	1.91 30.85 C 1.06	1.03 30.55 C 0.48	N-1.30'	4+20 N-1.30	9.21 27.98 C 1.23	8.63 27.68 C 0.95	□-2'
						3+80 N-0.12	9.27 28.26 C 1.01	7.38 27.96 C 1.42	N-0.13'
						3+40 □-1'	8.65 28.54 C 0.11	9.65 28.24 C 1.41	N-0.15'
6	1 ~	N-0.20	2.83 31.27 C 1.56	0.87 30.97 F 0.10	□-2'	3+00 □-2'	9.04 28.82 C 0.22	9.44 28.52 C 0.92	N-0.20
5	0+80 P.O.C.	N-0.52'	3.01 32.00 C 1.01	1.50 31.70 F 0.20	□-2'	2+60 Brk. □-1'	9.35 29.10 C 0.25	8.94 28.80 C 0.14	□-2'
5	0+50	X-2'	3.07 33.32 F 0.25	2.60 33.02 F 0.42	□-2'	2+40 Brk. □-1'	9.18 29.30 F 0.12	9.50 29.00 C 0.50	□-2'
4	0+20 (Mean 19.38)	□-2'	4.78 34.65 C 0.13	3.83 34.35 F 0.52	□-2'	2+00 □-2'	9.92 29.82 C 0.10	29.52	
1	0+00		35.28 ✓	35.23 ✓		1+60 N-0.30'	1.24 30.34 C 0.90	1.04 30.04 C 1.00	N-0.68

Alley Blk. 29 - O.B.

Sunset Cliffs Ely. line				
6+00		25.02	25.04	
5+80	N. 0.30	7.79 26.01 C 1.78	6.20 25.87 C 0.33	0-2'
5+60 N-1.48	N-.48'	7.79 26.79 C 1.00	6.25 26.53 F 0.28	0-2
5+40 P.O.C.	0-2'	7.48 27.14 C 0.34	6.77 26.84 F 0.07	0-2'
5+00	N-1.60	7.82 27.42 C 0.40	8.24 27.12 C 1.12	N-.75
4+60	N-1.35	8.90 27.70 C 1.20	8.49 27.40 C 1.09	0-2'

132.64

INDEXED

APR 10 1957

High Ave. 6-29-56

W.O.# 31141

Sheet 12699-L

Torrey Road to Virginia Way.

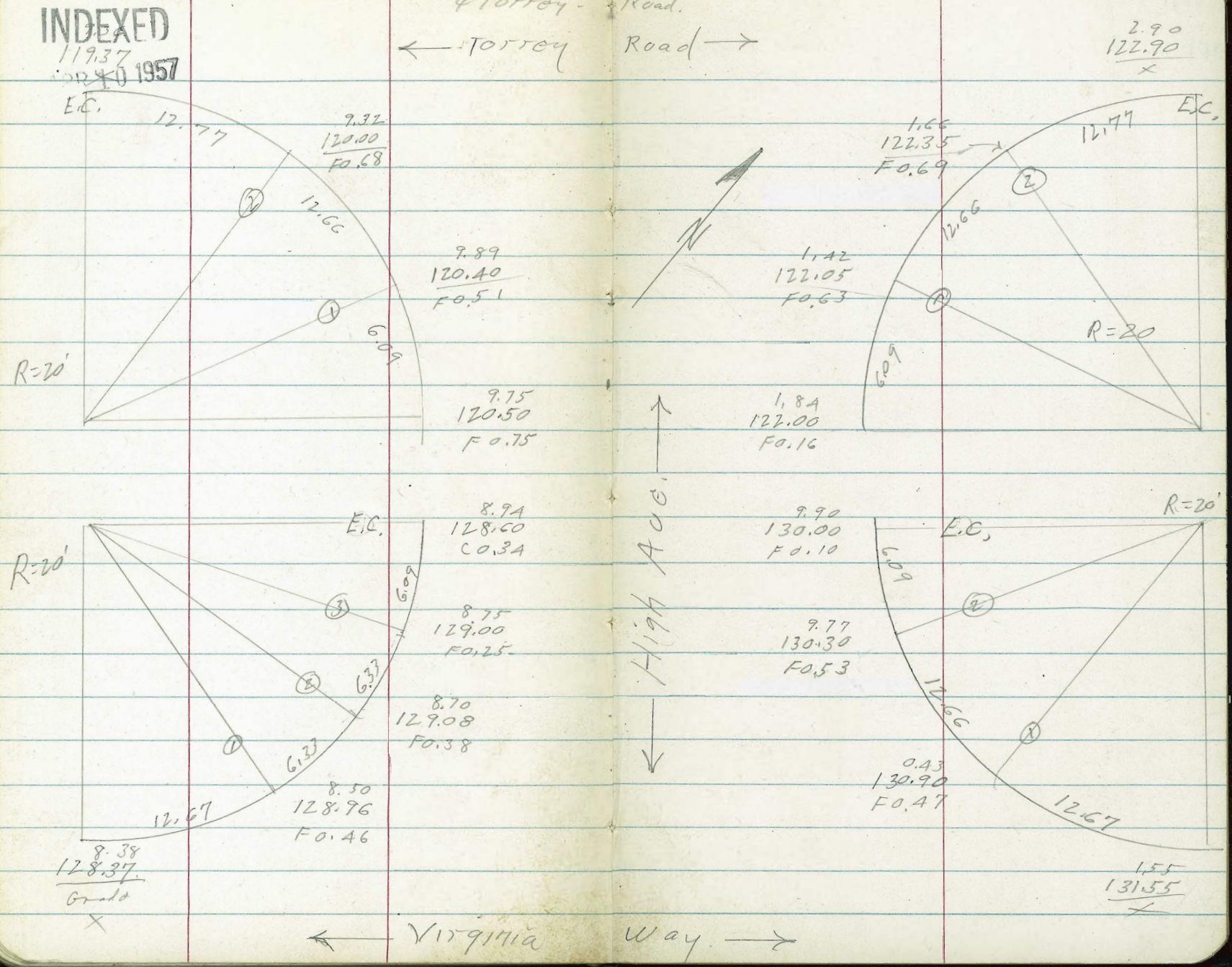
62

		wly. Rough Grade	wly. Curb	Easly. Curb	Easly. Rough Grade	
1+40	Alley cl. E.C.		1.52 121.69 F0.17	3.00 123.19 F0.19		
1+37	Alley cl. B.C.		1.52 121.75 F0.23	3.00 123.24 F0.24	~~123.1~~	
1+20		0.96 122.35 F1.39	2.29 122.35 F0.06	3.50 123.85 F0.35	4.91 123.85 C1.06	
1+00		2.40 123.33 F0.93	3.45 123.33 C0.12	4.59 124.83 F0.24	529 124.83 C0.46	
0+60		4.40 125.56 F1.16	5.66 125.56 C0.10	7.11 127.06 C0.05	7.90 127.06 C0.84	
0+20		5.23 127.80 F2.57	8.31 127.80 C0.51	9.56 129.30 C0.16	1.13 129.30 C1.83	D V in
0+06=	cl. E.C.	7.48 128.60 F1.12	8.74 128.60 C0.34	7.90 130.00 F0.10	1.45 130.00 C1.45	D V in
0+00=	Nly line Virginia Way.					

⊙ = prop. pipe

		W/y Rough Grade	W/y curb	E/y curb.	E/y Rough Grade	
2+94 = ℄ B.C.	0.1' in	9.50 120.50 F 1.00	9.75 120.50 F 0.75	1.84 122.00 F 0.16	4.02 122.00 C 2.02	
2+70		29.12 130.57 F 1.45	0.46 130.57 F 0.11	2.21 122.07 C 0.14	5.32 122.07 C 3.25	N
2+40		8.65 120.75 F 2.10	0.45 120.75 F 0.30	2.31 122.25 C 0.06	5.34 122.25 C 3.09	N
2+10		8.80 120.84 F 2.04	0.86 120.84 C 0.02	2.31 122.34 F 0.03	4.93 122.34 C 2.59	
1+80		8.91 120.93 F 2.02	0.96 120.93 C 0.03	2.43 122.43 Grade	4.47 122.43 C 2.04	
1+63 Alley ℄ E.C.			0.90 121.12 F 0.22	2.54 122.62 F 0.08		
1+60 Alley ℄ B.C.	Prop. Gutter	N 3.72 in Alley.	0.90 121.21 F 0.31	2.54 122.71 F 0.17		N. Prop. Gutter
1+60 = N'ly line Alley at Prop line	⊙ 9.60 121.23 F 1.63	18.78 121.15 F 2.37	9.60 121.55 F 1.95	6.13 123.05 C 3.08	4.05 122.65 C 1.40	N 6.13 122.73 C 3.40
1+40 S'ly line Alley at Prop. line	0.12 121.53 F 1.41 N 0.70 in alley	19.00 121.63 F 2.63	0.12 122.03 F 1.91	4.04 123.53 C 0.51	4.05 123.13 C 0.92	⊙ 4.04 123.03 C 1.01

Curb returns - High Ave. at Virginia Way & Torrey - Road.



Blk. 23. O. B. Park.
W.O.# 32300
Street # 12464-L
8/20/56

Frauds to Ebers
Between Lotus & Greene.

		Lt. = Sly.	Rt. = Nly.			Lt. = Sly.	Rt. = Nly.	
					Ebers Ely line			
2+70	N-0.35	6.96 35.57 C 1.39	7.37 35.57 C 1.80	.2[15]' N	6+00	31.88	31.69	
2+30	N-0.50	7.68 36.14 C 1.54	8.08 36.14 C 0.54	□-2'	5+60 Brk.	N-1' 2.69 32.18 C 0.51	2.12 32.04 C 0.08	□-2'
1+90 Brk	□-2'	7.04 36.71 C 0.33	7.00 36.71 C 0.29	□-2'	5+15	X 2' 2.62 32.51 C 0.11	2.71 32.43 C 0.28	□-0[32]
1+70 Brk	□-2'	7.22 37.05 C 0.17	7.64 37.04 C 0.60	N. 1.95'	4+70 Brk	□ 2' 2.91 32.85 C 0.06	3.12 32.83 C 0.29	□-2'
1+50 Brk	□-2'	7.46 37.48 F 0.02	7.81 37.46 C 0.35	N-2.08'	4+50 Brk	N: 0.80 3.27 33.03 C 0.24	3.12 33.03 C 0.09	□-2'
1+06.67		38.53	8.00 38.45 F 0.45	□-2'	4+30 Brk	N: 0.92 4.07 33.29 C 0.78	3.56 33.29 C 0.27	X-1'
0+63.33	N-0.04	9.97 39.58 C 0.39	9.57 39.44 C 0.13	□-2'	3+90	□ 1[50] 3.96 33.86 C 0.10	4.13 33.86 C 0.27	□-2'
0+20 Brk	□-2'	1.46 40.64 C 0.82	1.01 40.43 C 0.58	X-1'	3+50	□ 2' 4.86 34.43 C 0.43	5.01 34.43 C 0.58	□-2'
P-CC								
0+00 wly. line Frauds		41.12	40.89		3+10	N-0.39 6.58 35.00 C 1.58	6.44 35.00 C 0.44	□ 2'

Grades at garages etc.

	Lt.	℄	Rt.
6+00		1.56 31.56 X	
3+70			5.05 34.15 C 0.90
3+00			
3+00		5.63 on M.H. 34.79 C 0.84	5.78 35.14 C 0.64
2+80			6.02 35.71 C 0.31
0+00		0.88 40.85 C 0.03	

Alley Catalina Terrace
Ely. From Venice St. ℄
From Niagara to Narragansett,
11-13-56 W.O.# 32677
Plan # 3551-D
(N.Wly & S.Ely. Alley {Niagara to Narragansett)

1+30.25 =	End wall S.wly. side. Δ in S.wly. line alley		6.15 66.35 F 0.20		9.04 66.60 C 2.44	N-0.07 to to Prop.
1+08		X-2.25	6.10 66.42 F 0.32		9.05 66.67 C 2.38	N-on Prop
0+86		X 2.50	5.89 66.48 F 0.59		9.42 66.73 C 2.69	Nr on Prop.
0+64		N-2.93'	6.08 66.55 F 0.47		9.30 66.80 C 2.50	N 0.05 to Prop.
0+48 =	start wall S.wly side					→ X-on line
0+42		□ 2'	5.06 66.61 F 1.55		8.04 66.86 C 1.18	□ - 1.25 to E.P.
0+20 =	B+K	□ 2'	5.23 166.68 F 1.45		8.07 166.93 C 1.14	□ in'
0+00 =	S.wly. line Niagara		166.46		166.71	

N.wly & S.Ely. Alley.

outs to E.P. unless otherwise noted

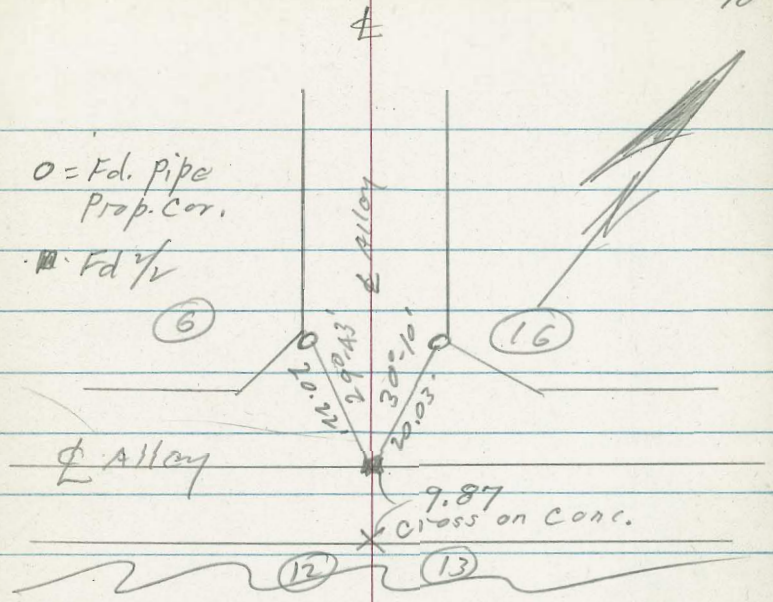
3+00 = N. Ely line Narragansett.		165.30		166.22 ✓	
2+80 Brk.	OH 2'	6.16 165.90 C 0.26		7.74 166.15 C 1.59	N 0.35 E.P.
2+58	X - 0.75	6.87 65.97 C 0.90		8.13 66.22 C 1.91	N - 0.40 E.P. N - 0.25 back of Prop.
2+40 = End wall on S.wly. side					
2+36	X - 75	6.88 66.03 C 0.85		8.04 66.28 C 1.76	N - 0.20 Prop
2+14	N - 0.60	7.23 66.10 C 1.13		8.16 66.35 C 1.81	N - 0.20 Prop.
1+92	X - 1.50	6.82 66.16 C 0.66		8.10 66.41 C 1.69	N - 0.30 to Prop.
1+69.75 = Start wall - S. wly. side. 1+70 = Δ in S.wly. line of alley	N - 2'	6.88 66.23 C 0.65		8.13 66.48 C 1.65	N - 0.17 to Prop.
1+50 = ℄ Alley to S. west.	X - 2.62'	6.67 66.29 C 0.38			

Ely & S.wly. Alley
Catalina Terrace.

℄

outs to edge of Pave.

			Lt.		Rt.	
0+00 = S.wly line of N.wly & S.Ely Alley.						
1+50 = ℄ opening to N.E. - No grade set.						
1+40.25	29.25 Rt. = Ely cor. Pavement. 14.75 Rt. = E.C. Pave		—		EC. 3.20 182.46 C 0.74	Prop. 3.53 □ 5' 184.20 F 0.67
1+35.25 = B.C.	9.75 Rt. on Rt. (Rad. = 5')	□ 1.15	1.36 181.40 F 0.04		3.20 181.40 C 1.80	on 5' Rad
0+92.5		□-2'	7.42 177.34 C 0.08		7.65 177.34 C 0.31	□-2'
0+50 = Brk.		□-2'	4.12 173.28 C 0.84		3.46 173.28 C 0.18	□-2'
0+30 = Brk	Car parked Here.	→ X-6'	1.66 171.03 C 0.63		70.98 171.03 F 0.05	X-2'
0+10 = Brk. = Δ in Alley Pavement		X-0.57	70.23 168.14 C 2.09		70.27 168.14 C 2.13	N-0.45
0+00						

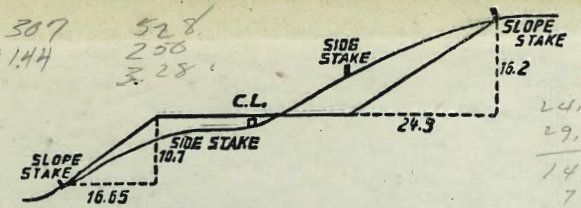


		℄ Lt.		℄ Rt.	
1+80 = End pave	Δ 2'	6.60 185.70 C 0.90		6.96 185.70 C 1.26	Δ 2'
1+64 75 9 75 Rt. = E.C. Pave.	Δ 2'	2.79 184.26 F 1.47		5.82 184.26 C 1.56	on 5' Rad.
29 75 = Rt. = Nly. Cor. Pave. 1+59 75 14 75 Rt. = B.C. Alley Pave.			B.C.	5.82 184.26 C 1.56	Nly. Cor. 6.60 Δ 5' 185.70 C 0.90

1.68
8.35 Boot.
10.03 T.P.

64+22.70 =

1.35
1.33
1.31
1.33
1.30
1.34
1.41
1.57
1.75
1.90
1.94
1.86
1.83
1.70
1.64



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

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

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