

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

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

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

MICROFILMED
APR 14 1965

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46
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D
grou
colu
side
side
cut
If it

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side of finished
state for any width roadway, etc.

IMPROVED TABLES AND INFORMATION

INDEX

Grades, Wabaska Freeway	49
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199

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Roberts

Grid/Stakes Lower Currier St

Cota
Moore
Pullen
Aug 17, 1951
W.S. 62225

FB 204/pg 68 4336B

2+75.08 DE

Indexed

→ 57.15
C 3.75

1+06.5

54.98
52.58
C 2.40

2+44.04

60.20
55.29
C 4.91

0+85.2

54.79
52.41
C 2.38

484 ± 15' on split
2, Rr
2+13 NH 51' 14"

58.31
→ 53.43
C 4.88

0+63.9

54.63
52.24
C 2.39

1+91.7

58.19
53.26
C 4.93

0+22.6

54.38
52.07
C 2.31

1+70.4

57.10
53.09
C 4.01

0+21.3

54.25
51.90
C 2.35

1+49.1

55.88
52.92
C 2.96

4' 00"

0+00 Make
Conn. Evt + DE
Alley BK 17 LI

51.73 actual
Net

1+27.8

55.12
52.75
C 2.37

BM

50.51 SEBP

Currier's Coast

Roberts
Cota
Moore
Pallen
Aug 20, 1951
W.O. 23708

Grade Stakes For Sewer Laterals
in Illinois Manor

Stakes 5' BK PL on line

8876L

384.74

Indexed

384.95

2

1+87

386.74
④
382.35
C 4.39

3+46

385.85
⑦
381.71
C 4.14

1+36

387.47
⑪
382.54
C 4.93

2+95

386.40
⑧
381.90
C 4.50

1+34

387.05
③
382.55
C 4.50

2+93

386.30
⑥
381.92
C 4.44

0+83

387.38
⑬
382.75
C 4.63

2+42

386.61
⑨
382.11
C 4.50

0+81

387.18
②
382.77
C 4.41

2+40

386.47
⑤
382.03
C 4.44

0+48

387.97
⑬
382.80
C 5.17

1+89

386.78
⑩
382.32
C 4.46

BM

383.22
383.22 NW Cor.

Iowa & Meade (NG) used Curb Ends

Roberts
Cota
Moore
Pulley
Aug 24, 1951
W.O. 31867

Rough Grade Stakes Riley St.
Jefferson to Congress

Indexed

8713L

2+08

480
4.84
GRADE

505
4.74
0.31
C0.3

1461

591
4.72
C1.2

509
4.62
0.47
C0.3

1422

470
4.61
C0.1

4.51
4.44
0.07
F0.1

3+00 Congress

460
4.55
C0.1

4.45
4.17
0.28
F0.3

0+83

475
4.49
26
C0.3

460
4.39
C0.2

2+67.5

473
4.69
0.04
GRADE

500
4.59
C0.4

0+44

452
4.38
1.4
C0.1

470
4.28
4.2
C0.4

2+40

484
4.81
GRADE

487
4.71
0.16
C0.2

0+00

Jefferson

425
3.97
0.28
F0.3

438
4.15
0.23
C0.2

2+20

487
4.86
GRADE

495
4.76
C0.2

BN

4.39 Spike

& Riley & Congress

Roberts
City
#1000
Zillen
Aug 29, 1951
WD 31867

Curb Grade Stakes Riley St.
Jefferson to Congress

INDEXED
Law
AUG 26 1952

4

	LT. 8713L	RT.	LT.	RT.
1700	475 4.55 C0.20	449 4.45 C0.04	481 4.77 C0.04	4.67 4.56 F0.11

0775	459 4.47 C 0.12	461 4.37 C 0.24	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> ON RT. ↓ 1764 Alley RAD </div> ON ALLEY 4.66 4.56 F0.10	ON STREET 4.63 4.56 F0.07
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0750	445 4.40 C0.05	457 4.30 C0.27	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> LT 1750 ONLY </div> 4.70 4.67 F0.03	4.60
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0725	4.32 4.29 F0.03	443 4.22 C 0.21	ON RIGHT Alley E.P.L. 1740 4.60 4.53 F0.07	1760 4.66 4.53 F0.13
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0705 BC	4.26 4.13 F0.13	428 4.16 C0.12	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> ON ST. ↓ 1736 Alley Rad. Pt. </div> ON ALLEY 4.60 4.52 F0.08	ON STREET 4.55 4.52 F0.03
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0700 Brim #1 Curb E.A. J.H.	4.25 3.84 F 0.41	4.15 3.82 F0.33	1725 4.69 4.62 C0.07	4.52 4.50 F0.02
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BM 439 Spike on E Riley & Congress

	lt.	lt.	lt.	lt.
# / P.L. Congress	481 4.55 C0.26	4.45 4.32 F0.13		
2+95 BC	508 4.57 C0.51	4.47 4.34 F0.13		
2+67 E	482 4.69 C0.13	4.86 4.59 C0.27		
2+40	500 4.81 C0.19	4.83 4.71 C0.12		
2+20	501 4.86 C0.15	4.85 4.76 C0.09		
2+00	4.84 4.80 F0.04	4.72 4.74 F0.02 ✓	#2	4.64 4.59 C0.05
				4.40 4.23 F0.17

107-7-9 BLK. - ADD. G.A. Buel Add
 OWNER Pac Tel Co
 CONTR. H. Eden Inc
 PERMIT NO. 71295

Roberts
Cota
Moore
Pellin
Sept. 7, 1951
W.O. 23708

Stake Water Main & Lateral
Illinois Manor

8876L

2+50

386.15
383.19
C 2.96

2+00

385.75
383.06
C 2.69

1+50

385.51
382.93
C 2.58

1+00

385.15
382.80
C 2.35

0+50

384.88
382.67
C 2.21

0+00

slg line
Ill. Manor

382.54 B.H. EXIST.

5' Doonb Line

Lat #10 ^{Lot 5}

385.67
385.48

Lat #3 ^{Lot 10}

F 0.27

Lat #9 ^{Lot 6}

385.29
385.06

Lat #7 ^{Lot 9}

F 0.23

Lat #8 Lot 7

385.37
384.92
C 0.45

Lat #1 ^{Lot 8}

385.14
385.04
F 0.10

3+77.2 ^{slg line}
Ill. Manor

3+50

3+00

Indexed

6

386.21
385.81
C 0.40

386.10
385.47
C 0.63

387.20
383.50
C 3.70

386.94
383.45
C 3.49

386.64
383.32
C 3.32

Lot #14 Lot 1

388.09
386.90

387.36

Lot #7 Lot 14

F 0.19

387.09

C 0.27

Lot #13 Lot 2

386.79
386.64

Lot #6 Lot 13

F 0.15

386.81

386.45

F 0.36

Lot #12 Lot 3

386.25
386.42

F 0.17

387.03

Lot #5 Lot 12

386.48

C 0.55

386.13

Lot #11 Lot 4

386.04

C 0.09

Lot #4 Lot 11

386.14

386.01

F 0.13

Roberts
Cota
Moore
Sept. 14, 1951
W.O. 62233

Grade Stakes For Outfall Sewer
From School 59 $\frac{1}{2}$ ft Detroit to
Imperial Ave.
1700-D

2+70

Indexed

14879
140.46
C 8.33

8

0+60

14743
137.05
C 1038

2+40

14958
139.99
C 9.59

0+30

14272
136.57
C 6.15

2+04.40 MH #2

20.40 @ 2.05 RP on Split
47.07 @ 45 RP on Mon.

150.52
IN
139.33
C 11.19

150.52
OUT
139.43
C 11.09

0+00

MH #1
37 @ 223 RP

Exist
135.27 calc.

141.18
OUT
136.10
C 5.09

1+80

14976
138.94
C 10.82

1+50

14944
138.47
C 10.97

check

4.56 181.87 = 181.83

TP 10.10

186.43

0.18 176.33

1+20

14963
138.00
C 11.63

TP 12.24

176.51

0.12 164.27

TP 11.42

164.39

0.14 152.97

0+90

14851
137.52
C 10.99

TP 9.12

153.11

10.16 243.93 TBM ←

TP 5.56

154.09

10.53 148.53

TP 1.44

159.06

12.12 157.62

TP 0.16

168.74

12.84 169.58

BM 0.59

182.42

181.83

S.F.B.P.

Market & Pitta

check cases from Pitt 59 R.P.M.H. #1

	Wly →	156.98	6+58.96 MH ^{#5} 25.40 & 5.02 RP on Split	161.96 155.03 C 6.93
	Ely →	156.97		160.95 154.45 C 6.50
4+62.46 MH ^{#4} 20 & 5.31 RP on Line net on Split	IN 151.00 C 5.97	OUT 151.10 C 5.88	6+30	
	154.95 148.28 C 6.67		6+00	159.21 153.85 C 5.36
4+20	152.58 146.36 C 6.22		5+70	158.00 153.25 C 4.75
3+90	151.00 144.44 C 6.56		5+40	157.76 152.65 C 5.11
3+60	149.10 142.52 C 6.58		5+10	157.99 152.05 C 5.94
3+30	Ely →	148.71		157.55 151.45 C 6.10
	NTly —	148.50		
3+09.20 MH ^{#3} 20 & 40 & 7.08 RP on Split	IN 141.07 C 7.41	OUT 141.19 C 7.22	4+80	
39.82 & 40 RP Mon				

Contd From Page 9

		10+60	180.61 → 170.13 ← C 10.48
8+40	166.51 159.66 C 6.85	10+30	178.75 167.73 C 11.02
8+10	166.32 158.89 C 7.43	10+00	176.35 → 165.33 ← C 11.02
7+80	165.79 158.12 C 7.67	9+71.17 MH #6 20,40 g 5.02 R.P. on split	174.65 TEM → 163.02 ← C 11.63
7+50	164.82 157.36 C 7.46	9+30	170.96 161.96 C 9.00
7+20	163.77 156.59 C 7.18	9+00	168.19 161.20 C 6.99
6+90	162.85 155.82 C 7.03	8+70	167.12 160.43 C 6.69

12750		189.46 180.50 C 8.96	14718.65 MH#8 RP 5.24, 20.840 on split	194.52 IN 184.96 C 9.56	194.52 OUT 185.06 C 9.46
12720		190.20 179.71 C 10.49	14760 ✓	192.98 184.46 C 8.52	
11790		187.50 178.92 C 8.58	13770	190.64 183.67 C 6.97	
11758.20 MH#7 RP 5.31, 20.840 on split	185.76 IN 177.98 C-7.78	185.76 OUT 178.08 C-7.68	13740	188.66 182.88 C 5.78	
11720	184.48 174.93 C 9.55		13710	188.20 182.09 C 6.11	
10790	182.88 172.53 C 10.35		12780	188.66 181.30 C 7.36	

Cont'd From Page 11

~~225.23~~
→ 214.62 ←
C 10.61

17480

213.27 213.27
IN OUT
203.00 203.10
C 10.27 C 10.17

15797.11 MH #10
5.29' S 20° E 40' RP on split

~~222.02~~

221.35
212.73
C 8.62

17450

208.76
199.48
C 19.28

15470

17447.11 }
End Conc. Encasement

219.00
210.84
C 8.16

17420

End Conc. Encasement }
15437.11 MA #9
RP 5' E 20' at 90°

202.56
193.00
C 9.56

17412.11 }
Begin Conc. Encasement

218.53
209.35
C 9.58

16490

15410

199.58
191.18
C 8.40

15407.11 }
Begin Conc. Encasement

217.29
207.06
C 10.23

16460

14480

197.78
189.17
C 8.61

215.28
205.17
C 10.11

16430

14450

196.21
187.16
C 9.05

Cont'd From Page 12

19450

229.27
219.77
C 9.48

20490

233.50
224.19
C 9.31

19420

229.66
219.37
C 10.29

20460

231.94
222.48
C 9.46

18490

229.43
218.95
C 10.48

20435.64 MH#12

230.39
IN
220.99
C 9.40

230.39
OUT
221.09
C 9.30

5.19, 209.40 RP on split

18460

229.21
218.53
C 10.68

20410

230.04
230.63
C 9.71

18434.91 MH# 11

228.57
IN
218.08
C 10.49

228.57
OUT
218.18
C 10.39

5.14, 209.40 RP on split

19480

229.20
220.21
C 8.99

18410

227.28
216.51
C 10.77

Cont'd From Page 13

22+62.09 MH¹³
5¢ 20 RP at 90°

240.88
-234.00 ←
C 6.88

22+40

238.73
232.74
C 5.99

22+10

237.90
231.03
C 6.87

21+80

236.94
229.32
C 7.62

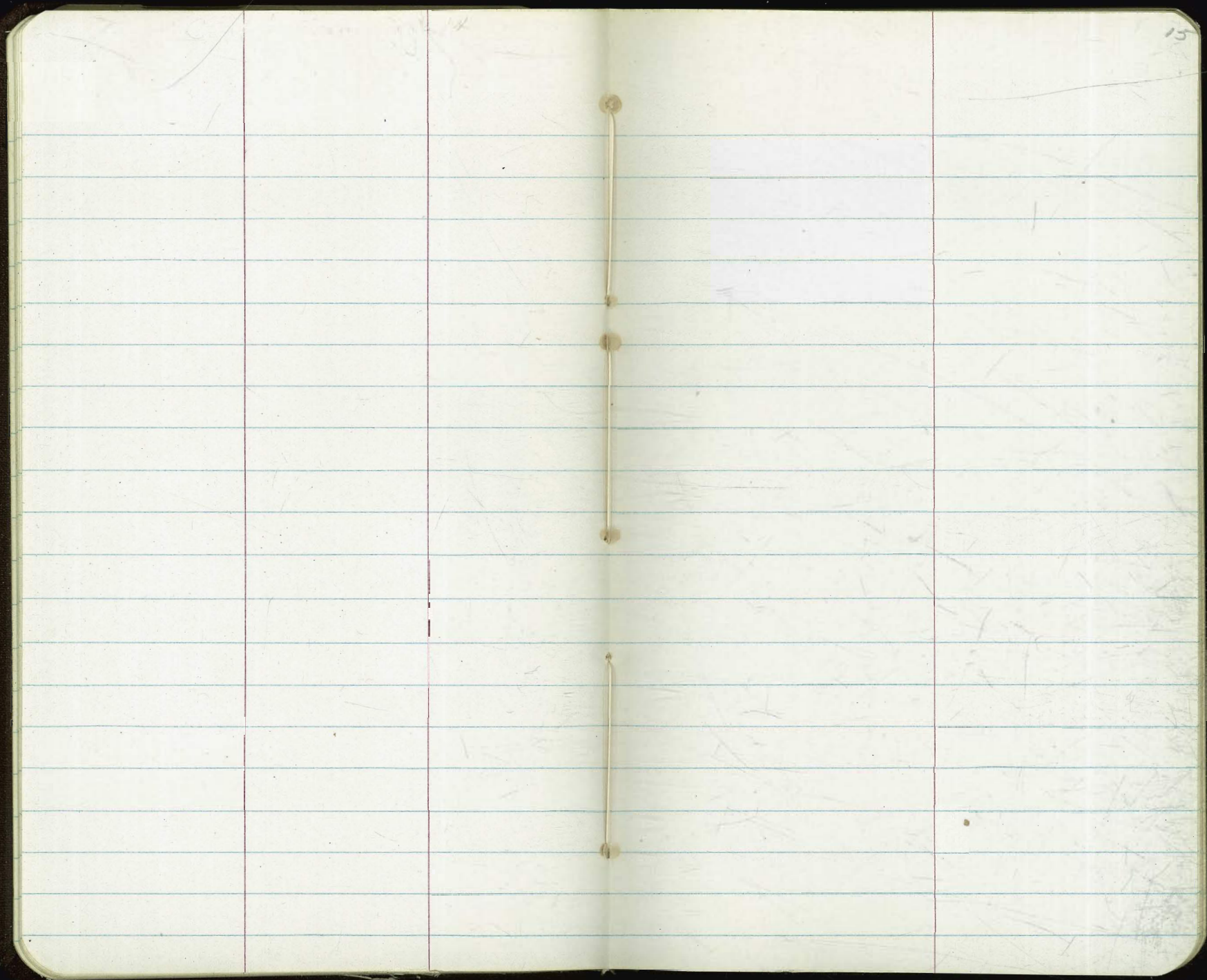
226.23

21+50

235.54
227.61
C 7.93

21+20

234.32
225.90
C 8.42



Roberts
Grade Stakes for Outfall Sewer
Montezuma Rd. and Marcellana Rd.

Indexed 17

	8433 L	217.02		225.61
2+00		209.68	4+48	217.74
		C 7.34		C 8.47
		215.68		223.74
1461.78 MA #1 65 26 RY NLY.		208.49	4+00	215.90
		C 7.19		C 7.84
		214.30		222.64
1+20		207.72	3+60	214.66
		C 6.58		C 7.98
		212.80		221.31
0+80		206.98	3+20	213.41
		C 5.82		C 7.90
		209.61		220.07
0+40		206.24	2+80	212.17
		C 3.37		C 7.90
		205.50	2+50.4 ^{Begin Conc.} Encasement	
0+00	EXIST MH		2+40	219.06
				210.92
				C 8.14
BM		204.89 Invert	EXIST MH. at Marcellana & Littlecreek Rds	

7720	247.91 235.96 C 11.95	9760	273.61 260.95 C 12.66
------	-----------------------------	------	-----------------------------

6780	246.01 232.87 C 13.14	9720	270.08 256.33 C 13.75
------	-----------------------------	------	-----------------------------

6752.4	Begin Crushed Rock Bed.		266.17 251.71 C 14.46
--------	----------------------------	--	-----------------------------

6770	241.20 229.79 C 11.41	8780	
------	-----------------------------	------	--

6700	235.05 226.70 C 8.35	8740	260.57 247.09 C 13.48
------	----------------------------	------	-----------------------------

5760	231.09 223.62 C 7.47	8700	251.10 242.47 C 8.63
------	----------------------------	------	----------------------------

5700.4 MHP 6 20 RPNLY	227.89 219.02 C 8.87	7772.4 NA#3 6 20 RPNLY.	246.36 237.98 C 6.38
--------------------------	----------------------------	----------------------------	----------------------------

10794.85 Exist MH,
YERBA SANTA DRIVE S,
Montezuma

284.59
9.68

294.26 Rim
297.66

10756.85 Cutoff Wall

287.76
276.21
C 11.55

10723.53 MH #4
7.95 @ 20 RP on Split

275.93
268.98
C 6.95

Roberts
Cota
Moore
Follen
Sept. 18, 1951
W.O. 31921

Grade/Stakes Alley Blk. Ocean View
and Blk. Sunset Grove
Between Long Branch & Brighton
From Guizot to Brighton
8636 L
FB2084 pg 23

Indexed

20

	10367	107.20	1781	119.55 118.56 C 0.99	118.56 118.52 3' F 0.04
0+43	10334 C 0.33	103.51 C 2.69 3'			
	10096 100.80 C 0.16	103.99 101.00 C 2.99 3'		1758 3 116.82 115.94 F 0.08	116.06 115.55 4.5R F 0.51
0+20 BRK 3R					
	10030 97.25 C 3.05		1735 4 113.49 112.65 C 0.84		113.55 112.94 3' F 0.61
0+12 Sew. Lat #3					
			1712 - 3 110.95 110.84 F 0.11		111.05 111.04 C 0.01 117 chisel
0+10 Sew. Lat #2		10258 97.05 C 5.53	0+90 Sew Lat #1 109.71 103.65 C 6.06 109.22 108.41		109.36 108.53 C 0.83 1.0 chisel
0+00 Ely. Line Guizot	98.41 ✓	99.01 ✓			
			0+66 0.25 nail 106.33 105.87 C 0.46		107.57 106.02 1.73 C 1.35 chisel

BM

9143 S.E. 7' Ed. Sect Long Branch & Guizot

3+10	3'	132.47 132.34 F 0.13	132.33 131.69 3' F 0.64	4+30 0.25 chisel	14409 143.14 C 0.95	142.75 142.23 3' F 0.72
2+90	3' chisel	130.73 130.44 C 0.29	130.31 129.44 3' F 0.87	4+10 0.15 chisel	14253 141.55 C 0.98	141.35 141.26 3' F 0.09
2+70	3' chisel	129.11 128.34 C 1.07	128.24 127.99 3' F 0.25	3+90 0.13 IN chisel	14053 139.87 C 0.66	14038 139.62 0.05 IN C 0.70 chisel
2+50 PVC	0.18 IN chisel	127.21 126.17 C 1.04	126.09 125.75 3 BK F 0.34	3+70 0.05 IN chisel	13909 138.13 C 0.96	137.95 137.45 3' F 0.50 3'
2+27	4' chisel	124.79 123.63 C 1.16	123.63 123.58 C 0.05 3 BK	3+50 3' chisel	137.05 136.31 C 0.74	136.39 136.14 C 0.25 Line Nail
2+04	0.25 IN. Nail	121.73 121.10 C 0.63	120.97 121.07 C 1.80 1 1/2 nail	3+30 0.05 IN chisel	13470 134.42 C 0.28	134.27 133.48 3' F 0.79

0720 chisel 4' 14901
148.72
C 0.29
148.75
148.21 1' chisel
F 0.54

0710 chisel 4' 14903
14902
F 0.01
149.14
148.65 1' chisel
F 0.49

0700 Alley + S. Stry Line Alley to west 3' 14920
14916
F 0.04
149.40
148.53 3' 3
F 0.87

5+30.62 Lt only grade only 15183
149.40
C 2.43
Same point

5+15.62 wly. line Alley to So. 14993
149.60
C 0.33
149.40

4+82.8 3' 14954
147.74
C 0.40
146.94 ✓
146.88 3'
F 0.06

4+50 EVC 0.4 chisel 14624
144.68
C 1.56
144.74
144.49
C 0.26 3'

0790 0.50 chisel 14666
143.45
C 3.21
14441
143.26
C 1.15 3'

0780 0.50 chisel 14730
144.61
C 2.69
145.16
144.42 3'
C 0.74 3'

0770 0.50 chisel 14766
145.57
C 2.09
145.73
145.41 3'
C 0.32

0760 0.30 chisel 14797
146.33
C 1.64
14634
146.20 3'
C 0.14

0740 0.20 chisel 14854
147.67
C 0.87
14760
147.20 3'
F 0.40

0730 0.20 chisel 14894
148.26
C 0.58
148.24
147.80 1'
F 0.44 chisel

1709.02 Cb. Rad.

Alley BC 142.26

142.09 EC on Street

1700.02 Nly. Line
Brighton

142.81

141.90

Curb 142.44

142.82

141.94

141.94

£ 0.50

Roberts
Cota
Moore
Pollen
Sept 26/1951
WB 31675
Jan. 11, 1952

Grade Stakes 59th St.

Kenwood to Brooklyn

Rough! \approx cb in Red

8105L FB2051 pg 63

EC on Kenwood
No. Side Kenwood
End Curb
205.34 ~~257~~ 205.34
205.12
205.76
~~C 1.81~~
C 2.36
F 0.72

206.4
205.78
203.94
~~C 1.84~~
C 2.5

0+80

210.9
210.56
210.46
C 0.17
C 0.10

210.9
210.00
210.19
F 0.19
C 0.7

Plus 5 End
Curb

206.86
205.26
~~C 1.60~~

206.18
203.95
203.44
~~C 0.51~~

0+50

209.5
~~208.46~~
208.60
~~C 0.75~~
C 0.9
F 0.14

209.2
208.14
208.24
~~C 0.64~~
~~C 1.0~~
F 0.10

EC on
Kenwood

206.77
205.01
~~C 1.86~~

206.28
205.68
203.76
203.62
~~C 0.14~~

0+17

206.53
~~207.43~~
206.55
~~C 0.88~~
F 0.02

206.26
~~206.9~~
206.09
~~C 0.82~~
C 0.17

#2

206.30
204.45
~~C 1.85~~

203.89
203.68
~~C 0.21~~

0+10 on 59th

EC No. Side Kenwood

206.21
207.20
206.17
C 1.09
~~C 2.0~~
C 0.10

206.4
206.00
206.44
205.65
C 0.77
~~C 0.9~~
C 0.35

#1

203.85
203.76
~~F 0.09~~

203.56
203.50
~~C 0.06~~

#1

205.37 ~~206.01~~
205.62
C 1.14
~~C 0.39~~
F 0.11

205.72
~~206.10~~
205.00
~~C 1.10~~
C 0.72

Curb BC So. Side
Kenwood East

203.21
203.11
Nutr!

203.07
203.06
Nutr!

#2

205.23 ~~206.37~~
205.45
~~C 1.10~~
C 0.92
F 0.22

205.92
204.40
~~C 1.42~~

BM

206.61 ♀

Nail 0+00 Sa FB2051 pg. 64

Pear Shape's Folly

24

Indexed

2760	223.2 221.64 221.62 C 1.50 C 0.02	223.7 223.13 221.89 C 1.14 C 0.24	3780	231.8 231.50 230.32 C 1.30 C 0.18	233.7 231.37 230.82 C 1.55 C 0.55
2730	220.9 219.90 219.76 C 1.08 C 0.14	222.1 219.67 219.94 C 1.30 C 0.27	3760	230.3 228.48 229.61 C 1.39 F 0.13	231.4 229.28 229.11 C 1.54 C 0.17
2700	219.0 218.06 217.96 C 1.26 C 0.11	221.7 218.26 217.99 C 1.48 C 0.27	3740	228.1 226.85 226.99 C 1.26 F 0.16	229.5 227.92 227.49 C 1.41 C 0.43
1770	217.3 216.09 216.04 C 1.36 C 0.05	217.6 215.95 216.04 C 0.92 F 0.09	3720	227.4 225.53 225.48 C 1.64 C 0.05	227.9 226.83 225.98 C 1.44 C 0.85
1740	214.5 214.24 214.18 C 0.50 C 0.06	215.1 214.80 214.09 C 0.96 C 0.01	3700	226.2 223.88 224.09 C 1.77 F 0.21	226.5 224.65 224.59 C 1.08 C 0.06
1710	212.3 212.41 212.32 C 0.10 C 0.09 C 0.09	212.8 212.19 212.14 C 0.38 C 0.05	2700 P/C	224.3 222.02 222.80 C 1.50 C 0.22	225.0 223.34 223.30 C 1.00 C 0.04

5750
 246.31
 246.25
 246.12
~~C0.06~~
C0.06

247.6
 246.86
 246.75
 -C0.02
C0.11

5720
 243.81
 243.43
 243.33
 F0.30
F0.02

245.8
 244.02
 243.93
 -C0.75 ✓
~~C0.05~~
C0.09

4490
 240.62
 240.61
 240.32
 239.79
 F0.39
C0.01

240.5
 240.89
 241.11
 -C0.96
F0.22

4460
 238.0
 237.85
 237.79
 -C0.20
C0.06

241.9
 238.30
 238.29
 -C1.55
C0.01

4430
 235.6
 235.41
 234.97
 -C0.92
C0.44

238.0
 235.68
 235.77
 -C1.28
C0.21

4400 EVC
 233.8
 232.37
 232.15
 -C1.27
C0.22

236.1
 232.71
 232.65
 -C1.55
C0.06

254.93
 255.70
 253.90
F0.77
 255.84
 256.30
 255.95
 F0.55
F0.46

END
 Curb

254.34
 253.17
 255.00
 253.30
 F1.70
F0.66
 255.67
 255.50
 254.84
C0.17

6443 BC
 Chisel cross on Lt.
 Rad. Pt.

252.45
 251.89
 251.82
F0.87
C0.56
 252.27
 252.39
 251.82
F0.57
F0.12

6410

248.86
 249.07
 248.44
F0.46
F0.21
 249.47
 249.57
 249.17
F0.40
F0.10

5780

Robert
Cott
P. 1/10
Sept 24, 1957
No. 20859

Grade Stakes Storm Drain
Alley BK 180 University Hts

Indexed

90912 FB 2156 Ppg 1

0+843

286.82
267.44
19.38
11.15
C 8.23

0+619

286.82
270.41
16.41
31.2
C 13.29

0+395 Center
Catch Basin

286.82
275.37
-13.45
150
C 11.75

286.82
288.42 Top
+1.60
150
F 3.10

10.57
13.56

275.01
15.56

261.43 = 261.45

0+376 Alley = 0+6623
on 41' long

0+1975

286.82
274.93
-11.89
171
C 10.18

1+29 ^{W face}
Catch Basin

275.01
261.50
13.51
1160
C 1.91

10' East

0+00

286.82
276.5
-103.2
551
C 4.81

1+06 ⁹

275.01
264.47
10.54
882
C 1.72

BM

7.69 286.82 T

279.13 Top 414

0+6623 See FB 2156 Ppg 7

T.P. 0.60 275.01 T

12.41 274.41

Roberts
Cota
Marc
Fulton
Sept 26, 1951
WD. 31583

Rough Grade Stakes Reed

Daves to Gresham

5BK T.L. if possible to Carb Grade per Berry

8237L, 8238L, 8239L FB 2047 pg 14 & 27-28

Indexed

28

1+60	1272 11.83 C 0.89	1104 10.90 C 0.14	3740	17.02 15.25 C 1.77	1596 14.25 C 1.71
------	-------------------------	-------------------------	------	--------------------------	-------------------------

1+46	1235 11.56 C 0.79	1066 10.67 GRADE	2790	15.69 14.23 C 1.46	1400 13.23 C 0.77
------	-------------------------	------------------------	------	--------------------------	-------------------------

1+20 P/C	1223 11.31 C 0.92	1060 10.47 C 0.13	2740 EVC	1404 13.22 C 0.82	1223 12.22 GRADE
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0+65	1224 10.68 C 1.56	1030 9.98 C 0.32	2720	13.67 12.83 C 0.84	1213 11.83 C 0.30
------	-------------------------	------------------------	------	--------------------------	-------------------------

0+10	10.06 X	9.50 X	2700	13.10 12.47 C 0.63	1163 11.49 C 0.14
------	------------	-----------	------	--------------------------	-------------------------

0+00 East Line Daves	EXIST. 10.02 9.99 ✓	9.42 9.39 ✓	1480	12.83 12.44 C 0.69	1136 11.17 C 0.19
----------------------	---------------------------	----------------	------	--------------------------	-------------------------

BM

9.11 NE. Id. & CT Reed f. Cass

1704	2097 → 20.44 ← C 0.53	→ 19.84 ← 1966 F 0.18			
	2076 19.82 C 0.94	19.22 18.95 F 0.27	3786	25.42 24.16 C 1.26	23.92 23.56 C 0.36
0457				24.40 23.54 C 0.86	23.53 22.94 C 0.59
0410	PP. Cb. Rad. 2064 19.20 C 1.44	18.60 18.34 F 0.26	3739		
				23.88 22.92 C 0.96	23.13 22.32 C 0.81
E.L. Everett 0400	X	X	2192		
TBM	2007	17.83		22.87 22.30 C 0.57	22.23 21.70 C 0.53
4790	opp. ch. (w.l. of) Everts Rad. close + in walk 18.30 C 1.77	17.30 C 0.53 Rwhub	2145		
				22.22 21.68 C 0.54	21.50 21.08 C 0.42
4440	1977 17.28 C 2.49	17.25 16.28 C 0.95	1798		
				21.48 21.06 C 0.42	20.89 20.46 C 0.43
3790	1905 16.26 C 2.79	16.69 15.26 C 1.43	1451		

1405	2118 → 28.38 ← C 0.80	2847 → 27.88 ← C 0.59		
0462.5	2863 27.85 C 0.78	2880 27.35 C 1.45	2470 EVK 3170 3024 C 1.46	3118 29.74 C 1.44
0420 BRK	2829 27.35 C 0.96	2735 26.83 C 0.52	2450 3172 30.07 C 1.65	3024 29.57 C 0.67
0400 E.L. Farnel Exist	27.08 27.08 ✓	26.49 26.48 ✓	2430 3103 29.88 C 1.15	29.83 29.38 C 0.45
5400 Farnel Exist. W.L.	2569 25.66 ✓	25.08 25.07 ✓	2410 3106 29.66 C 1.40	29.77 29.16 C 0.61
4480 BRK	2702 25.41 C 1.61	2603 24.81 C 1.22	1490 PVC 3050 29.43 C 1.07	29.99 28.93 C 1.06
4433	2662 24.78 C 1.84	2545 24.18 C 1.27	14475 2978 21.90 C 0.88	2878 28.40 C 0.38

Cont'd From Page 30

31

4790	off. Rad.	33.55	32.00
	Gresham	32.00	31.50
	sub.	C 1.55	C 0.50
			2XL Rudub

4746		33.57	32.40
		31.64	31.40
		C 1.93	C 1.00

4702		33.16	32.22
		31.29	30.79
		C 1.87	C 1.43

3758		32.96	31.35
		30.94	30.44
		C 2.02	C 0.91

3714		32.36	31.17
		30.59	30.09
		C 1.77	C 1.08

Roberts
Cota
Moore
P. 1160
Oct. 3-1951
W.O. 23708

Curb Grades Illinois St.

Illinois Manor

USER EXIST CURBS

8876-L

Indexed

2750

386.89
386.51
C 0.38

387.25
386.53
C 0.72

2700

386.47
386.16
C 0.31

386.82
386.22
C 0.60

1450

386.11
385.90
C 0.31

386.48
385.90
C 0.58

1700

385.51
385.45
C 0.06

386.25
385.58
C 0.67

Nly Line
3+11.2 Ill. Manor

387.37

387.50

387.34

0750

385.09
384.94
F 0.15

385.87
385.27
C 0.60

3150

387.22
387.15
F 0.07

387.72

387.17

C 0.55

Sly Line
0700 Ill. Manor

384.74

384.95

3100

386.95
386.86
C 0.09

387.10

386.85

C 0.25

Roberts
Cota
Moore
Fisher
Oct 9, 1957
W.O. 31562

Curb Grades Ingraham

Hornblend No. to Alley on East Side
3' Ret. at alley & 3.0' at Hornblend
7015L

6112
29

Indexed

366 Rad. Alley
1422

Street
61.32
60.82
F 0.50
Alley
61.37
60.82
F 0.55

0794

61.12
60.61
F 0.51

0766

60.92
60.47
F 0.45

0738

60.73
60.33
F 0.40

30' Rad. Alley
0710 EC

60.53
60.22
F 0.31

My Line Hornblend
0700 Exit Curb

60.46
60.45

BM

60.16 & Ldg

END Alley
1425 Rad. Alley

6313
61.55
C 1.58

CT. Hornblend & Ingraham FB1998 pg 42

Roberts
Cota
Name
Pillin
10-15-51
W.O. 315.83

Cuba Grade Stake Reed
Fauvel to Bresham

Indexed

34

1440

8239L

3+00

30.50
→ 30.48 ←
00.02

→ 29.98 ←
29.75
F 0.23

1440

28.81
28.46
F 0.35

28.31
27.86
F 0.45

2+70 EVC

30.24
29.97
F 0.27

29.74
29.44
F 0.30

1410

28.44
27.79
F 0.65

28.02
27.94
00.08

2+50

30.07
29.92
F 0.15

29.57
29.37
F 0.20

0+80

28.07
27.80
F 0.27

27.58
27.57
00.01

2+30

29.88
29.66
F 0.22

29.38
29.20
F 0.18

0+50

27.80
27.70
00.10

27.08
27.20
F 0.12

2+10

29.83
29.66
C 0.17

29.16
28.98
F 0.38

0+20 BRK

27.33
27.16
F 0.17

26.83
26.55
F 0.28

1+90 P/C

29.43
29.31
F 0.12

28.93
28.61
F 0.32

0+00 E.L. Fauvel
Exist

27.08

26.48

1+70

29.18
29.02
F 0.16

28.68
28.66
F 0.02

4490 BC

→ 32.00 ←
31.71
F0.29

3159
→ 31.50 ←
C0.09

4470

3199
31.84
C0.15

3134
31.14
F0.20

4450

3188
31.68
C0.20

3129
31.18
C0.11

4420

3182
31.44
C0.38

3113
30.94
C0.19

3790

3121
31.20
C0.01

3074
30.70
C0.24

3760

30.96
30.45
F0.51

30.46
30.13
F0.33

3730

30.72
30.37
F0.35

30.22
29.87
F0.35

→ 32.00 Stake
5700 END Co, 32.05
W.L. Graham F0.05

31.38 ← Stake
31.52
F0.14

Roberts
26-57

Curb Stakes Road to
Events to Forest

Indexed

	8238L		2180	→ 22.76 2226 F0.50	22.16 ← 2174 F0.42
0+70	19.99 19.66 F0.33	1952 19.39 C0.13	2150	22.37 2220 F0.17	21.77 21.19 F0.58
0+40	19.60 18.93 F0.67	1910 19.00 C0.10	2120	22.17 21.97 C0.20	21.37 20.79 F0.58
BC=0+10	19.20 18.77 F0.43	2106 18.60 C2.46	1790	21.58 21.19 F0.39	20.98 20.61 F0.37
#1 PLEvents =0+00	19.10 18.63 F0.47	1875 18.50 C0.25	1760	21.18 20.80 F0.38	20.58 20.36 F0.22
#2	19.08 17.92 F1.16	1855 18.36 C0.19	1730	20.77 20.00 F0.78	20.18 20.05 F0.13
#3 R. Road	19.17 18.60 F0.57	1824 18.17 C0.07	1700	20.39 19.65 F0.74	19.79 19.14 F0.05

4780 BRK	→ 25.41 25.01 F0.40	24.81 ← 24.71 F0.10
4760	25.14 24.54 F0.60	24.58 24.54 C0.04
4730	24.74 24.46 F0.28	24.40 24.17 F0.26
4700	24.35 24.29 F0.06	23.79 23.73 C0.04
3770	24.16 23.95 C0.21	23.40 23.35 C0.05
3740	23.56 23.50 F0.06	22.96 22.80 F0.16
3710	23.26 23.16 C0.10	22.56 21.91 F0.65

Rt. Panel 25.66
5700 Exist Br. 25.69

25.07
OK

Roberts

Curb Station Read
Paves to Events

Indexed

8237L

2+70

→ 13.83
13.11
F0.72

12.83 ←
12.92
F0.41

1+20 PK

11.31
11.04
F0.27

10.47
10.34
F0.13

2+40 EVC

13.22
12.50
F0.72

12.22
12.06
F0.16

1+00

11.08
10.68
F0.40

10.30
10.30
Grade

2+20

12.83
12.17
F0.66

11.83
11.64
F0.19

0+70

10.74
10.53
F0.21

10.03
10.00
F0.03

2+00

12.49
12.01
F0.46

11.49
11.30
F0.19

0+40

10.40
9.94
F0.46

9.77
9.64
F0.13

1+80

12.14
11.64
F0.50

11.17
10.77
F0.40

0+10 BC

10.06
9.55
F0.51

12.36
9.50
C 2.86

1+60

11.83
11.31
F0.52

10.90
10.72
F0.18

Pl. Dams
0+00 Exit Pav

10.02

9.42
9.37

1+40

11.56
11.35
F0.21

10.67
10.46
F0.21

4780

→ 18.09
1727
F0.8217.09 ←
1687
F0.22

4750

17.48
1707
F0.3916.48
1585
F0.63

4720

16.89
1638
F0.7915.89
1553
F0.34

3790

16.27
1593
F0.3415.27
1514
F0.13#3 ^{Pl. Root}19.15
1848
F0.6717.60
1695
F0.65

3760

15.66
1536
F0.3014.66
1434
F0.32

#2

18.83
1792
F0.9117.60
1687
F0.73

3730

15.05
1446
F0.5914.05
1402
F0.03#1 ^{Pl. Roots}18.50 ✓
1715
F1.3517.47
1680
F0.67

3700

14.44
1434
F0.1013.45
13.44
00.01

4790BC

18.30
1723
F0.8717.30
1672
F0.58

Roberts
Cota
Moore
Pulley
10-18-51
W.O. 62231

Grades Stalks Taft Ave

Forward Northerly

45' offset on East

9086L FB 1172 pg 73

Indexed

167.07
159.28
C 7.79

4+70 DE.

2+00

150.93
145.00
C 5.93

164.48
157.60
C 6.88

4+40

TR. 149.53

148.68
143.04
C 5.64

1+60

162.48
153.36
C 7.12

4+60

1+20

146.46
141.08
C 5.38

159.94
153.12
C 6.82

3+60

0+80

144.53
139.12
C 5.41

TR. 152.54

157.97
150.88
C 7.09

3+20 MH #1

0+40

141.77
137.16
C 4.63

153.47
148.92
C 6.55

2+80

East MH
0+00 Forward & Taft

135.20

153.30
146.96
C 6.34

2+40

B.M.

M.H. 16 2d ECT

E Taft & Forward

Roberts
Cote
North
Folio
10-23-51
W.B. 2006

Grade Stakes Trojan (Nly Side)

50th to Alameda
For Fill Purpose
Profile 853 TP 23 Pg VII & VIII
FB 601 pg 38

Indexed

41

1+05

371.90
369.30
F 2.60

0+85

372.41
368.96
F 3.45

2+70.13 ^{w.l.} Alameda

370.56
370.00
C 0.56

0+65 PVC

373.04
367.62
F 5.42

2+25

370.95
370.45
C 0.50

0+36 E

373.91
372.87
F 1.04

1+85

371.49
370.85
C 0.64

0+08

375.52
374.78
C 0.74

1+45 EVC

371.76
371.25
C 0.51

0+00

E.L. 50th

375.76
374.98
C 0.78

1+25

371.51
370.39
F 1.12

BM

376.11 NWBP

Trojan 1/2 50th

Roberts
Mount
Piller
12-10-51
W.G. 26895

Grade Stakes Storm Drain
B.K. & Valencia PK #1

Indexed

42

9191-L

1+04 BRK

161.65
157.01
C 4.64

2+50

155.92
153.07
C 2.85

0+96 BRK

160.68
157.35
C 3.33

2+25

157.16
153.74
C 3.42

0+75

159.75
158.61
C 1.14

2+00

160.18
154.42
C 5.76

0+50

161.36
160.11
C 1.25

1+75

159.61
155.09
C 4.52

0+23

163.00
161.61
C 1.39

1+50

159.43
155.79
C 3.66

0+00 ^{Exist} San Jacinto

163.11

1+25

160.78
156.44
C 4.34

B.M

176.12

Disc SW Cor
Marzaneros
San Jacinto

4+00

151.65
149.02
C 2.63

1+00

159.34
157.34
C 2.00

3+75

152.54
149.70
C 2.84

0+75

162.70
159.84
C 2.86

3+50

154.24
150.37
C 3.87

0+50

164.65
162.34
C 2.31

3+24.80

Cleanout
L.P.

155.78
Drop
153.64
C 2.14
153.78
Inv.
151.05
C 4.73

TOP
158.0
155.78
F 2.22

0+25

166.60
164.84
C 1.76

3+00

154.18
151.72
C 2.46

EXIST
0+08 MONTANAIS

167.34

2+75

153.78
152.39
C 1.39

4+34.35 END

150.65
148.09
C 2.56

1737 cleanout
= 3724.80

155.78
153.64
C 2.14

Roberts
Cota
Moore
Pullen
12-17-51
W.O. 31891

Grade Stakes Alley B/K "C"
Starkey's Prospect Park

Indexed

45

FE 2101 pg 10 8689L

0+90 EVC	3'	81.29 80.58 C 0.71	8085 80.28 C 0.57	15' 2+21	3'	83.58 83.17 C 0.41	84.10 82.87 C 1.23
----------	----	--------------------------	-------------------------	----------	----	--------------------------	--------------------------

0+70	3'	80.87 80.07 C 0.80	80.17 79.77-1' C 0.40	2701 PVC	3'	82.74 82.72 C 0.02	83.79 82.42 C 1.37
------	----	--------------------------	-----------------------------	----------	----	--------------------------	--------------------------

J.P. 79.78		80.30	79.56	1780.8 SewLat	3'	82.45	82.27
0+50	2'	79.31 C 0.99	79.04 C 0.52	5'	1775.5	5' C 0.22	81.93 C 0.34

0+30	2'	80.58 78.32 C 1.76	79.26 78.06 C 1.20	5'	1450	3/3 81.75 C 0.58	82.46 81.45 C 0.71
------	----	--------------------------	--------------------------	----	------	------------------------	--------------------------

0+10 PVC	3'	79.44 77.08 C 2.36	78.83 76.86 C 1.97	3'	1430	3/3 82.04 81.36 C 0.68	81.99 81.06 C 0.93
----------	----	--------------------------	--------------------------	----	------	---------------------------------	--------------------------

0+00	La Jolla Blvd Exit Pav.	76.39	76.20	1+10	3'	81.14 80.97 C 0.17	81.49 80.67 C 0.82
------	----------------------------	-------	-------	------	----	--------------------------	--------------------------

BM

71.98 SWBP
Bonair & La Jolla

		90.19	89.97		98.96		99.03
3+80	3'	89.82	89.52	5+78	98.82		98.52
		C 0.37	C 0.45		C 0.14		C 0.51
		88.52	88.02		98.07		98.69
3+47	3'	88.32	88.02	5+45	97.32		97.02
		C 0.20	GRADE		C 0.75		C 1.67
		86.70	87.98		99.40		95.55
3+14	3'	86.82	86.52	5+12	95.82		95.52
		F 0.12	C 1.46		C 1.58		C 0.03
		85.75	85.94		94.27		94.26
2+81 EVC	3'	85.32	85.02	4+80.8	94.32	90.53	94.02
		C 0.43	C 0.92	4+79	F 0.05	90.20 PL (5)	C 0.24
						C 4.33	
		85.12	85.19		92.70		92.50
2+61	3'	84.49	84.17	4+46	92.82		92.52
		C 0.65	C 1.02		F 0.12		F 0.02
		84.11	84.69		91.14		91.12
2+41	3'	83.76	83.46	4+20.8	91.31	87.70 PL (5)	91.02
		C 0.35	C 1.23	4+13	91.32	C 3.44	C 0.10
					F 0.01		

7+10.98 Pl. Drapes 106.65 ←

106.66 ←

7+01 3' 105.79
106.43
F 0.64

106.43
106.20
C 0.23 5'

1+40 PVC

83.74
83.62
C 0.12

84.84
83.92
C 0.92

6+91 EVC 3' 105.03
105.63
F 0.60

105.56
105.33
C 0.23 3'

1+10

83.31
83.15
C 0.16

83.79
82.45
C 0.34

6+71 3' 103.95
103.99
F 0.04

103.78
103.69
C 0.09 5'

0+80

83.23
82.69
C 0.54

83.19
82.99
C 0.20

6+51 3' 102.77
102.57
C 0.20

101.65
102.27
F 0.62 3'

0+50

82.43
82.22
C 0.21

82.62
82.52
C 0.10

6+31 3' 101.40
101.34
C 0.06

102.26
101.04
C 1.22 3'

0+20 BRK 0.31N

82.90
81.76
C 1.14

82.32
82.06
C 0.26

6+11 PVC 3' 100.91
100.33
C 0.58

101.96
100.03
C 1.93 3'

n.2. of
0+00 E/W Alky

81.36
C 0.68

81.75
C 0.58

See page 45

2105.18 PL Nautilus

81.85

82.39
✓

2100 EVC

84.19

84.62

82.17

82.68

C2.02

C1.94

1480

84.37

85.16

83.18

83.58

C1.19

C1.58

1460

84.32

85.07

83.66

83.99

C0.66

C1.08

Robert
Cota
1-31-52
W.P. 22004

Grade Stake Wabasha Freeway

1778 & 1779D

FB208579 42

Sta.	Grade	Grade Rod.	69' L ₁	E	38' R ₂
30+00	31.08	25.7 22.32	C18.9 76.9	C13.7 0	C5.4 43.4
			C18.6 87.6		
		312 30.1 C1.1	C18.9 81.9		C4.1 48.4
			C18.9 92.6		
SM	8.76	56.78 53.40		44.64	
29+50	31.95	12.1 11.86	C9.1 67.1	C6.7 0	C1.1 39.1
			C9.2 78.2		
		320 30.95 C1.0	C9.2 72.1		C1.1 44.1
			C9.3 83.2		
T.P.	9.78	43.81	0.38	33.83	
29+00	32.82	11.23 1.39	E3.0 62.5	F5.9 0	F7.8 49.7
			E2.3 72.5		
			E2.7 67.5		F7.7 54.7
			F1.9 77.5		
			44.05		
T.P.	0.38	34.21	13.00	33.83	
BM	2.19	46.83		44.64	Hub Sta. 29+82.87

Indexed

Elev. 32.43 - RP 100' L₁ Hub 29+00

Sta.	Grade	Grade Rod.	69' L ₁	E	38' R ₂
32+00	27.60	29.18 12.12 26.43	C22.5 80.5	C14.9 0	C2.1 40.1
			C24.6 93.6		
		281 26.6 C1.5	C24.2 85.5		C0.5 45.1
			C25.5 98.6		
				5' R.P.	
31+50	28.47	28.31 11.23 25.56	C25.3 83.3	C15.5 0	C0.5 38.5
			C26.3 95.3		C1.5 39.5
			C25.8 88.3		F1.4 43.5
			C26.6 100.3		F0.5 44.5
				5' R.P.	
31+00	29.34	27.44 10.38 24.69	C24.5 82.5	C15.4 0	F1.0 39.5
			C25.7 94.7		C0.6 38.6
			C24.8 87.5		F2.4 44.5
			C26.4 99.7		F0.8 43.6
				5' R.P.	
T.P.	140	54.03	0.77	52.63	
30+50	30.21	26.57 23.19 9.58	C23.1 81.1	C16.1 0	C5.1 43.1
			C24.1 93.1		C5.7 43.7
			C23.5 86.1		C3.3 48.1
			C24.8 98.1		C4.3 48.7
				5' R.P.	
				37.72	
				56.78	
				53.40	

1-3
110

Sta	Grade	Grade Rod	69' L+	0	38' R+	Sta	Grade	Grade Rod	70.1' L+	0	38' R+
33+90	27.29 24.32	8.02 25.23	C15.0 73	C13.4 0	C1.6 39.6	35+30	25.40	14.93 12.46	C8.3 68.1	C2.5 0	
	250 23.3 C 1.7	5'R.P.	C15.7 84.7		C0.6 44.6	XXXXXX		5'R.P.	C8.6 77.4		F8.2 51.0
3 TAN	4.57	49.56T	C15.9 89.7	44.99					C8.6 77.4		
check	26.46	7.19	9.07	44.96 = 44.99		3X3 Sta. 30+79.33					
33+40	25.15	28.88	C17.4 75.4	C14.8 0	C2.3 70.3	35+30	22.40	17.93 15.46	C11.5 71.3	C5.5 0	F5.3 46.0
	26.6 24.2 C 2.4	5'R.P.	C18.2 87.2		C0.9 45.3			5'R.P.	C11.8 82.6		F5.2 51.0
			C17.8 80.4						C11.7 76.3		
			C18.5 92.2						C11.9 87.6		
								23.32T			
33+00	25.76 25.85	1.49 28.18	C19.3 77.3	C13.3 0	C3.3 41.3	34+90	22.88	17.45 14.98 9.46	69' C12.5 70.5	C12.0 0	38' F5.2 45.8
	270 24.9 C 2.1	5'R.P.	C20.1 89.1		C1.8 46.3		23.2 21.9 C 1.3	5'R.P.	C12.9 81.9		F5.2 50.8
			C19.6 82.3						C12.7 75.5		
			C20.5 94.1						C13.0 96.9		
				32.34T							
32+50	24.88 26.73	12.99 27.30	C21.6 79.6	C14.3 0	C3.2 41.2	T.P.	0.62 16.77 23.56	37.86T 9.78 26.00	12.32 C13.7 71.7	37.24 C12.3 0	F3.0 42.5
	270 25.7 C 1.5	5'R.P.	C23.2 92.2		C1.4 46.2		23.9 22.6 C 1.3	5'R.P.	C14.3 83.3		F4.4 47.5
			C22.3 84.6						C13.9 76.7		
			C23.7 97.2						C14.4 88.3		
				39.72T 56.61T 54.03T				32.34T 40.33T 49.56T			

T.P.	5.80	19.31	8.69	13.51
T.P.	0.72	22.20	12.55	21.78
T.P.	2.03	34.03	5.86	32.00

Sta.	Grade	Grade Rod	Lt	L	Rt
36+90	23.91	16.42 13.95 +0.59	⁷⁵ C 7.4 71.4 C 7.6 82.6 C 8.2 76.4 C 8.1 87.6	F10.5 0	F55 42.8 F5.5 47.8
		5'R.P.			
36+40	24.29	16.04 13.57 +0.99	^{72.8} C 7.3 69.1 C 7.3 80.1 C 7.2 74.1 C 7.4 85.1	F10.9 0	F5.7 42.1 F7.5 47.1
		5'R.P.			
35+90	24.74	15.59 13.12 +1.42	⁷² C 7.2 68.2 C 7.5 79.5 C 7.2 73.2 C 7.9 84.5	F11.2 0	F7.9 45.4 F7.8 50.4
		5'R.P.			
35+40	25.28	15.05 12.58 +1.96	^{71.4} C 8.2 68.6 C 8.6 80.0 C 8.5 73.6 C 8.7 85.0	F0.9 0	F8.3 46.0 F8.4 51.0
		5'R.P.			
		23.32 40.33 37.86			

Sta.	Grade	Grade Rod	Lt	G	Rt
38+50	23.02	+3.71 +1.41	C 9.8 60.2 F8.2 57.8 F9.7 65.2 F9.7 87.8	F9.6 0	F9.9 52.4 F7.7 57.4
		5'R.P.			
38+00	23.29	+3.98 +1.69	F10.1 57.7 F7.9 54.4 F9.9 62.7 F8.7 84.7	F10.0 0	F10.2 51.8 F9.5 56.8 F10.1 56.8 F9.9 70.8
		5'R.P.			
		21.61			
37+40	23.61	+4.30 +0.29		F10.3 0	F6.5 45.3 F7.7 50.3
		5'R.P.			
37+10	23.79	+4.48 +0.47		F10.5 0	F5.5 42.8 F5.7 47.8
		5'R.P.			
		23.32 19.31			

Sta.	Grade	Grade Rod	Lt	E	Rt
40+50	21.96	+0.04 +2.67	F8.8 64.7	F8.2 0	
2+00	21.87	+2.58			F6.5 22.3 OK
		5'R.P.	OK F8.5 69.7	F7.9 84.7	F5.0 27.3 OK
T.P. (2.50) 40+00	22.23	(19.29) +2.92 +0.51	F9.1 65.2	F8.7 0	(2.52) (16.77)
1+50	22.14	+2.83 +0.47	F9.0 70.2 OK		F8.0 24.5 OK
		5'R.P.	F9.0 85.2		F7.7 29.5 OK
					F7.3 44.5
39+50	22.49	+3.18 +0.51	F9.6 65.2	F8.9 0	
1+00	22.40	+3.09 +0.79	F9.2 64.6		F8.8 25.7 OK
		5'R.P.	F9.5 70.2		F8.7 30.7 OK
			F9.7 104.6		F8.5 45.7
39+00	22.76	+3.45 +0.84	F9.5 62.8	F9.3 0	
0+50	22.67	+3.36 +1.06			F9.4 26.6 OK
		5'R.P.	F9.4 67.80 OK		F9.4 31.6 OK
			F9.6 92.8		F9.0 46.6
38+66.29 0+00 T.	22.93	+1.52	F5.9 21.1		
			F9.1 46.1		
		21.61 19.31			

Sta.	Grade	Grade Rod	Lt	E	Rt
42+88.84 4+23.83	20.69	+1.40			F5.9 21.4 F5.7 26.4
1+2 T.		5'R.P.			
42+50	20.90	+1.61	F7.3 62.5	F6.4 0	
4+00	20.81	+1.52			F5.8 21.2 F5.7 26.2
		5'R.P.	F7.4 67.5		
					2' Surcharge
42+00	21.16	+1.87	F7.8 63.2	F6.2 0	
3+50	21.08	+1.79			F5.7 21.1 F5.4 26.1
		5'R.P.	F7.7 67.2		
			F8.3 83.2		
41+50	21.43	+2.04	F8.1 63.7	F6.6 0	
3+00	21.34	+2.05			F5.8 21.2 F5.9 26.2
		5'R.P.	F8.0 68.7		
			F8.0 83.7		
41+00	21.70	+2.41	F8.1 64.6	F8.2 0	
2+50	21.61	+2.32			F6.5 22.3 F6.6 27.3
		5'R.P.	F8.4 69.6		
			F8.2 84.6		
		21.92 19.29			

Clean out Exist
0+55.4

0+26 & W.P.L.

0+00

wly 12.71
13.04 Cb. 10.40 INVERT
12.71 C 2.31
F 0.33

1+42 S/Wy End Culvert

1+18

0+98

0+78 E West Point Loma

0+52

0+26

slly End
0+00 Double 54" RCP Culvert
(Sta. 31+75 West Point Loma)

14.23 4# Disc

14.45
9.22 INVERT EXIST
C 5.23
14.01
9.85
C 4.16

Ely
13.04 Curb (A)
12.71
F 0.33

5.00
4.32
F 0.68

19.76
6.19
C 13.57

19.67
7.18
C 12.49

20.36
8.16
C 12.20

19.73
9.44
C 10.49

22.97
10.72
C 12.25

15.32
12.00
C 3.32

24" C.M.P. at Sta. 42+00

(10' offset)

53

Ely
1+34.00 END

1+01.25

0+67.50

0+33.75

wly
0+00 END

16.26
14.50
C 1.76

17.07
14.56
C 2.51

16.51
14.62
C 1.89

17.15
14.69
C 2.46

18.12
14.75
C 3.37

Roberts
Cota
Moore
Pollen
2-8-52
W. 031725

Grade Stakes Alley Block 153 Univ. Hts.
From Polk to Howard
Between Utah & Kansas
8735-L
FB21207916

Indexed

54

		371.27	370.23	3+10	3' BK	370.52 370.50 E0.02	370.70 370.32 C 0.38	3' BK
1+30	0.42 BK Nail	369.80 C 1.47	369.60 C 0.63					
						370.57 370.40 C 0.17	370.70 370.20 C 0.50	3' BK
1+00	0.36 BK Nail	370.89 369.68 C 1.21	371.40 369.48 C 1.92	2+80	1.12 BK Nail			
						371.30 370.28 C 1.02	370.72 370.08 C 0.64	3' BK
0+70	0.63 BK Nail	370.45 369.56 C 0.89	370.12 369.36 C 0.76	2+50	1 BK +			
						370.45 370.16 C 0.29	370.21 369.96 C 0.25	3' BK
0+50	2' BK +	369.95 369.73 C 0.52	370.45 369.25 C 1.20	2+20	1 BK			
						371.78 370.04 C 1.74	371.17 369.84 C 1.33	0.64 BK Nail
0+30	2' BK +	369.79 369.21 C 0.58	370.33 369.09 C 1.24	1+90	2' BK			
						370.70 369.92 C 0.78	371.19 369.72 C 1.47	0.88 BK Nail
0+00	No. Line Polk	368.00	368.81	1+60	3' BK			
BM			368.47					

NEBP
368.47 Utah & Polk

4490	37151 37124 3' BK C 0.27	37157 37104 C 0.53 3' BK	check	373.85	55 SWBP Utah & Howard 373.87 Osborn 373.95 Beedbrook	
4460	37148 37112 2' BK + C 0.36	37248 370.92 C 1.56 0.07 BK Nail				
4430	37133 37100 3' BK C 0.33	37122 370.80 C 0.42 3' BK	So. Line 6±00 Howard	371.67 371.68 371.68	371.48	
4700	37133 370.88 3' BK C 0.45	37105 370.68 C 0.37 3' BK	5+80	1.96' + House	37237 371.60 C 0.77	371.66 371.40 C 0.26 2' BK
3770	37102 370.76 3' BK C 0.26	37384 370.56 C 3.28 0.40 BK Nail	5+50	1.51' Nail	37234 371.48 C 0.86	371.37 371.28 C 0.09 3' BK
3740	37092 370.64 2' BK C 0.28	370.83 370.74 C 0.39 2' BK	5+20	3' BK	37140 371.36 C 0.04	37143 371.16 C 0.27 3' BK

Roberts
Cota
Pollen
2-29-52
W.A. 20888

Grade Stakes Storm Drain

Lst 10 Leman Villa
Adjacent Sharron Place

Indexed

9154L FBZ117-43-085
360.85
354.40

Top down
366±

2+00

364.0 62.7 C 6.75 ✓

4+10.73 66.0 368.5

364.51
356.30 ← Grade ✓
C 8.21

1+60

362.2 62.6 C 6.36 ✓

4+00 66.0 368.5

364.88
356.20
C 8.68 ✓

1+20

360.1 60.1 C 6.32 ✓

3+60 66.0 368.0

365.74
355.84
C 9.90 ✓

0+80

359.3 62.9 ✓

3+20 66.0 365.7

362.90
355.48
C 7.42 ✓

0+40

359.3 61.7 ✓

2+80 62.0 364.7

361.20
355.12
C 6.08 ✓

0+12

358.8

361.21

Vale &
0+00 Sharron

352.0 Osborne → 352.60
351.73 - SE Emt

2+40 63.0 364.5

354.76
C 6.45 ✓

F 0.87

BM

361.07 SWBP
Trojan & Sharron

Red Elev. are ground shots!

Grade Stakes Wabasha Drive

See Page 49

40+00

22.23

19.63

~~20.63~~

43+00

39+50

22.49

19.90

~~20.90~~

42+50

39+00

22.76

20.16

~~21.16~~

42+00

2.50 surcharge

↑ 80' Row from R

38+50

23.02

21.43

41+50

38+00

23.29

21.70

41+00

see to grade

37+40

23.61

21.96

40+50

4475.55

18.70
19.70

4400. —

19.10
20.10

43750

19.37
20.37

Roberts
Beta
Moore
#352
W.O. 20009

Grade/Spikes For Sewer Dept.
off Bonita Dr. Valencia Fl.

Indexed

1725
107.61
100.62
C 6.99

1700
107.26
100.50
C 6.76

0+75
107.12
100.37
C 6.75

0+50
106.39
100.25
C 6.14

0+25
105.84
100.12
C 5.72

1766 MH

106.95
100.83
C 6.12

0+00 Exist. MH
100.00 Assumed
0.10 above INVERT

1750

107.52
100.75
C 6.77

99.90 = EI 232.00'

99.9
0
100.9

Roberts
Cota
Moore
Pollen
4-7-52
Wca 31904

Grade Stakes Alley Block 5 Chester PK. ADD.
Orange to El Cajon
Between 47th & Menlo

1700
0.55 BK
mail
5971L
352.75
354.62 Nail
C 1.87

0780
5 BK
352.54
354.38
F 0.16

0760
3 BK
352.33
352.12
F 0.21

0740
chd +
1 BK
352.12
352.00
F 0.12

0720 BRK
3 BK
352.49
351.91
C 0.58

N Line
0700 Orange
351.70
351.64

BM
ckr walk
NWBP
354.64
47th & Orange

353.32
352.75
C 0.57
2 BK
354.17
352.54
C 1.63
0.20 BK
Nail

353.23
352.33
C 0.90
3 BK
chd +

353.50
352.12
C 1.38
3 BK

353.28
351.91
C 1.37
3 BK

352.00
351.87

Indexed

2740
3 BK
354.74
354.48
C 0.26

2720
3 BK
chd +
354.31
354.18
C 0.13

2700
3 BK
353.88
353.40
F 0.48

1780 BRK
3 BK
353.58
353.50
F 0.08

1760
0.12 BK
Nail
354.60
353.38
C 1.22

1740
3 BK
353.17
352.96
F 0.21

1720
3 BK
352.96
352.96
F 0.04

355.29
354.48
C 0.81
3 BK

355.01
354.18
C 0.83
5 BK

354.33
353.88
C 0.45
3 BK

354.27
353.58
C 0.69
3 BK

354.03
353.38
C 0.65
5 BK

353.15
353.17
C 0.58
3 BK

353.44
352.96
C 0.48
3 BK

3780

356.72
356.59
C 0.13
3' BK
chisel

357.21
356.59
C 0.62
3' BK

5720

358.75
358.65
C 0.10
3' BK

359.61
358.65
C 0.96
2' BK
chisel

3760

356.28
356.10
F 0.18
3' BK

357.05
356.28
C 0.77
2' BK

5700 PVC

1.20 IN
Nail
on
Pile

357.81
358.40
C 1.41

358.98
358.40
C 0.58
3' BK

3740

355.98
355.96
F 0.02
3' BK

356.59
355.98
C 0.61
2' BK

4780

1.10 BK
Nail

360.00
358.09
C 1.91

358.88
358.09
C 0.79
2' BK

3720

355.68
355.64
F 0.04
3' BK

356.30
355.68
C 0.62
3' BK

4760

3' BK

357.79
357.52
F 0.27

358.72
357.79
C 0.93
2' BK
chisel

3700

356.39
355.38
C 1.01
0.20 BK
Nail

356.81
355.38
C 1.43
Line
Nail

4740

3' BK

357.49
357.04
F 0.45

358.17
357.49
C 0.68
2' BK
chisel

2780

355.08
355.08
GRADE
3' BK

356.32
355.08
C 1.24
0.05 BK
Nail

4720

3' BK

357.19
357.00
F 0.19

358.24
357.19
C 1.05
chisel

2760

355.02
354.78
C 0.24
3' BK

355.93
354.78
C 1.15
Line
Nail

4700

3' BK

356.89
356.83
F 0.06

357.58
356.89
C 0.69
3' BK

6760 3BK 359.14
358.37
C 0.77

358.91
358.37
C 0.54 3BK

7780 3BK Fav. Nail 353.38
353.33
C 0.05

353.42
353.33
C 2.09 0.53BK Nail

6740 3BK 359.04
358.48
C 0.56

358.70
358.48
C 0.22 3BK

7770 3BK Fav. Nail 354.27
354.19
F 0.08

356.76
354.27 1.82BK Nail
C 2.49

6720 0.32 IN Nail 360.42
358.58
C 1.84

358.86
358.58
C 0.28 3BK

7765 Begin Ret. Fav. Nail No Grade Wall on top

6700 3BK 359.07
358.69
C 0.38

358.83
358.69
C 0.14 3BK

7750 3BK Fav. Nail 355.91
355.82
F 0.09

356.83
355.91
C 0.92 3BK

5780 EYC 3BK 358.96
358.79
C 0.17

359.75
358.79
C 0.96 1.78BK Nail

7730 3BK 357.56
357.12
C 0.44

357.65
357.12
C 0.53 3BK

5760 3BK 358.84
358.75
F 0.09

359.63
358.84
C 0.79 2BK Nail

7710 3BK 358.14
357.89
C 0.25

357.89
357.69
F 0.20 3BK

5740 3BK 358.80
358.64
F 0.16

359.16
358.80
C 0.36 2BK chisel

6790 PVC 0.22 BK Nail 360.02
358.21
C 1.81

358.22
358.21
C 0.01 3BK

check

347.15 = 347.15

SWBP 4744 r E/Cajon
(according to walker)

8793.81 s. Line
El Cajon

349.10

348.83
348.79

351.68
353.33
705.01
352.50
353.93
585

352.93

8760 EVC

0.04 IN
check

349.67
349.38
C 0.29

349.23
349.10
F 0.13

38X

8740

0.05 IN
check

349.95
349.71
C 0.24

349.61
349.30
F 0.31

38X

8720

Limit
check

350.59
350.47
C 0.12

350.44
349.49
F 0.95

38X

8700 End R.T
yellow Pt

0.04 IN
check

351.68
351.68
~~351.68~~
~~351.68~~

353.90
351.67
C 2.23

58X

C 0.15
on Ed. 8.

Roberts
Cota
Moore
Tuller
4-16-52
WB 2083C

Grade Stakes for Cb. Returns

Shick @ University

FB 2127925 (4337-B)

Indexed

S.W. Corner

S.E. Corner

2 So. Pl. Univ.
70.468

31849
31837
C 0.12

31985
31925
C 0.60

1 32.306

31781
31775
C 0.06

31915
31906
F 0.09

Cb. BC on Univ.
Existing

31740
31738

31950
31961

BM

315.57 NNBP
52nd @ Univ.

Roberts
Cota
Moore
P. Hen
4-21-50
W.O. #

Grade Stakes 6th Ave. Extension
Nly of University

(From Barrett)

65

Indexed

0+90

273.51
271.88
F 1.63

0+70

274.92
274.74
F 0.18

0+50

276.33
275.52
F 0.81

0+30

277.74
276.97
F 0.77

0+10

279.16
278.41
F 0.75

1+30

270.70
270.18
C 0.52

End East
0+00 cb on East

279.87
✓

1+10

271.89
271.70
F 0.19

BM

283.87 NWBP
6th & Univ

Roberts

Cota
Moore
Pallen
+29.52
wa #31784

Grade Stakes Opal St.

Bayard to Cass

(Rough Grade)

2+65

89.90
99.85
C 2.1

99.18
99.10
C 0.1

2+15

101.53
98.90
C 2.6

98.82
98.20
C 0.6

1+65

100.53
97.95
C 2.6

97.45
97.30
C 0.2

1+15

99.98
97.00
C 3.0

97.18
96.40
C 0.8

3+82.58^{w.L.} Cass

102.15
102.68

101.10

0+65

98.53
96.05
C 2.5

96.95
95.50
C 1.5

3+76.58^{BC}

102.97
102.00
C 1.0

101.10
100.74
F 0.4

0+15^{BC}

NE Hub
97.16
95.10
C 2.1

94.91
94.60
C 0.3

3+15

102.21
100.80
C 1.4

100.00
99.89
F 0.1

0+00^{E.L.}
Bayard
BM

94.90

94.27

90.27^{SE BP}
Loring & Cass

Indexed

Grade Stake Bayard St.

4-29-52

Loring to Opal

(Rough)

89922

1+34.6

9191
91.85
C 0.193.70
92.29
C 1.4

1+34.6 PXC

9178
91.31
C 0.59194
91.69
C 0.2

0+82.1

9061
89.74
C 0.99169
89.97
C 1.7

0+29.6

N.L. Loring
on
East8946
88.18
C 1.38984
88.25
C 1.6

0+09.6

N.L. Loring
on
West

87.60

0+00

Edge
Paving

87.30

87.33

1+74.6

92.95
92.28
C 0.794.16
92.76
C 1.4

Indexed

67

2+89.6

opp. cb
Rel.
Opal93.50
93.46
C 0.194.91
93.96
C 1.0

2+32.1

9360
93.14
C 0.595.11
93.64
C 1.5

2+14.6 EVC

9313
92.83
C 0.394.53
93.33
C 1.2

1+94.6

9320
92.62
C 0.694.35
93.11
C 1.2

4-29-52

Bayard
Opal to Tourmaline -
(Rough)

68

Indexed

1760

98.25
98.41
F0.1

9995
98.91?
C1.0

1740

9822
98.13
C0.1

10009
98.63
C1.5

1720

9761
97.73
F0.1

9995
98.23
C1.7

1400 P.V.C.

9819
97.21
C1.0

9986
97.71
C2.2

2760 opp. cb Rad
S. Side: Tourmaline 98.97
98.80
F0.2

10081
SE Hub 99.47
C1.3

0752.5

96.36
95.83
C0.5

9790
96.33
C1.6

2720

9908
98.77
C0.3

10051
99.27
C1.2

0705

opp. Rad. Pt.
N. Side Opal

95.64
94.45
C1.2

9716
94.95
C2.2

1780 E.V.C.

98.57
98.19
F0.4

10009
99.07
C1.0

Indexed

69

4-30-52
Grade Stakes Tourmaline
Mission Blvd to Cass
(Rough)
89912

2+60	9439 92.32 C2.1	9241 91.52 C0.9	4+98	9782 95.84 C2.0	95.27 95.00 F0.3
------	-----------------------	-----------------------	------	-----------------------	------------------------

2+10	9418 91.58 C2.6	9145 90.74 C0.7	4+78 PVC	9784 95.56 C2.3	9494 9474 F0.2
------	-----------------------	-----------------------	----------	-----------------------	----------------------

460	9366 90.83 C2.9	9110 89.75 C1.1	4+60	9746 95.30 C2.2	94.66 94.37 F0.3
-----	-----------------------	-----------------------	------	-----------------------	------------------------

1+10	9245 90.09 C2.4	9042 89.17 C1.2	4+10	9564 94.56 C1.1	93.95 93.88 C0.1
------	-----------------------	-----------------------	------	-----------------------	------------------------

0+60	9132 89.34 C2.0	8945 88.38 C1.1	3+60	9491 93.81 C1.1	93.45 93.09 C0.4
------	-----------------------	-----------------------	------	-----------------------	------------------------

0+10 Opp. 6 Red Mission Blvd	90.24 NE HUB 88.60 C1.6	8895 87.60 C1.4	3+10	9464 93.07 C1.5	92.95 92.31 C0.6
------------------------------------	-------------------------------	-----------------------	------	-----------------------	------------------------

BM East Mission	88.60 88.50	8946 NWBP 98.54 Sapphire Mission
--------------------	----------------	---

0+15^{opp Red}
Bayard

101.02
100.45
C 0.6

SEHub → 100.80 = 100.81
99.90
C 0.90

1480 EVC

104.95
104.73
F 0.2

105.22
104.35
C 0.9

6+43^{opp Red}
Bayard

100.49
99.05
C 1.4

now → 98.77
98.47
C 0.3

1460

104.25
104.30
→ GRADE

104.72
103.70
C 1.0

6+00.5

100.15
98.05
C 2.1

97.76
97.48
C 0.3

1440

104.00
103.70
C 0.3

104.04
103.09
C 1.0

5758 EVC

98.40
97.06
C 1.3

96
96.49
96.25
F 0.2

1400 PVC

103.26
103.13
C 0.1

103.66
102.53
C 1.1

5738

97.87
96.61
C 1.3

96.04
95.86
F 0.2

0+57.5

103.06
102.61
C 0.5

103.17
102.01
C 1.2

5718

97.72
96.20
C 1.5

95.22
95.64
→ F 0.4

102.03
101.53
C 0.5

102.49
100.95
C 1.5

Exist. Cass

111.50

110.60

111.55

110.62

3+75.37

appr.
cass

112.30

110.50

111.30

110.04

C 1.0

40.5

3+30

111.19

109.20

109.75

109.00

C 1.4

C 0.2

2+80

110.60

108.52

108.15

107.15

C 2.4

C 0.9

2+30

109.50

106.92

106.35

105.90

C 2.9

C 1.0

Indexed

#3052

Grade Stakes Bayard

Tourmaline Lu Turquoise

(Rough)

8992-L

opp Rad
2+60 Sapphire

11
111.77
111.99
F0.3

SE Hub → 113.44
112.29
C 1.1

Exist
2+56 Turquoise

126.44
126.42

127.04

2+05

109.31
109.27
GRADE

118.48
109.77
C 0.7

2+05

123.91
123.28
F 0.6

124.47
124.30
F 0.2

1+55

108.47
107.01
C 1.5

108.63
107.51
C 1.1

1+55

121.76
121.44
C 0.3

122.63
122.00
C 0.6

1+05

106.22
104.75
C 1.4

105.75
105.25
C 0.5

1+05

119.33
118.98
C 0.3

120.41
119.52
C 0.9

0+55

103.90
102.49
C 1.4

103.98
102.99
C 1.0

0+55

117.86
116.51
C 1.4

118.78
117.03
C 1.8

0+05

opp Rad
Tourmaline

100.49
100.23
C 0.3

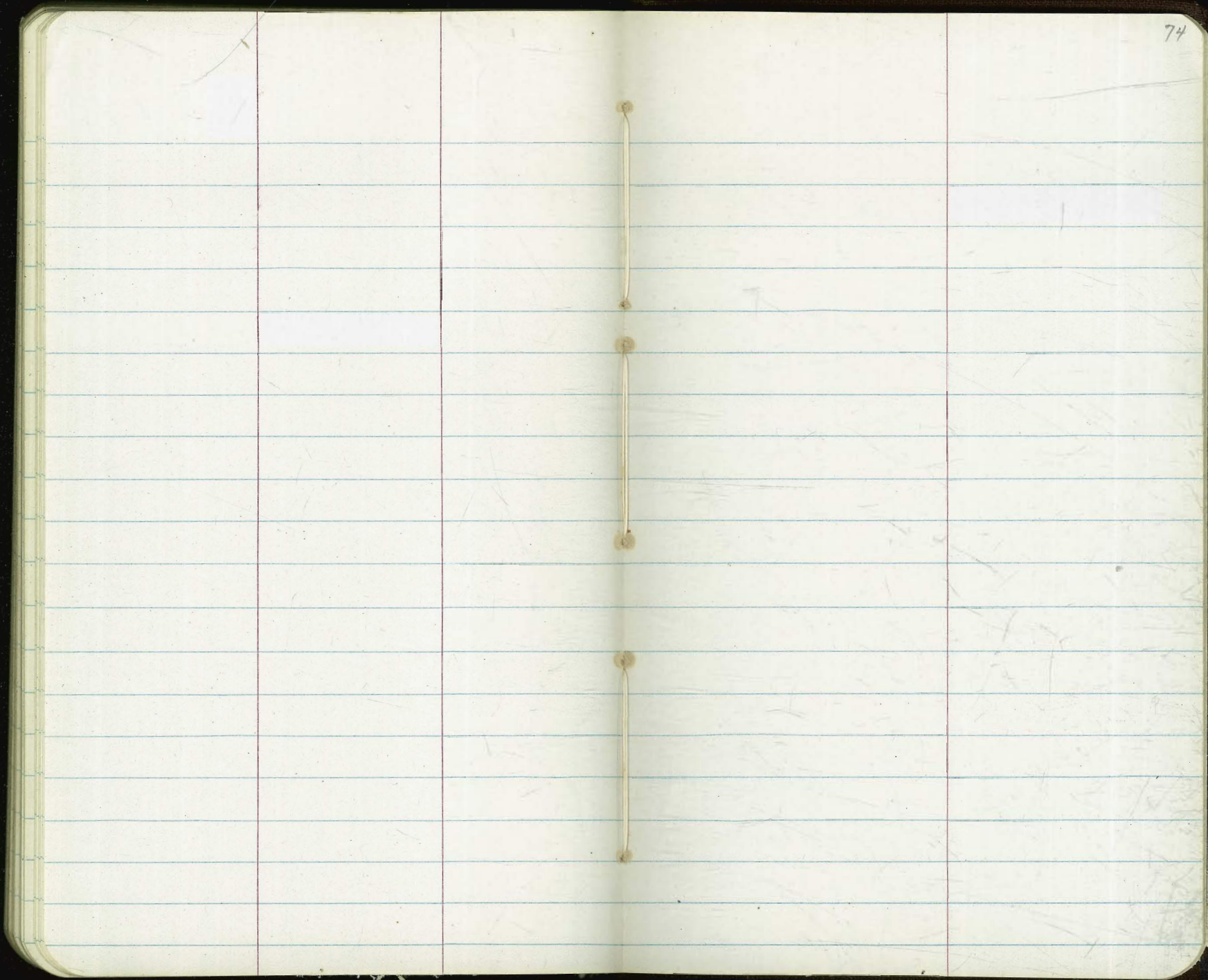
101.03
100.73
C 0.3

0+05

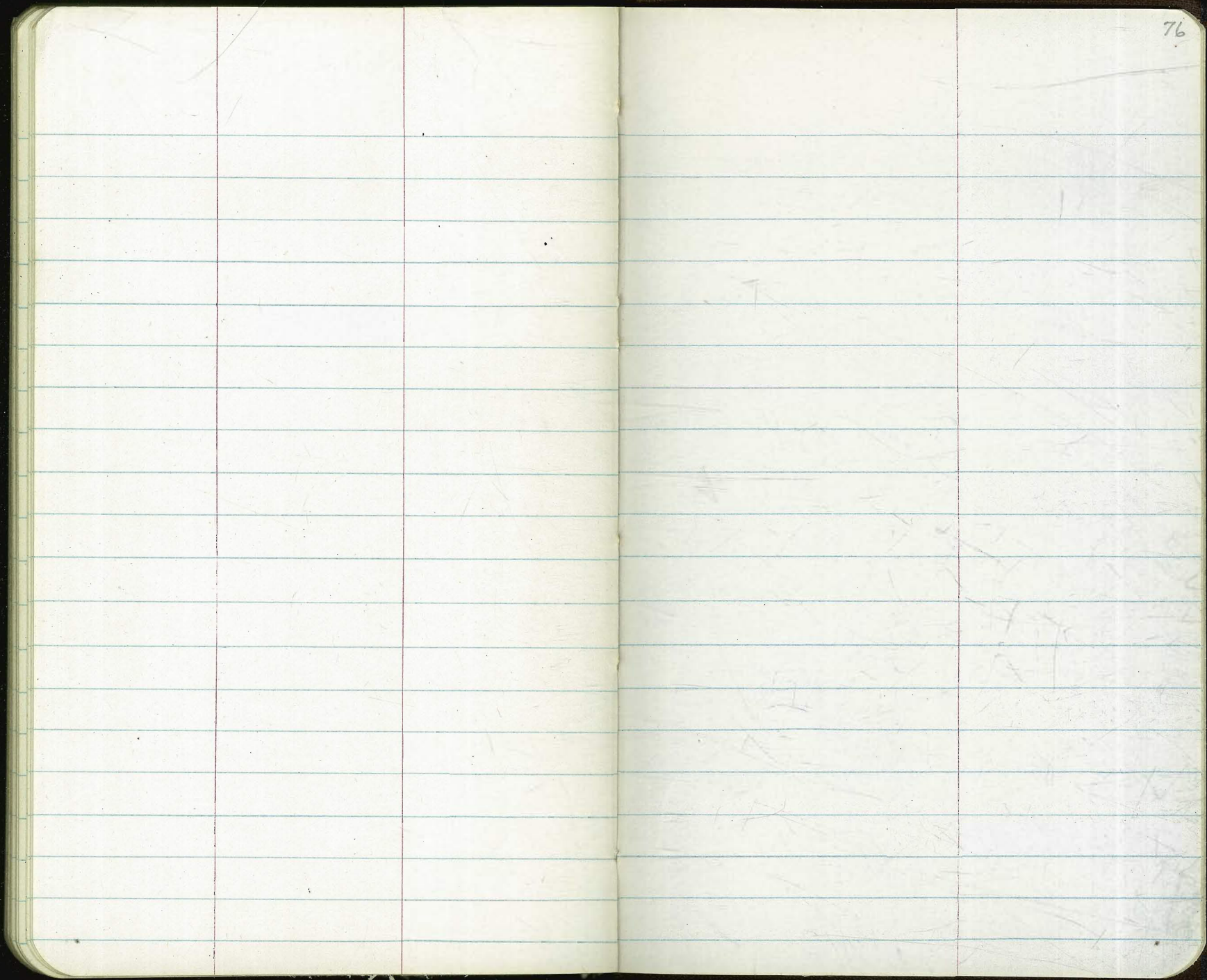
opp Rad
Sapphire

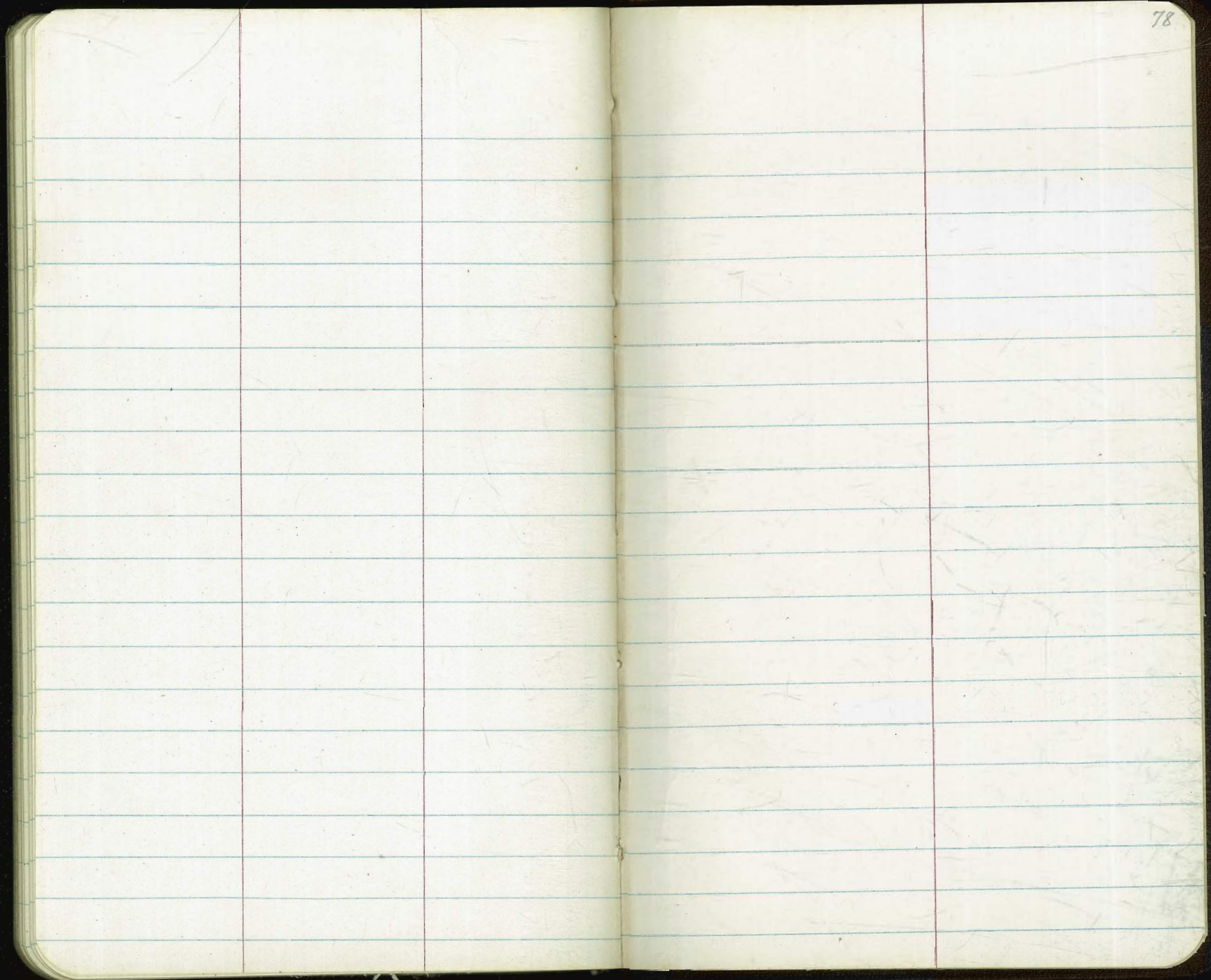
116.43
114.85
C 2.3

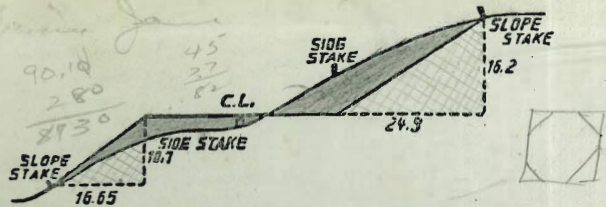
117.45
114.55
C 2.9



The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. The notebook is bound in the center, and the dark cover is visible at the edges. The pages are blank, with no writing or markings. The number '75' is printed in the top right corner of the right-hand page.







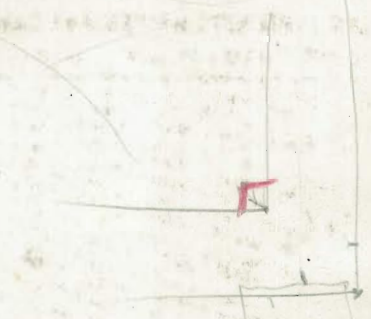
DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

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

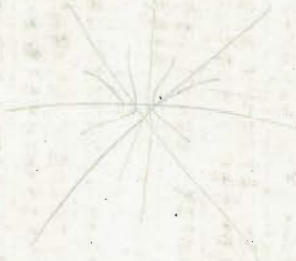
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