

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.

L

6

8

G.E.

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	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	.13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	.15	.30	.44	.60	.76	.91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	.19	.38	.57	.76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	.21	.42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	.23	.46	.69	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	.155	.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	.711	.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	.985	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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PAGE

CB & Walk - FRONT ST. - MAPLE 140' N.Y.

Cle. n.s. Commercial - Hensley - Evans

Lots 21 to 24 BIK 197 Pacific Beach

CB Grades : 3405 - 441 ST.

Perry St. Ties + Bench Mark

Clark
Shepard
Brainerd
O'Neill
4-28-53
M.O. 20007

CB. Y WALK - FRONT ST.
N LINE OF MAPLE ST. 10140 NLY, ON ELY FRONT.
DATA: PROFILE # 352

STA.
1+40 meet exist CB chk 207.62 TPCB = 207.60

1+25

207.02 GUTT
207.86 ELEV F. WALK
FO.84

1+00

207.24 GUTT
207.24 E.L. F. WALK
FO.84

0+75

207.47 GUTT
208.31 E.L. F. WALK
FO.84

0+50

207.70 GUTT
208.54 ELEV F. WALK
FO.84

0+25 (not set)

(P/I) Drive from here on N

0+20 N.Y.C.B.

(0+00 = N.Y. Line Maple)

B.C. 0-04

208.07
208.72
FO.65 T.P.CB

208.40
209.00 T.P.CB.
FO.60

208.21 Rod
209.00 E170.CB.
FO.79 T.P.CB

208.25
209.05
FO.80 T.P.CB

mid. PT.

EC. (N.Y. C.R. LINE MAPLE)

208.36
209.10
FO.74 T.P.CB

B.M.: DR. ELEV. P.D.: →

(out) → 223.99 N.W.B.P. 1ST Y MAPLE
203.96 N.W.B.P.

FRONT + LAUREL

INDEXED
APR 29 1953

Evans St.

2

Curb Stakes - N. side of Commercial

110' from W.L. Hensly to Evans.

w.o. 20007 - 4-31-53 7.0.

-end of Ret.

0+00 = W.L. Hensly

+25

66.32 66.46 F 0.14

+50

66.09 66.27 F 0.18

+75

66.14 66.08 C 0.06

1 + 10

65.63 65.81 F 0.19

-Grade

+
v

3
v

2
v

1
v

1 + 10
End Prop. cb.

End of
Ret.

3' St.
7' Line P

INDEXED

Saw
MAY 4 1953

110' of New cb.

<14'

0+00
end East. cb.

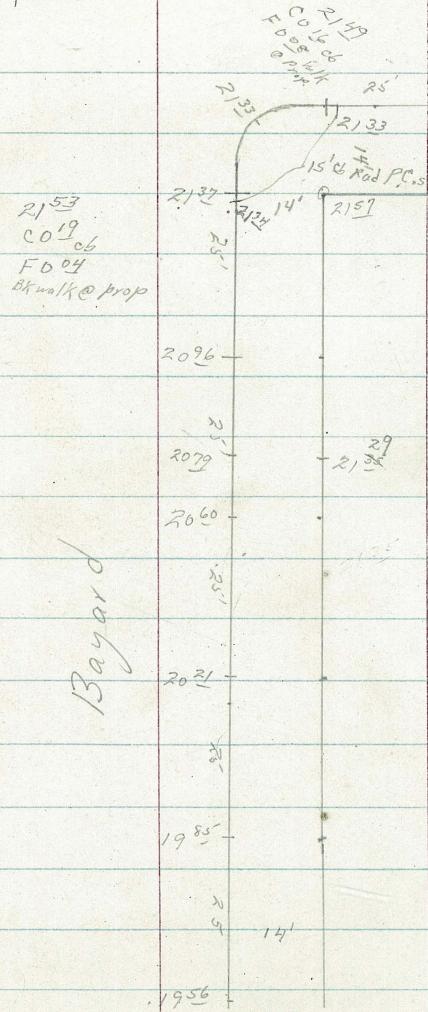
10' Rad.

C. t. ↑

Hensly St.

D. Smith
R. Taylor

curb levels
Floor "



B.M.

Garret

R 188 — 2 88' 25' PR 4 25' R 210' 20'

WOT 20005
7-1-53

3

2290-
P2248
P299
P32
P54

Pennys

19¹² Jun 1944

INDEXED

JUL 2 1953

1408 SEBR
MISSION
to
Garret

Lots 21-24 BIK 197 Pac. Beach
C.H.S.

10-1-53

INDEXED
JER
OCT 5 1953

4

Felspar

yellow denotes Exist. ab.

■ " grades set 3 back
of ab face

straight grade Garnet to
Felspar.

grades racked in

SK

Events

BIK 197

F 0.71
(0.20 rise from
ab. to prop.)

Garnet Ave

F 0.02 to alloy ab.
C 0.05 to street ab
4.5' Mact Exist ab.

90°

INDEXED
JER
OCT 19 1953

Rosecrans

profile incl 21°
pencil 22°
existing clv. out 21° 51'
clv. 21° 02'

D. Smith
J. Rorer
R. Taylor
B. Fish

wo #20007

10-16-53

5

1944

clv.

17°

clv.

10 25

25 10

5°

5°

existing clv. width

existing

L. Talbot St

clv. part
10' 6"

clv. 12° 32'

0+49 Mee

10' 86"

F 0° 57'

0+25 11° 37'

0+00 3' PK clv. Prop

10' 50" 10' 95" C 0° 45"

Scott St.

B.M

27 82

N.W.B.P.
Rosecrans
+ Bessemer

Claire
Shepard
Bruner
O'Neil
12-21-53
W.O. 20007

CB. RCT. N.EAST.
UPAS & 4th ST

INDEXED
DEC 5/1953

x STD CO

← 14' →

4' LINE 4' G.L.

(284.81) NOET 681ST CB. B.C.

20' CB RAD

#1 284.58
284.39-607 284.84 CB. B.C. 7
FO. 26

N. LINE UPAS

#2 GUT: 284.35

284.64
284.86 CB. B.C.
FO. 22

284.82/ manf 24.57 CB. B.C.
284.507

UPAS ST

B.M. DIR. ELEV. RD:

284.99 = N.E.B.P. UPAS 4th ST

INDEXED
JER

JUN 24 1954

Stake Curb 3 - SEC COR 7th + Broadway

No # 20007 - 24 June 1954

C. Allen, D. Sisson, C. Powell.

Elevation of 100.00 assumed at top cb

NELY COR of Home Federal Savings

Property - 5% grade maintained

From 0+00 to EC or 15' Radius

Return at station 0+56.21 - straight

grade to opposite manhole in

underground vault at station

0+93⁰ - Grade broken to meet

existing curb at swly cor

Home Federal Savings & Loan

Broadway

100.00
F.O. 34

99.92
F.O. 36

99.81
F.O. 00

99.78
F.O. 12

99.75
F.O. 26

99.72
F.O. 43

99.26
F.O. 72

0+74.01

Home Federal
Savings Prop
Line.

98.80
F.O. 58

0+93⁰ = Slight underground vault

98.10
F.O. 50

1+18

~ 1+54 = Meet

2 curv

5-take cos. N.E. Cor. Qualtrough and
San Antonio

W.O. 20007 7 - July 1954

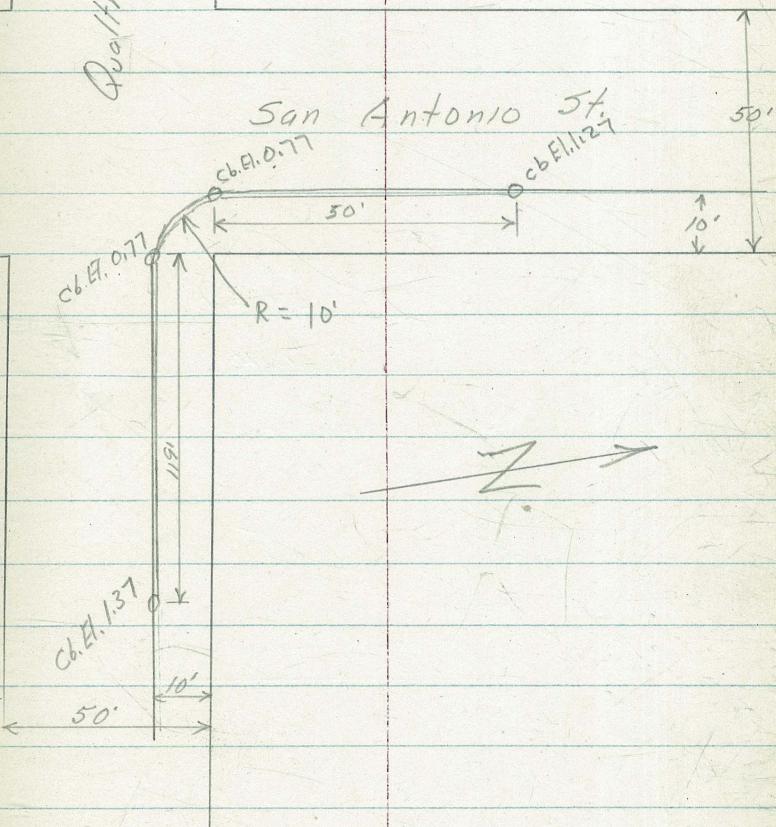
Osborne

B.M. Brass Plug S.E. cor

Rosecrans & Qualtrough
El. G1.80 (F.B. G-197-22)

INDEXED
HERE
JUL 14 1954

81

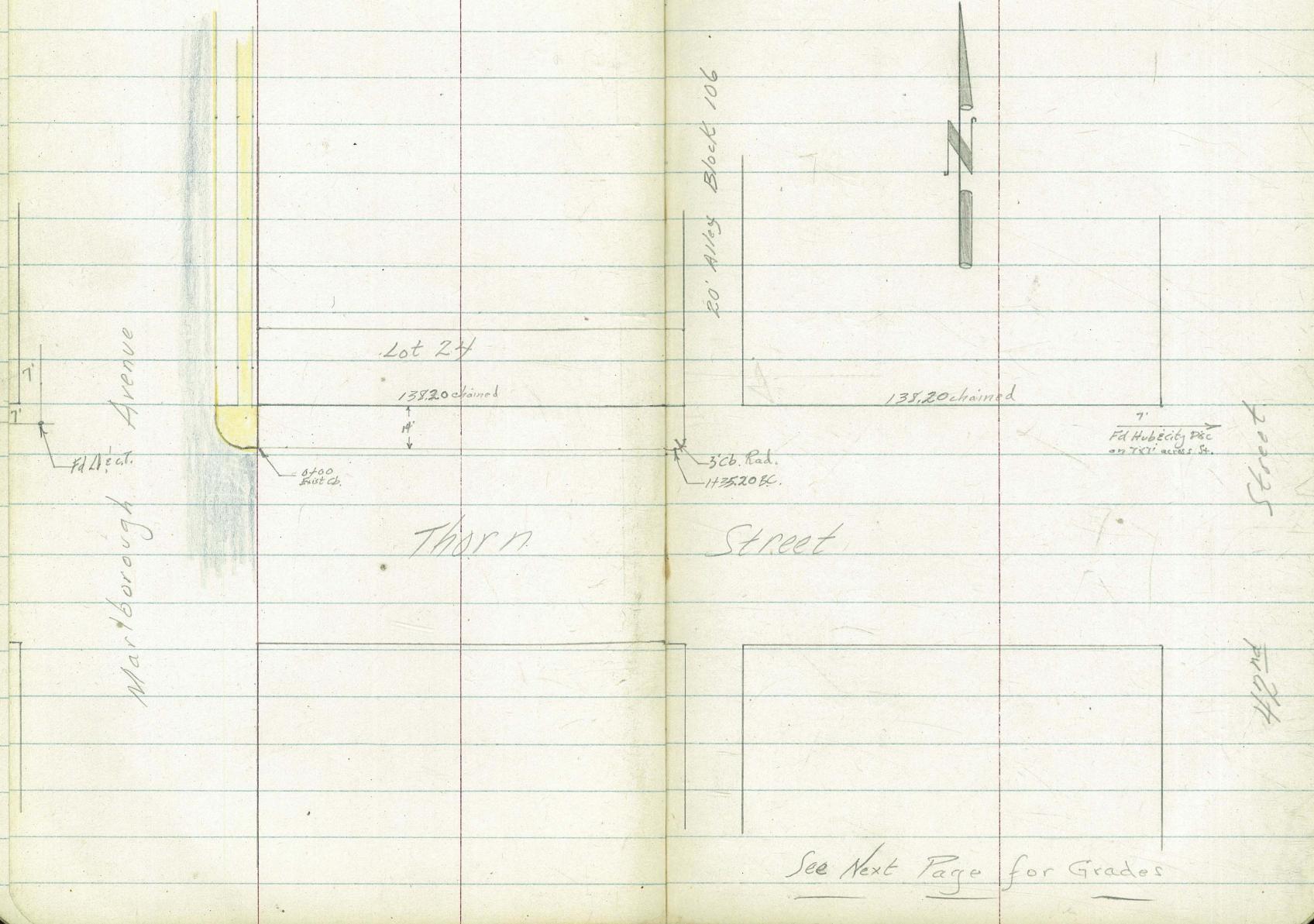


Roberts
Cota
Morales
Powell
7-22-54
K.O. #20007

Grade Stakes for Curb
Lot 24 Block 106 City Hts
Permit # 21013

9

INDEXED
JUL 30 1951



1+25

300.54 ✓
 300.37 ✓
 F 0.17

1+00

300.65
 300.56 ✓
 F 0.09.

0+75

300.76 ✓
 300.52 ✓
 F 0.24

0+50

300.87 ✓
 300.53 ✓
 F 0.34

0+25

300.78 ✓
 300.72 ✓
 F 0.26

End Exist cb.
 0+00 East Line Marlborough

(301.10 Profile)

Actual 301.09

BM

301.82 NW BP
 Marlborough = Thurn

West Line of 42nd St. (300.50 Profile) 299.80 Actual
 2+96.40 Exist cb. End.
 Last four feet settled.
 Shot top of Inlet.

END Cb. at Prop. Line

300.63 ✓
 300.55 ✓
 F 0.08

cb EC
 1+35.20 on Alley

300.52 ✓
 300.39 ✓
 F 0.13

cb BC
 1+35.20 on Thorn

300.50 ✓
 300.39 ✓
 F 0.11

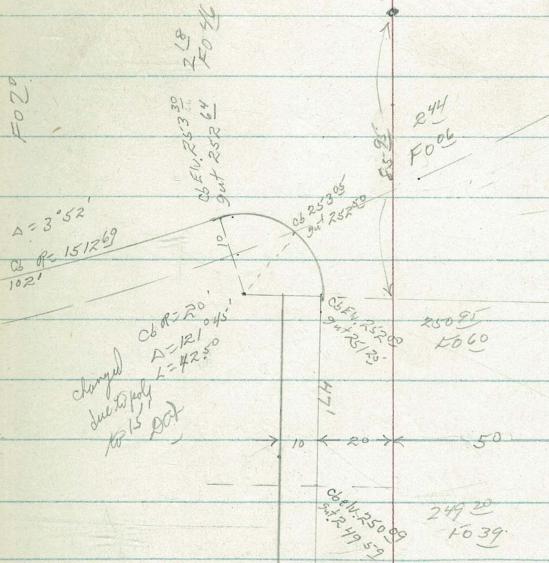
D. Smith
P. Taylor
B. Fish

B.M. 24931

Top Fire Hyd
68th & Imperial
SW cor

102' 102'
CB R=151269
9.4 ft R=5154
out

F02°



WOT 62388
8-4-54

11

Fd L+T

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Curb GRADES 37th st

Lots 1, 2, 3. - Blk 3

J.W. Haines add Subd.

Walker
Pope
Ottman

9-15-54 Profile #2966

Map #965

INDEXED

WER

SEP 16 '54 Meas.

145.13'

Plot FB
Stub

12

10' 16"

- 20"

E.I.
Stakes

E.I. Curb
Grade

Guts offsets

0+75 = M.L. Lot 3 25.26 23.98

0+50 " " 2 25.06 24.32

0+25 " " 1 25.22 24.66

Res. Ret
= 0+10
25.71 24.86

Part 3 25.41 25.00

Part # 2 25.00 25.10

Part # 1 24.77 25.10

B.C. Ret. on 24.95 25.00

CB2088

C128 3' 11"

C0.74 "

C0.56 "

C0.85 "

C0.41 "

F0.10 "

F0.33 "

F0.05 "

Set 20' R + EC. 0+10

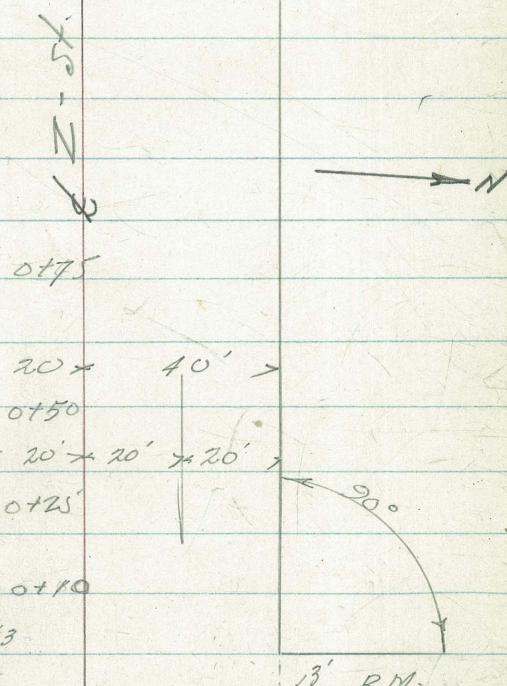
120°
86 25.00

37th

FB 215°
RE 4847

= E.I. 26.24
FB 2343-68

on 3' 11"



CURB STAKES 37TH ST (WEST SIDE)
SOUTH LINE Z TO 100' SOUTH

13

COTA
POPE
MORALEZ
BRUNNER
9-30-54

N.O. #20007

INDEXED
OCT 1 1954

0498

22.16
21.63

C 083

0475

22.13
22.42
F 0.29

0450

24.08
23.28
C 0.80

0425

24.58
24.14
C 0.44

0400 SO. LINE 7ST.

24.94 STAKE ELEV.
25.00 CO. GRADE
F 006

B.M.

26.24 L.E.T.

N.W. COR. 37TH & Z
3' TIE BACK.

INDEXED
M.E.A.

15 1954

CURB STAKES WLY SIDE IN GRAHAM ST THROUGH

LOTS 33-38 BLK 3 BETWEEN FORTUNA AVE &

PACIFIC BEACH DRIVE NO. 20007 46.12- Existing Cb @ 5.W. Cor Pac. Beach & Ingrahams

= 100' 51/4 of S. Line

1+50 Pac. Beach Drive

F.O. 46

45.35

45.81

NOTE: Stakes set 3' back Cb face

=

F.O. 35

45.91

45.76

F.O. 54

45.17

45.71

F.O. 54

45.12

45.66

F.O. 58

45.04

45.62

F.O. 42

45.15

45.57

F.O. 65

44.87

45.52

0+75

0+50

0+25

0+00 = 275' Nly of Nly
LINE Fortuna St & Wly Line Ingraham
Curb 7.5 from th.

EX151 44.96

44.84

NW Curb @ Ingraham & Fortuna

C.T. @ Ingraham & Fortuna

B.M.

12-14-54

Profile No 1203

TP. 1294

Constn Plans 8053-L

10056-L

Stampers
Huffman 14
Nordahl
Elmore

D. Smith
J. Roper
R. Taylor
R. Hamilton

Curb Stake Alley Blk 20 Paradise Hills
Blk. Reo & Rancho on Cumberland

WD# 20006
12/20/54

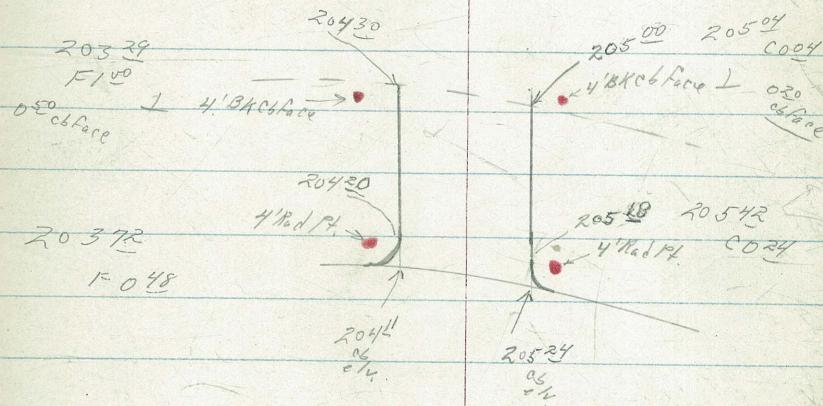
15

INDEXED

DEC 21 1954

Ref; see FB 2227-71 sketch & sec.

Grade Profile 525 A.



BM

SWBP
210⁴¹ Rancho Dg
Cumberland.

CB Stake Alley B1K19 Paradise Hills
on Cumberland St Btwn Reo & Morningside

D. Smith
J. Roper
R. Taylor
R. Hamilton

WOT 2006
12/22/54

INDEXED
~~PER~~

Ref D.F.P. Map # 1936 set 3 of 4

4550-B opening

Morningside

B1K 19

Fd 3/4 pipes L.S.R. 717

Lot 10

Cumberland

SWBP
Reo
Cumberland

19489

set 4' CB Rad P4
elv. at Alley E.G. 190⁵⁵₃₇
0²⁹₃₇ F.O.

H/BK prop end ab
elv. ab 190⁶⁹₄₅ F.O.²⁴
H/BK prop end ab
elv. ab 191³³₂₃ F.O.¹²

H/BK prop end ab
elv. ab 191³³₂₃ F.O.¹²

set 4' CB rad P4
elv. ab at Alley E.G. 191²³
113 F.O.

Curbs at 3rdy COR University + College

Draw 10124-L

2/5/55

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

INDEXED
SER

FEB 10 1955

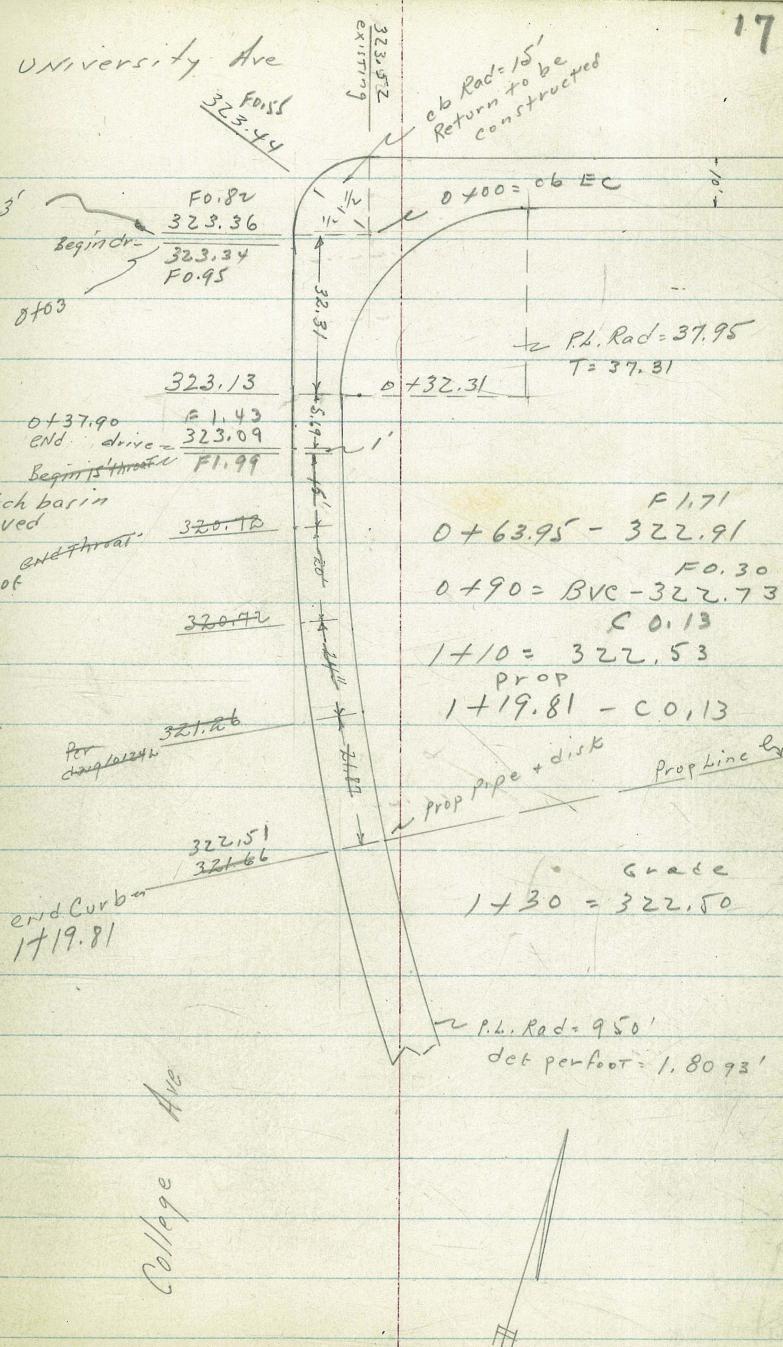
BM = end existing Return = 323.52

Used This Grade

See Green Profile # 4326

Top Cb Grade Stake

Midpt Ret	323.15	F0.26
Cb EC. 15' Ret		
0+00	322.70	F0.16
0+03	322.60	F0.22
" Prop. 13C		
0+32.31	322.08	F0.38
0+37.90	322.00	F0.90
R inlet		
0+65	321.87	F0.66
0+90	322.05	C0.38
1+10	322.15	C0.52
Prop		
1+19.81	322.20	C0.43
1+30	322.30	C0.21



Perry + San Fernando.

Ties + B.M. for Curb + Street \$

6-21-55

C.H.S.

Baig

Scholia

Flora

INDEXED
JUN 21 1955

Perry St

18

Fal Mon,
+ Both ways

50.00

El. Nail
= 158.56

100'

San Fernando
Aprax #

Robert
Rorer
Moore
X-Moralez
7-13-55
W.O. #20007

Grade Stakes For Curb Calle Trepadora
Between Potomac & Cumberland
Permit # 15985
11054-L
Lots 16, 19 & 20 Tres Lomas

INDEXED
JUN 14 1955

So. End Lot
1421.84 19
303.45
303.19
C 0.26

1400
304.47
303.39
F 1.08

0+75
305.94
304.18
F 1.16

0+50
307.41
306.39
F 1.02

0+25
308.88
308.03
C 0.85

No. End Lot
0+00 20
310.45
310.35
B0.10

So. End Lot
0+50 16

So. End Lot
0+40 16

0+20

No. End Lot
0+00 16

296.84
296.40
C 0.44

297.41
296.65
C 0.76

297.56
297.22
C 0.34

298.86
297.93
C 0.93

SEBP
291.02 Cumberland & Agua Dulce

BM

STAKE CURB ON J ST. ELY. OF 33rd FRONTING
LOTS 7,8,9
REFERENCE: 56148

INDEXED

MER
JUL 28 1956

COTA
GARBER
KELLEY
PULLEY
7-25-55
W.O.#20007

20

32.85
32.93 G.
F.0.08

1+26 95

32.14
32.37
F.0.28

1+10

32.24
32.24
CHECKS O.K.

1+00 E. ext.
cb. inlet.

32.40
32.26
C.0.14

0+90

32.49
32.39
C.0.10

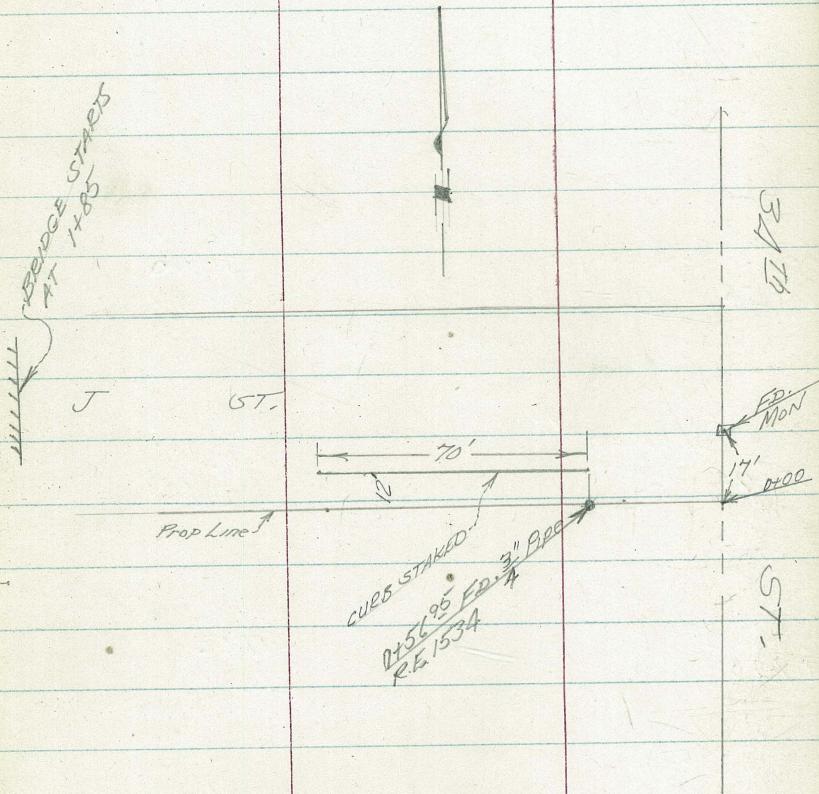
0+73 47

32.64 Stake
32.53 Grade
C.0.11

0+56.95

USED DIRECT ELEV. ROD

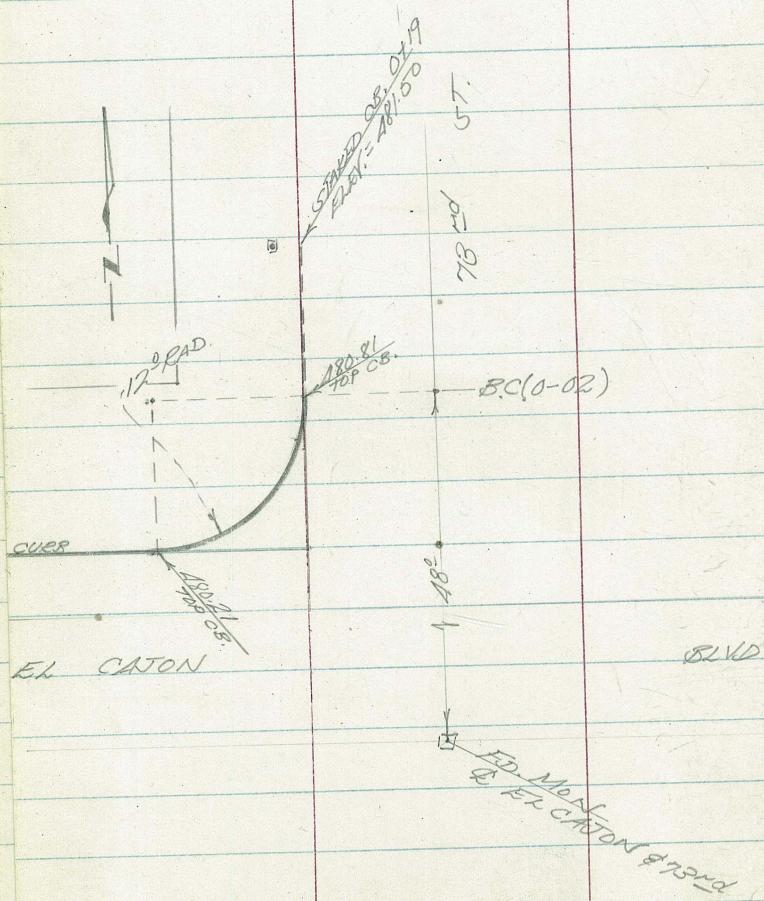
B.M. 32.51 G.W. Conc. Mon. 32th & "J"



TOPO & STAKES N.W. COR EL CAJON & 73rd

21

COTA
KELLEY
PULLEN
8-16-58
W.O.# 20007



$$\begin{aligned} 181.50 &= \text{GRADE} \\ 180.83 &= \text{STUB} \\ \hline F 0.67 & \end{aligned}$$

B.M. S.W.E.P. EL CAJON & 73rd = 180.16

Note - Reversed

Curve put

15 wly curb E.C. 1-10-40

To Narrow The

Roadway front P.R.C. = 0 + 70' 20"

40' + 036'

Two equal curves

$$\Delta = 2^{\circ}52'$$

$$R = 803.5$$

$$L = 40.20$$

$$\beta c = 0 + 30$$

~~0-100~~

Nyline El Cajon

12' curb Rad-

EL Cajon Blvd

alley Returns

Stake Curbs - 73rd st
N.Y. & El Cajon on W.Y. side of
73rd st

Grades from Drwg 7780 - L

REFEXED
SER SEP 21 1956

Top Curb Grade	Elev of Stake
485.63	486.36 - CO 7-3
485.29	486.69 - C 1.40
485.25	486.69 - C 1 44 f05T
484.98	486.28 - C 1 30
484.30	485.46 C-1.16
483.98	484.93 - CO 95-
483.64	484.30 - CO 66
483.30	483.88 - CO 58
482.96	483.25 - CO 29
482.63	482.70 - CO 07
482.29	CO.02 482.31
481.95	481.67 - F0.28
481.61	F0.07 481.54
480.94	480.49 - F0.45

Stake curb - E. side Ingraham - N. of Reed

w.o. 25020

6-4-56

7.0

BM = Ld + ct. E Ingraham + Reed.

44.16

0-10 = End cb.

44.95

See Plan - 9022-L

0+00 = E.C.

45.01 45.12 F.O. 11
61

0+27

45.86 45.43 C.O. 43
86

0+54 = End

45.90 45.74 C.O. 16
90

0+54 = End.

E Thomas. P

See Book 2067 - P. 26

N

E.L. Ingraham St.

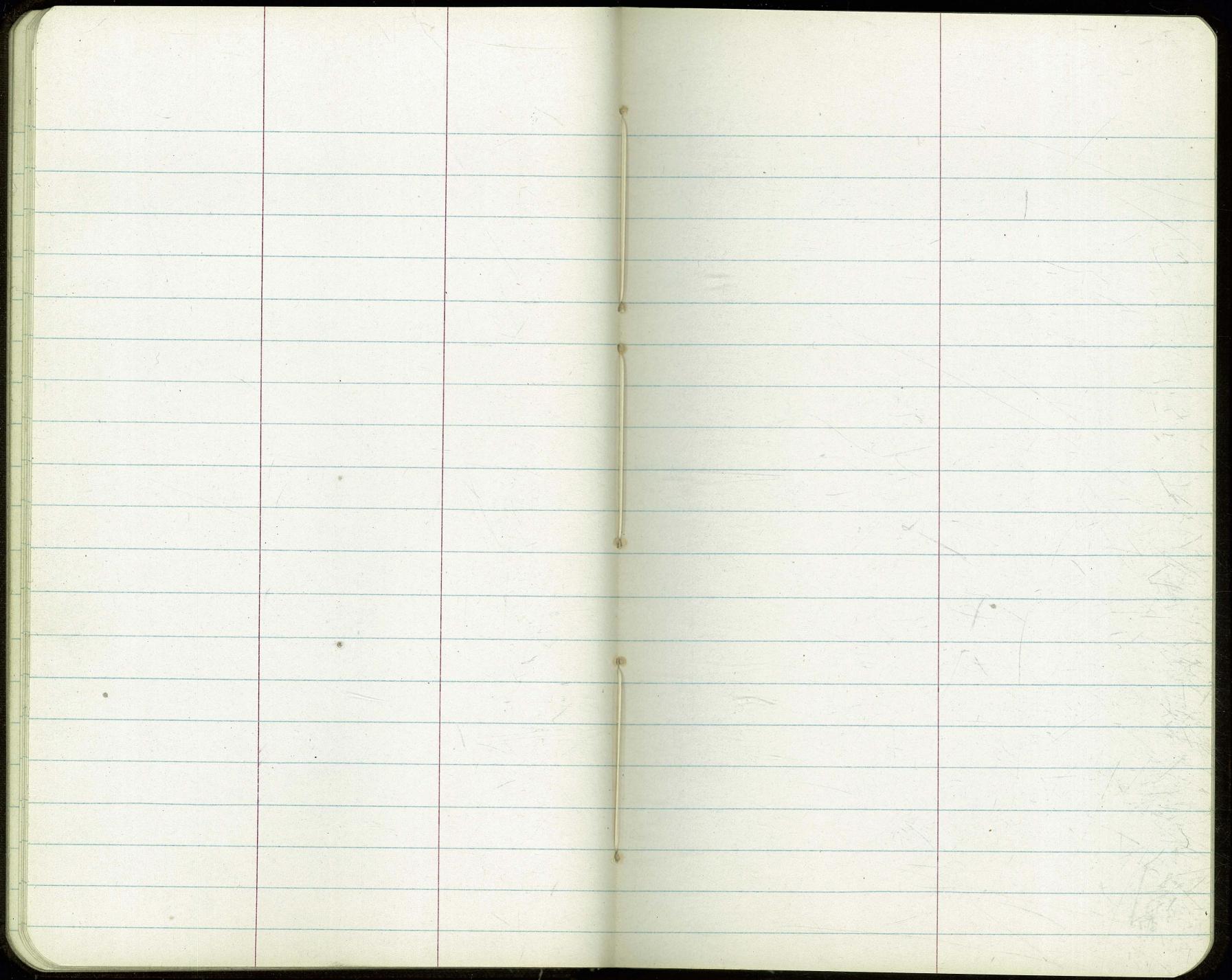
0+27

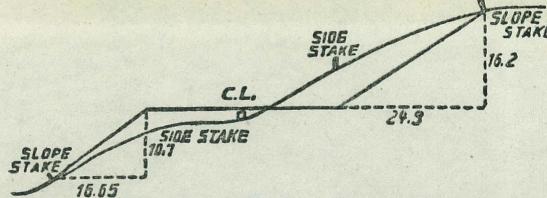
0+00 = E.C.

End Exist. cb.
Top = 44.95

30' Rad.
Fd. Pipe LS. 2717

Reed st.





DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 $\frac{1}{2}$ 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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