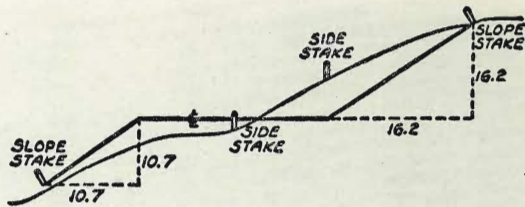


G-357



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 16 1965

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

Distance of slope stake from side of shoulder
stake for any width roadway stake (S to S)
If ground is level level the cut or fill

IMPROVED TABLES
AND
INFORMATION

TABLE No. VIII

To find Tangent and Distance for curve of
any other degree, divide by degree of curve and
add correction factor in column of correction
Degree of curve with a given S may be found
by dividing tangent (or distance) opposite S by
given tangent (or distance)
The distance from a point on the tangent to
the curve is very nearly the square of the tangent
length divided by twice the radius

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50

Distance
ground is
column an
side stake
side stake
cut or fill
If it does

Roberts
Roser
House
Montez
3-12-56
M.O.# 3/429

Grade Stakes For Allayin Block

K, Montecello

12474L

38354

3710

N-0.58

38344

382.75

C0.69

38385

382.75 N-0.85

C1.10

1740

S-3

383.52

38345

F0.07

38352

C0.02

S-3

38304

38394

382.87

382.87 N-1.10

C0.17

C1.07

2785

S-3

1720

S-3

383.39

38297

F0.42

38376

383.39

C0.37

S-3

38348

38403

383.00

383.00

C0.48

C1.03

N-1.25

2760

C-1

1700

C-1

38321

383.11

C0.10

38365

383.11

C0.54

S-3

38385

38387

383.12

383.12

C0.73

C0.75

S-3

2735

S-3

0780

S-3

38278

382.67

C0.11

38326

382.67

C0.59

S-3

38414

38391

383.25

383.25

C0.89

C0.66

S-3

2710

S-3

0760

S-3

38248

382.08

C0.40

38275

382.08

C0.67

S-3

38398

38383

383.37

383.37

C0.61

C0.46

S-3

1485

S-3

0740 PVC

stab
382
PVC

38224

381.34

C0.90

38255

381.34

C1.21

S-3

38396

38365

383.50

383.50

C0.46

C0.15

S-3

1760 PVC

S-3

0700 Nly Line

El Cajon

379.62

379.73

4460	38331 N-0.50 382.00 C1.31	38258 382.00 C0.58 S-3	6410 S-3	38142 381.25 C0.17	38304 381.25 C1.79 N-0.40
4435	38276 S-3 382.12 C0.64	38370 382.12 C1.58 N-0.20	5485 S-3	38145 381.37 C0.08	38295 381.37 C1.58 N-0.36
4410	38275 S-3 382.25 C0.50	38300 382.25 C0.75 C-3	5460 S-3	38185 381.50 C0.35	38197 381.50 C0.47 S-3
3483	38331 N-0.43 382.37 C0.94	38392 382.37 PK-073 C1.55	5435 N-0.47	38274 381.62 C1.12	38237 381.62 C0.75 S-3
3460	38320 N-D.69 382.50 C0.70	38402 382.50 PK-100 C1.52	5410 N-0.65	38368 381.75 C1.33	38295 381.75 C1.20 N-0.20
3435	38343 N-0.27 382.62 C0.81	38390 382.62 N-0.85 C1.28	4485 N-0.35	38325 381.87 C1.38	38345 381.87 C1.58 N-0.27

		380 10	38026	
7+40 EVC	S-3	380.70	378.70	S-1
		C 1.40	C 1.56	

		38064	38042	
7+20	S-3	379.63	379.63	S-2
		C 1.01	C 0.79	

		381 06	38080	
7+00	S-3	380.32	380.32	S-1
		C 0.74	C 0.48	

		381 49	38174	
6+80	S-3	380.78	380.78	N-0.81
		C 0.71	C 0.96	

		38124	381 60	
6+60 PVC	S-3	381.00	381.00	N-0.56
		C 0.24	C 0.60	

		381 36	381 80	
6+35	S-3	381.12	381.12	N-0.27
		C 0.24	C 0.68	

7+48.35	Sly Line N-0.10	378.26	378.49
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Roberts
Korer
Moore
Moralez
3-15-56
NO 32493

Grade Stakes For Alley in
Block 1, Waker's Addition

3023-D

4

2+75

129.64
127.92
C 1.72

128.52
127.62
C 0.85
127.67

1+70

s-2

136.54
135.58
C 0.96

1
135.50
135.04
F 0.46

2+50 EVC

N-0.35

131.20
128.63
C 2.57

129.35
128.38
C 0.97

0+85

s-2

138.58
137.04
C 1.54

137.00
136.92
F 0.08

2+30

N-0.50

131.73
129.28
C 2.45

129.84
129.02
C 0.82

0+60

s-2

138.74
138.50
C 0.44

138.79
138.50
C 0.29

2+10

Nail-0.53

132.08
130.46
C 2.02

130.34
129.82
C 0.52

0+35

139.96
139.56
F 0.40

141.09
140.00
C 1.09

1+90

131.35
130.99
C 0.36

130.92
130.77
C 0.15

0+10 B.P.K.

141.42
139.99
F 1.43

141.66
141.50
C 0.16

1+70 EVC

132.08
131.86
F 0.22

132.12
131.89
C 0.23

0+00 F. St.

skyline

142.21
142.29

142.40

1+35

s-2

136.32
134.12
C 2.20

134.00
133.73
F 0.27

4+35 N-0.53
 12523
 124.90
 C 0.33

12597
 124.65
 C 1.32

5+65
 128.76
 124.35
 F 4.41

12936
 128.83
 C 0.53

4+10EKC N-0.63
 12568
 125.03
 C 0.65

12565
 124.78
 C 0.87

5+40EVC
 127.18
 123.38
 F 3.80

12802
 127.16
 C 0.86

3+90 N-0.53
 12657
 125.20
 C 1.37

12582
 124.95
 C 0.87

5+20
 126.04
 123.12
 F 2.92

12699
 126.92
 C 0.07

3+70 N-0.70
 12725
 125.48
 C 1.77

12618
 125.23
 C 0.95

5+00
 125.26
 123.25
 F 2.01

12645
 125.07
 C 1.38

3+50 N-0.97
 12802
 125.87
 C 2.15

12648
 125.62
 C 0.86

4+80
 124.84
 123.14
 F 1.70

12598
 124.60
 C 1.38

3+30PK
 12839
 126.37
 C 2.02

12723
 126.12
 C 1.11

4+77.29
 West
 12.50
 22.50
 & Inlet INV. 12.23 Top
 2.5 ft of & Alley
 C 4.63

12586
 124.19
 C 1.67

3+00
 12909
 127.21
 C 1.88

12814
 126.96
 C 1.18

4+60VC
 124.77
 123.65
 F 1.12

12550
 124.52
 C 0.98

Roberts
Rorer
Moore
Moralez
3-19-56
W.O. 32471

Grade Stakes For Sewers
Woodman, Skyline, et al.

2842-D 2843-D 2844-D 2845-D

Line changed MH#1 to MH#7
(Too close to water main.)

~~1750~~
~~1745~~

~~23531~~
225.21
C10.20

~~23540~~
225.22
C10.18

~~3+60~~
3+55

~~24616~~
236.61
C9.55

~~24617~~
236.68
C9.49

~~1715~~
~~1710~~

~~23195~~
223.31
C8.64

~~23193~~
223.31
C8.62

~~3+25~~
3+20

~~24454~~
234.71
C9.83

~~24459~~
234.77
C9.82

0+81.74 MH#1
0+76.74 Imperial & Woodman

~~22930~~
221.50
C7.80

~~22935~~
221.50
C7.85

~~2+90~~
2+85

~~24293~~
232.81
C10.12

~~24302~~
232.86
C10.16

0+50

~~22936~~
219.46
C9.90

~~22931~~
219.66
C9.70

~~2+55~~
2+50

~~24098~~
230.91
C10.07

~~24135~~
230.95
C10.40

0+25

~~22921~~
217.85
C11.36

~~22921~~
217.95
C11.26

~~2+20~~
2+15

~~23944~~
229.01
C10.73

~~23964~~
229.04
C10.60

Exist MH
0+00 Imperial

216.24

216.24

~~1785~~
1780

~~23747~~
227.11
C10.36

~~23776~~
227.13
C10.63

230.40

ed & et.
Wly line woodman & Sky T Imperial

5755
5750

25775
247.13
C 10.62

~~25831~~
~~247.11~~
~~C 11.20~~

7+58.94

~~7+57.42 EC~~
Mon. - RP 50 E 100 West
Hubs

TR. 265.59

26576
257.98
C 7.78

~~26618~~
~~258.03~~
~~C 8.15~~

5720
5715

25513
245.27
C 9.86

~~25560~~
~~245.26~~
~~C 10.34~~

7+51.75

~~7+26.14~~

13° 00.8'
10° 20.19'
~~15° 01.6'~~

26460
256.53
C 8.07

~~26515~~
~~256.38~~
~~C 8.77~~

4785
4780

25279
243.41
C 9.38

~~25302~~
~~243.42~~
~~C 9.60~~

6+96.75

~~6+91.14~~

C 53.46
~~C 41.07~~

26381
254.67
C 9.14

~~26434~~
~~254.54~~
~~C 9.80~~

4+51.05
~~4+45.44~~ N/A #2

25076
241.60
C 9.16

~~25093~~
~~241.60~~
~~C 9.23~~

6+61.75

~~6+56.14~~

(C 0.03)

3° 26.73'
~~3° 20.53'~~

26298
252.81
C 10.17

~~26351~~
~~252.69~~
~~C 10.82~~

4730
4725

24967
240.43
C 9.24

~~24968~~
~~240.50~~
~~C 9.18~~

6+26.75

~~6+21.14 BC~~

Mon - RP 50 E 100 West
Hubs

26175
250.95
C 10.80

~~26237~~
~~250.85~~
~~C 11.82~~

3795
3790

24781
238.51
C 9.30

~~24779~~
~~238.59~~
~~C 9.20~~

5790
~~5785~~

25995
248.99
C 10.96

~~26052~~
~~248.95~~
~~C 11.67~~

9+55

275.75
268.95
C 6.80

11+65

287.43
280.41
C 7.02

9+20

273.54
266.96
C 6.58

11+30

285.08
278.68
C 6.40

8+85

271.59
264.96
C 6.63

10+96.94
~~10+95.23~~ N/A #4

283.24
277.04
C 6.20

8+50

269.91
262.97
C 6.74

10+60

281.29
274.94
C 6.35

8+10.84 N/A #3
~~8+14.13~~ Madrone
Pipe - RP 50' E 100' west
Hubs!

268.16
260.74
C 7.42

~~261.02~~

10+25

279.79
272.94
C 6.85

7+84.79
~~7+90~~

267.30
259.36
C 7.94

~~259.73~~

9+90

277.93
270.95
C 6.98

13+78.95
~~9 13+76.33~~ MA #5
Easement to left or East
25 RP West on Line Easement
30.78' E to Prop. Pipe

29936
291.01
C 8.35

15+85

310.42
~~303.37~~
C 7.05

9 13+40

29704
289.06
C 7.98

15+50

30858
301.27
C 7.31

5 13+05

29544
287.33
C 8.11

15+18.53 ANGLE POINT
~~15+17.05~~
Hub - RP 50' E 100' East
4-65

30699
299.37
C 7.62

8 12+70

292.67
285.60
C 7.07

No. 6.81
Hub
14+80

30488
297.07
C 7.81

8 12+35
F

29137
283.87
C 7.50

14+45

303.31
294.97
C 8.34

7 12+00

289.09
282.14
C 6.95

14+10

301.24
292.87
C 8.37

18+00

32270
314.53
C 8.17

20+15

340 41
327.77
C 12.64

17+65

32037
312.87
C 7.50

19+80

335 15
324.80
C 10.35

17+30

31858
311.21
C 7.37

~~19+33.92~~
~~19+44.89~~ MH #7

33145
320.88
C 10.57

16+95

31653
309.55
C 6.98

19+05

32950
319.51
C 9.99

~~16+61.95~~
~~16+60.66~~ MH #6

31470
307.98
C 6.72

18+70

32706
317.85
C 9.21

16+20

31239
305.47
C 6.92

18+35

32448
316.19
C 8.29

EQUATION

22+23.61
22+21.35 MH 8 ✓
↳ Benson

35602
345.50
C10.52

24+30

37534
362.19
C13.15

22+00

35466
343.49
C11.17

23+95

37291
359.39
C13.52

21+65

35283
340.52
C12.31

23+60

36946
356.59
C12.87

21+30

35094
337.54
C13.40

23+25

36468
353.79
C10.89

20+95

34845
334.57
C13.88

22+90

36143
350.99
C10.44

20+62.28
20+60.02 ANGLE POINT
25° 50' East
stubs

34561
331.79
C13.82

22+55

35832
348.19
C10.13

Cont'd on pg. 18

25+71.35 DE

38431
364.00
C20.31

25+50

38311
363.90
C19.21

25 71.35
25 + 39
52

25+15

38082
363.77
C17.05

24+80

37864
363.63
C15.01
15.01

24+46.35 MH #9

37633
363.50
C12.83

Robert
Torres
Morales
3-23-56
W.D. #32490

Rough Grades Newton Ave.

35th East to D.E.

12524-L

2+00 PVC

4368
41.67
C 2.0

4241
40.74
C 1.7

3+50 PE

4811
45.50
C 2.6

4561
44.75
C 0.8

1+50

4178
40.00
C 1.8

4096
39.15
C 1.8

3+40

4788
44.92
C 3.0

4504
44.92
C 0.1

1+00

3948
38.34
C 1.1

385
37.60
C 0.9

2+79.70

4700
44.52
C 2.5

4407
43.75
C 0.3

0+50

3780
36.67
C 1.1

3782
36.05
C 1.8

2+60

4548
43.42
C 2.1

433
42.48
C 0.8

0+39.86 Ret.

E.C. db
3738
36.33
C 1.1

3715
35.74
C 1.4

2+40

4490
42.89
C 2.0

4325
41.94
C 1.3

0+00 35th

E. Line
35.00 35.23
Plans F.B.

34.49 34.87
Plans F.B.

2+20

4430
42.30
C 2.0

4276
41.35
C 1.4

33.41

NW 7x7 City Disc
Newton @ 35th

4902
44.92
C 4.3

Roberts
Rorer
Moore
Morales
3-27-56
W.O.#32499

Grade Staker Sewen in
Inspiration Drive, Terryhill Dr. East.

15

3082-D

1+25

476.85
464.97
C 11.88

2+50

482.78
471.03
C 11.75

1+00

475.13
463.66
C 11.47

2+25

481.86
469.88
C 11.98

0+75

473.59
462.34
C 11.25

2+00

480.78
468.73
C 12.05

0+50

471.93
461.03
C 10.90

1+75

479.56
467.58
C 11.98

0+25

470.01
459.71
C 10.30

1+63.47 ~~NAH~~ #2
ANGLE POINT

479.00
467.00
C 12.00

EXIST D.F.
0+00 NAH #1

468.05
458.40
C 9.65

1+50

478.26
466.29
C 11.97

468.54

4+00

489.12
477.94
C 11.18

5+25

494.28
483.84
C 10.44

3+75

487.98
476.78
C 11.20

5+13.47 N/A #3

493.81
483.20
C 10.61

3+50

486.92
475.62
C 11.30

5+00

493.25
482.57
C 10.68

3+25

485.77
474.46
C 11.31

4+75

492.11
481.41
C 10.70

3+00

484.78
473.30
C 11.48

4+50

490.98
480.25
C 10.73

2+75

483.77
472.15
C 11.62

4+25

490.03
479.09
C 10.94

487.98

6+1347 D.E

49876
488.80
C 9.96

6+00

49805
488.04
C 10.01

5+75

49675
486.64
C 10.11

5+50

49544
485.24
C 10.20

Roberts
Rorer
Moore
7-2-56
MH #32477

Grade Stakes for Sewer
Woodman, Skyline, et. al.
MH #5 to MH #5A (Easement)

18

0+45.08	30021 293.59 C6.62	1+35	328.12 320.05 C8.07
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0+40.08	29977 292.83 C6.94	1+00	316.62 309.13 C7.49
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0+35.08	29942 292.23 C7.19	0+65.08	30477 298.23 C6.54
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0+30.08	29865 291.79 C6.84	0+60.08	30360 296.83 C6.77
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0+25.08	29824 291.51 C6.73	0+55.08	30244 295.59 C6.85
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0+00 ↓ 13+78.95 See Pg. 10 MH #5	291.01	0+50.08	30117 294.51 C6.66
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Cont'd From Page 13

Benson Avenue
Woodman Ely to MH#13

19

2+60.08 MH 5A

366.76
359.07
C 7.69

2+40

360.62
352.81
C 7.81

2+05

349.06
341.89
C 7.17

1+70

336.98
330.97
C 6.01

1+75

377.32
367.20
C 10.12

1+40

372.92
362.86
C 10.06

1+05

368.50
358.52
C 9.98

0+70

364.21
354.18
C 10.03

0+35

359.48
349.84
C 9.64

0+00 MH#8

↓
22+21.35
see pg. 12

345.50

3+85

40256
371.86
C10.70

5+54.25 MH #12

45133
433.00
C18.33

3+50

39754
387.87
C9.67

5+25

44307
424.11
C18.96

3+15

39329
383.88⁸
C9.41

4+90

43239
413.47
C18.92

2+80

38983
379.89
C9.94

4+55

41518
402.83
C12.35

2+46.25 MH #10

38599
376.04
C9.95

4+39.25 MH #11

41007
398.04
C12.03E Ritchey
30 RP So. on E Ritchey of E 3E
212

2+10

38172
371.54
C10.18

4+20

40782
395.85
C11.97

Cont'd on page 24

6+9125 MH #13

477.27
460.00
C 17.27

6+60

473.73
453.85
C 19.88

6+25

467.06
446.95
C 20.11

5+90

459.84
440.05
C 19.79

Roberts
Rorer
Moore
#-3-56
W.O. #32440

Grade Stakes For Curbs in Pycheon
Ocean View to Franklin
2818-D

100.38
33
100.05

22

0+82.73

9814
97.89
C 0.25

9875 ✓
98.50
C 0.25

2+62.73

9835
96.58
C 1.77

9711 ✓
97.08
C 0.03

0+62.73 PVC

98.47
98.30
C 0.17
F 0.03

9905
99.00
C 0.05

2+22.73

9698
9678
C 0.20

9737 ✓
97.28
C 0.09

0+31.36

9920
99.03
C 0.17

9988
99.87
C 0.01

1+82.73

9698
9697
F 0.01

9763 ✓
97.48
C 0.15

cb. EC.
0+50 Ocean View

9977
99.76
C 0.01

10082
100.74
C 0.08

1+42.73 E.V.C.

9728
97.19
C 0.09

9773 ✓
97.69
C 0.04

#2

10002
99.90
C 0.12

10114
101.08
C 0.06

1+22.73

9762
97.34
C 0.28

9813 ✓
97.84
C 0.29

#1

10001
99.92
C 0.09

10149
101.45
C 0.04

1+02.73

9772
97.56
C 0.16
F 0.04

9876 ✓
98.11
C 0.65

116.49 SWBP

Ocean View # 4754

End cb.
#1 No. Side
Franklin

99.86

100.65
99.35
C0.30

10039
99.90
C0.49

23

100.30

4+22.73EVC.	9650 96.43 C0.07	96.93 ✓ 96.90 F0.03	#2	9852 98.40 C0.12	99.00 9875 F0.25
-------------	------------------------	---------------------------	----	------------------------	------------------------

4+02.73	9649 96.26 C0.23	9691 ✓ 96.75 C0.15	#1	98.25 9807 F0.18	98.81 9867 F0.14
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3+82.73	9643 96.16 C0.27	9688 ✓ 96.66 C0.22	5+86.84 cb Franklin	9815 98.08 C0.07	98.58 9855 F0.03
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3+62.73*	9631 96.13 C0.18	9694 ✓ 96.63 C0.31	5+42.73	97.63 97.63 GRADE	9853 98.13 C0.40
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3+42.73A/C	9635 96.18 C0.17	9690 ✓ 96.88 (68) C0.22	5+02.73	9734 97.23 C0.11	9782 97.73 C0.09
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3+02.73	9655 96.38 C0.17 F0.04	9700 ✓ 96.88 C0.12	4+62.73	9689 96.82 C0.06	9751 ✓ 97.33 C0.18
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Roberts
Fayer
Moore
Norden
4-4-56
W.O. #32471

Grade Stakes For Sewer
Woodman, Skyles, et al.
Ritchey, Benson Nly. to D.E.

24

1+75

39511
379.30
C15.81

3+85

396.44
382.73
C13.71

1+40

39392
378.65
C15.27

3+50 MH*14

396.09
382.59
C13.50

1+10 B.C.

39200
378.09
C13.91

3+15

39594
381.93
C14.01

0+70

39070
377.34
C13.36

2+80

39569
381.27
C14.42

0+35

38809
376.69
C11.40

2+45

39556
380.61
C14.95

MH*10
0+00 & Benson
2+46.25 see page 20

376.04

2+10

39517
379.96
C15.21

Cont'd From Page 21

Benson, Woodmen to Pagel
Pagel, Benson to Skyline
Skyline, Pagel to Medio
Medio, Skyline Wly. to D.E.

25

1+78.85 MH #15
25¢ 50 RPNly
stubs

359.60
350.87
C 8.73

1+40

354.34
349.70
C 4.64

5+10 D.E.

396.00
383.23
C 12.77

1+05

352.73
348.65
C 4.08

4+90

396.67
383.15
C 13.52

0+70

352.26
347.60
C 4.66

4+55

397.37
383.01
C 14.36

0+35

354.20
346.55
C 7.65

4+20

397.04
382.87
C 14.17

0+00 MH #8 @ Woodman
↓
22+21.35 See pg. 12

345.50

4+30

382.29
371.77
C 10.52

6+75

26
395.12
375.39
C 19.73

3+95

379.81
370.30
C 9.51

6+40

394.67
375.25
C 19.42

3+63.75 MH*16

376.70
368.99
C 7.71

*

6+05

394.53
375.11
C 19.42

3+20

372.61
364.70
C 7.91

5+70

394.55
374.97
C 19.58

2+85

369.11
361.27
C 7.84

5+35

394.50
374.83
C 19.67

2+50

365.50
357.84
C 7.66

4+99.45 MH#17

390.78
374.69
C 16.09

2+15

361.77
354.41
C 7.36

4+65

385.37
373.24
C 12.13

8+85

39784
376.23
C 21.61

10+95

39379 39386
37707 37707
C 16.72 C 16.79

*

8+50

39787
376.09
C 21.78

10+60

39509
376.93
C 18.16

8+15

39765
375.95
C 21.70

10+25

39601 39611
376.79 376.79
C 19.22 C 19.32

7+80

39737
375.31
C 21.56

9+90

39672 39678
376.65 376.65
C 20.07 C 20.13

7+45

39667
375.67
C 21.00

9+55

39692 39713
376.51 376.51
C 20.41 C 20.62

7+10

39590
375.53
C 20.37

9+35.95 MH #19

39801 39749
376.43 376.43
C 21.58 C 21.06

6+97.45 MH #18

39565
375.48
C 20.17

9+20

39778
376.37
C 21.71

13+35.83

381.52
379.33
C 2.19

14+80

413.71
399.48
C 14.23

13+03.33 MH#20

380.34
377.90
C 2.44 ✓

14+45

407.00
392.52
C 14.48

12+70

381.50
377.77 ✓
C 3.73

14+08.33 EVC

399.56
385.22
C 14.34

12+35

384.17
377.63
C 6.54

384.25
377.63
C 6.62 ✓

13+98.33

397.33
383.70
C 13.63

12+00

387.55
377.49
C 10.06

387.53
377.49 ✓
C 10.04

13+88.33

395.33
382.45
C 12.88

11+65

390.33
377.35
C 12.98

390.35
377.35
C 13.00 ✓

13+78.33

393.24
381.47
C 11.77

11+30

392.08
377.21
C 14.87

392.17
377.21
C 14.96 ✓

13+68.33 PVC

391.26
380.76
C 10.50

chimneys:—

6 + 37.45

8 + 75.95

10 + 25.95

16 + 06.33

16 + 08.33 D.E.

*

15 + 73.33

15 + 38.33 MH #21

15 + 15

429.40
414.24
C 15.16

429.74
412.66
C 17.08

425.95
411.09
C 14.86

420.90
406.45
C 14.45

Roberts
Rorer
Moore
Morales
4-5-56
WA #32466

Grade Stakes For Alley in
Block 332, Choates Addition

11967-L

0+60 EK	s-2	7655 75.09 C 1.46	7596 s-2 75.39 C 0.57
0+50	s-2	7614 74.85 C 1.29	7596 s-2 75.13 C 0.83
0+40	s-2	7576 74.50 C 1.26	7591 s-2 74.74 C 1.17
0+30	s-2	7514 74.05 C 1.09	7572 s-2 74.21 C 1.51
0+20	s-2	7450 73.51 C 0.99	7552 s-3 73.56 C 1.96
E.L. of 0+00 31/2	s-1	72.32	72.43 72.12 Crown post

2+10	s-3	77.64 77.55 F 0.09	s-2 78.47 77.94 C 0.53
1+80	s-3	7725 77.13 C 0.12	s-2 77.43 77.22 F 0.21
1+50	s-2	7785 76.62 C 1.23	s-2 76.92 76.74 F 0.18
1+33	—	—	s-2 76.42 73.19 C 3.23
1+20	s-2	7681 76.11 C 0.70	s-2 76.50 76.41 C 0.09
1+08	IN	—	s-2 76.27 72.87 3.43
0+90	s-2	7639 75.60 C 0.79	s-2 76.25 75.90 C 0.35

3+80	s-3 8148 80.63 C085	PK-1 st 8253 80.93 C1.60	5+50 P/C	s-3 8584 85.68 C0.16	PK-0 th 8680 85.98 C0.82	30
3+60 P/C	s-3 8106 80.21 C085	s-3 8182 80.51 C1.31	5+30	s-3 8572 85.04 C0.68	s-0.50 8598 85.34 C0.64	
3+30	s-3 8058 79.70 C0.88	s-3 8201 80.00 C2.01	5+00	s-3 8430 84.11 C0.19	s-0.50 8488 84.41 C0.47	
3+20 (1)	s-5 PK PL. 8006 75.73 C4.13	—	4+70	s-3 8332 83.17 C0.05	s-3 8416 83.47 C0.69	
3+00	s-4 7937 79.18 C0.19	s-2 8152 79.48 C2.04	4+40 E/C	s-3 8224 82.15 F0.09	PK-1 st 8355 82.54 C1.01	
2+70	s-3 7873 78.66 C0.07	s-3 8036 78.96 C1.40	4+20	s-3 8191 81.65 C0.26	s-1 st 8245 81.95 C0.50	
2+40	s-3 7815 7814 F0.01	s-2 7889 78.45 C0.44	4+00	s-3 8144 81.11 C0.33	PK-1 st 8275 81.41 C1.34	

6400.95 ^{W.L. of} 32nd

83.50
Craw Foot

84.75
Craw foot

5490

S-1²

8585
84.43
C1.42

8833
S-3 85.37
C2.96

5480

S-2

8637
85.22
C1.15

8784
S-3 85.86
C1.98

5470

S-3

9637
85.68
C0.69

8802
S-3 86.14
C1.88

5460

S-3

8595
85.84
C0.11

8801
S-3 86.17
C1.84

Roberts
Rorer
Moore
Moralet
4-6-56
WPT 32490

Curb Stakes For Newton Avenue
35th St. Ely to D.E.
12524-h

32

0+50	36.67 36.61 FO.06	36.65 36.04 FO.01	1+57	40.22 40.00 FO.22	
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0+39.86 EC	36.33 36.21 FO.12	35.74 35.56 FO.18	1+50		39.24 39.17 CO.07
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#3	36.08 35.92 FO.16	35.40 35.28 FO.12	1+47	39.89 39.78 FO.11	
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#2	35.80 35.60 FO.20	35.15 35.00 FO.15	1+25	39.16 39.16 GRADE	38.39 38.38 FO.01
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#1	35.32 35.30 FO.18	34.95 34.65 FO.30	1+00	38.37 38.33 CO.04	37.70 37.62 CO.08
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Exit cb. PCC. 35th	35.23 ✓	34.87 ✓	0+75	37.60 37.50 CO.10	36.98 36.84 CO.14
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2+65.24 BC Turnaround	43.59 43.55 C0.04	42.63 42.60 C0.03		
2+60	43.42 43.37 F0.05	42.54 42.48 C0.06	#5	45.98 44.92 C1.06
2+40	42.89 42.76 F0.19	41.98 41.94 C0.04	#4	46.08 44.80 C1.28
2+20	42.30 42.15 F0.15	41.44 41.35 C0.09	#3	45.91 44.62 C1.29
2+00 PVC	41.67 41.64 F0.03	40.85 40.74 C0.11	#2	45.80 44.38 C1.42
1+75	40.82 40.71 F0.11	40.13 39.84 C0.19	#1 to North	45.12 44.15 C0.97
1+67	40.55 40.40 F0.15	////	P.R.C.	44.10 43.92 C0.18
				43.11 43.00 C0.11

#12
4444
44.12
C 0.32

#11
4468
44.42
C 0.26

#10
4468
44.65
C 0.03

#9
4508
44.82
C 0.26

#8 midpoint
& of Street
4533
44.92
C 0.41

#7
4554
44.99
C 0.55

#6
4574
44.98
C 0.76

#15
4354
43.30
C 0.24

#14
4380
43.58
C 0.22

#13
4421
43.85
C 0.36

Roberts
Rorer
Moore
Mendez
May 10, 1956
H.O. #32260

Grade Stakes For Alley
Block 187, Pacific Beach

3233-D

FB2303 pg. 25

1+20 0⁵⁰N 5248
52.05 51.75 3°S
C0.43 51.23
F0.52

1+00 0⁵⁰N 5207
51.75 51.45 3°S
C0.32 50.97
F0.48

0+80 3°S 5151
51.40 51.10 3°S
C0.11 50.59
F0.51

0+60 3°S 5119
51.00 50.70 3°S
C0.19 50.20
F0.50

0+20 1°S 5060
50.15 50.25 2°S
C0.45 49.85
C0.40

E.L.
0+00 Fred's 49.57 49.38
49.55 49.36

BH SEBP 58.38 Daniel & Emerald

2+40 0³⁸N 5363
53.21
C0.42

2+35 Sewer Lot ② R. ~~|||||~~

2+15 0²³N 5411
52.98
C1.13

1+90 2°S 5286
52.75
C0.11

1+65 0⁵⁰N 5375
52.52
C1.23

1+40 EVC 0⁵¹N 5263
52.29
C0.34

1+35 Sewer Lot ① R. ~~|||||~~

35
53.09 3°S
52.72
F0.37

5262
Inv. 48.06 5°S
C4.56

52.81 3°S
52.59
F0.22

52.55
52.54 1°+
C0.01

52.26 3°S
52.10
F0.16

51.99
51.90 3°S
F0.09

51.59
Inv. 46.85 5°S
C4.74

525 3+80 Inverkat. (B)	5470 Inv. 49.60 C 5.10	//////			
3+72.5 3°S	5456 54.37 C 0.19	5526 54.26 C 1.00	0.81 N	4+99.48 W.L. Favvel	5457 5454 54.40 54.39
3+50 EVC 3°S	5420 54.21 F 0.01	54.15 53.83 F 0.32	3°S	4+80 1°22' N	5523 54.78 C 0.45 54.77 54.55 C 0.22
3+30 0.82 N	5453 54.03 C 0.50	54.04 54.00 F 0.07	10 +	4+60 1°22' N	5513 54.93 C 0.20 54.63 54.58 F 0.05
3+10 0.81 N	5400 53.87 C 0.13	5404 53.85 C 0.19	10 +	4+40 EVC 3°S	54.86 54.81 F 0.05 54.82 54.60 C 0.22
2+90 EVC 2° +	5397 52.69 C 0.28	5364 53.64 GRADE	1°05' N	4+17.5 3°S	5486 54.69 C 0.17 54.48 54.48 GRADE
2+65 0.82 N	5431 53.44 C 0.87	5347 53.36 C 0.11	1.6 N	3+95 3°S	5473 54.53 C 0.20 5550 54.37 C 1.13

Roberts
Rorer
Moore
5-24-56
W.P. # 32526

Grade Stakes for Alley in Fort
Stockton Heights

37

12259-L FB/829 pg 54

1+00	25483 253.66 C 1.17	252.36 251.92 F 0.44	2+20	25649 254.86 C 1.63	253.74 253.04 F 0.70
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0+80	25544 254.03 C 1.71	252.92 252.64 F 0.28	2+00	25600 254.30 C 1.70	253.14 253.00 C 0.14
------	---------------------------	----------------------------	------	---------------------------	----------------------------

0+60	25571 254.41 C 1.30	253.65 253.48 C 0.17	1+80	25553 253.55 C 1.98	252.56 252.25 C 0.31
------	---------------------------	----------------------------	------	---------------------------	----------------------------

0+40	25603 254.78 C 1.25	254.27 254.04 C 0.23	1+60	25342 252.80 C 0.62	251.50
------	---------------------------	----------------------------	------	---------------------------	--------

0+20	25599 255.16 C 0.83	25480 254.60 C 0.20	1+40	25465 252.50 C 2.15	251.20
------	---------------------------	---------------------------	------	---------------------------	--------

Sig Line 0+00 Hortensia	255.54	255.11 255.01	1+20	25472 253.08 C 1.64	251.78 251.30 F 0.48
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BM 251.06 NW BP Hickory & Witherby

2+99.84 ^{My Line}
Wetherby

257.10

256.71

25670

2+80

25805

256.54

C1.51

255.98

25504

F0.94

2+60

25704

255.98

C1.06

255.23

25395

F1.28

2+40

25631

255.42

C0.89

254.48

25333

F1.15

Roberts
Korer
Moore
M. Dalez
5-28-56
WA#31776

Grade States For Alley in Block 9,
Wildfire Place

3144D ~~2343~~ pg 7B

(15' alley base 14.5')

39

1+20	36741 366.34 C 1.07	36704 366.18 C 0.86	2+50	36820 367.56 C 0.64	36763 367.36 C 0.27
0+95	36618 366.05 C 0.13	36620 365.90 C 0.30	2+30	36798 367.46 C 0.52	3 367.26 367.24 F 0.02
0+70	36627 365.76 C 0.51	36629 365.63 C 0.66	2+10	36844 367.32 C 1.12	36727 367.12 C 0.15
0+45	36636 365.47 C 0.89	36666 365.35 C 1.31	1+90	36828 367.15 C 1.13	36770 366.95 C 0.75
0+20	36587 365.18 C 0.69	36633 365.08 C 1.25 ²⁰	1+70 PIC	36818 366.93 C 1.25	36707 366.73 C 0.34
Northline 0+00 Meade	36488	36464	1+45	36761 366.63 C 0.98	36679 366.45 C 0.34

EN 30466 NWRD Meade @ 42nd

Exist
2+75 Pave.

367.65

367.45

2+70

368.61
367.64
C 0.97

368.05
~~367.44~~
C 0.61

Roberts
Rorer
Moore
Mordez
6-1-56
H.O.#32464

Grade Stakes for Alley in Block
M, Tract #2 Alta Vista Suburb
FB 2264pg 4 12485-L

41

				3+00	113.54 113.44 C 0.10	3-5	113.74 113.17 F 0.57		
1+25	1.48-N	115.55 112.76 C 2.79	3-5	114.19 113.06 C 1.13	2+75	3-5	113.35 112.95 F 0.40	3-5	113.65 113.32 F 0.33
1+00	2-X	114.96 112.66 C 2.30	3-5	114.30 112.96 C 1.34	2+50	3-5	113.25 113.00 F 0.25	3-5	113.45 113.10 F 0.35
0+75	1.98-N	115.48 112.57 C 2.91	3-5	114.67 112.87 C 1.80	2+25	3-5	113.15 112.75 F 0.40	3-5	113.45 112.90 F 0.55
0+50	3-5	114.78 112.47 C 2.31	3-5	114.60 112.77 C 1.83	2+00	3-5	113.05 112.88 F 0.17	3-5	113.36 113.06 F 0.30
0+25	3-5	114.82 112.37 C 2.45	3-5	114.79 112.67 C 2.12	1+75	3-5	112.95 112.65 F 0.31	3-5	113.26 113.23 F 0.03
0+00	North line Franklin	112.28		112.58 ✓	1+50	3-5	112.32 112.86 112.32 F 0.54	3-5	113.51 113.16 C 0.35

BM 115.91 PK on T. Pole #70094 Str. 1 F 03 - C = Left

4+80 P/C 3-5

11460
114.15
C0.45

11530
114.45
3-5 C0.85

BM - SEBP 112.17 Imperial 4 7/8

42

4+50 3-5

11432
114.02
C0.29

11533
114.33
3-5 C1.00

4+25 3-5

11416
113.83
C0.23

11476
114.23
3-5 C0.53

117.66 ^{T.S.} curb

4+00 3-5

11383
113.88
GRADE

11458
114.13
3-5 C0.45

South Line
5+89.42 Imperial
to the East. F0.29

117.36 crown

3+75 3-5

11378
113.74
C0.04

11439
114.04
3-5 C0.35

5+55 3-5

11640
115.96
C0.44

11693
116.26
3-5 C0.67

3+50 3-5

11378
113.54
C0.14

11406
113.84
3-5 C0.12

5+20 ENC 1-5

11611
114.86
C1.25

11575
115.76
3-5 C0.59

3+25 3-5

11365
113.88
C0.11

11384
113.82
3-5 F0.02

5+00 3-5

11505
114.37
C0.68

11578
114.67
3-5 C1.11

Roberts
Riser
Moore
Morales
6-12-56
NO#20007

Grade Stakes for Curb opposite
Lot 12, BK. 169 Roseville

See 5526-B

43

1400 END of
Lot 12

91.00
81.20
F 9.80

0+75

94.75
84.30
F 10.45

83.83

5.63

81.20

0+50

98.50
86.64
F 11.86

0+25

102.25
94.98
F 7.27

90

.15

135.0

opposite sly Corner
0+00 Locust & Wall

106.00
101.72
F 4.28

15

6

90

105.10

86

19.10

BM END OF CURB 107.60

107.60

Roberts
Rorer
Moore
Morales
6-12-56
MO#21469

Grade Stakes For Drain
Block D, Montclair

See 6026-B

City Forces

0788 Exist

265.80
265.75

0766

271.41
267.07
C 4.34

0744

270.97
268.35
C 2.62

0722

272.28
269.63
C 2.65

0700 Exist

270.97 811

Roberts
Rorer
Moore
Moraloz
6-13-56
No. #20009

Grade Stakes for Sewer in
Alley Between Charles & Jennings
and From Silvergate to Abion

City Forces

45

0+40

279.42
~~272.78~~
C 6.64

0+20

276.47
271.69
C 6.78

DE 0+00

INVERT 270.60

214



5.44% Grade

NH

INVERT 258.95



BM

292.68

Nail Pole NW 1/4 Corner

Silvergate & Charles

Roberts
Rorer
Moore
Morales
6-18-56

Grade Stakes for Alley in Block
18, Ocean Beach Park

46

W.O.# 32650

3193-D

1+15	3-S	3028 29.99 C0.29	3107 29.99 C1.08	2873 2873 C0.32	2970 28.73 C0.97
0+90	0.45-S	3074 30.20 C0.54	3168 30.20 C1.48	2894 28.94 GRADE	2996 28.94 C1.02
0+65	0.41-N	3120 30.41 C0.79	3151 30.41 C1.10	2935 29.15 C0.20	2975 29.15 C0.60
0+40	2.15-PK	3145 30.63 C0.82	3133 30.63 C0.70	2980 29.36 C0.44	3034 29.36 C0.98
0+20	3-T	3097 30.71 C0.26	3232 30.73 C1.59	3075 29.57 C1.18	3013 29.57 C0.56
0+00	EBERS	30.63 ✓	30.69	3033 29.78 C0.55	3135 29.78 C1.57

BM

30.12 SWBP

Voltaire & Ebers

4+00	3-5	2753 27.64 C0.09	2856 27.64 ^{1.51-N} C0.92	5+20 PVC ^{0.41-N}	2977 27.68 C2.17	2833 27.00 ^{2.2-N} C1.33
3+80	3-5	2824 27.78 C0.46	2838 27.78 ³⁻⁵ C0.60	5+00 ^{0.36-N}	2809 27.10 C0.99	2830 27.10 ^{3.4-N} C1.20
3+60 PVC	3-5	2851 27.94 C0.57	2816 27.94 ²⁻⁵ C0.22	4+80 ^{0.47-N}	2788 27.20 C0.68	2765 27.20 ³⁻⁵ C0.45
3+40	2-5	28.10 2801 F0.09	2896 28.10 ^{0.84-N} C0.86	4+60 ^{0.88-N}	2802 27.30 C0.72	1.55N 2857 27.30 C1.47
3+15	1.88-5	2840 28.31 C0.09	2866 28.31 ³⁻⁵ C0.35	4+40 EVK ³⁻⁵	2761 27.40 C0.21	2858 27.40 ^{1.50-N} C1.18
2+90	3-5	2871 28.52 C0.19	28.90 28.52 ³⁻⁵ C0.38	4+20 ³⁻⁵	2775 27.51 C0.24	2865 27.51 ^{1.53-N} C1.14

6400.13 sunset
cliffs

25.90

25.93 ✓

5480

0.46-N

28.09

26.31

C 1.78

27.08

26.32 3- PK

C 0.76

5460

0.45-N

28.43

26.62

C 1.81

28.86

26.65 1.15- Keel

C 2.23

5440

0.49-N

28.81

26.86

C 1.95

28.27

26.86 2.01-N

C 1.41

Roberts Grade Stakes For Alley in
 Korer Block 13, La Jolla Park
 Moore
 Nuñez
 6-25-56
 W.D. #32075 11762-L without F.B.!

5-5 67.41
 Sewer Lat. @ 62.3 67.88
 on Lt. 67.41
 2+40 PK C 5.11 F 0.47

6927 49
 68.18 3-5
 C 1.09

1+00 0.2-N
 7088
 69.98
 C 0.90
 7101
 70.28 3-5
 C 0.73

2+20 3-5
 68.18
 68.17
 F 0.01

6960
 68.48 2-+
 C 1.12

0+80 0.25-N
 7050
 70.28
 C 0.22
 7145
 70.58 12-N
 C 0.87

2+00 1-+
 6921
 68.48
 C 0.73

6990
 68.78 2-+
 C 1.12

0+60 0.3-N
 7137
 70.58
 C 0.79
 7207
 70.88 0.55-N
 C 1.19

1+80 1-+
 6934
 69.78
 C 0.56

7122
 69.08 3-5
 C 2.14

Sewer Lat @ Rt.
 0+40 0.3-N
 7143
 70.88
 C 0.55
 7195 71.95
 71.18 66.3-5
 C 0.77 C 5.65

1+60 3-5
 6923
 69.08
 C 0.15

7113
 69.38 1-+
 C 1.75

0+20 3-PK
 7118
 70.98
 F 0.20
 7181
 71.48 3-5
 C 0.33

1+40 0.27-Kool
 7076
 69.38
 C 1.38

7052
 69.68 2-5
 C 0.84

N.L.
 0+00 Pearl
 7148
 71.88 ✓

1+20 3-5
 69.68
 69.53
 F 0.15

7059
 69.98 3-5
 C 0.61

BM 81.06 SEEP Cuvier & Pearl

3+80 0.48 -N

6960
66.98
C 2.62

6859
67.28 0.5-+
C 1.31

0+67.5

28 1/2 - N

50
6704
63.39
C 3.65

3+60 0.73 -N

6761
67.08
C 0.53

6794
67.38
C 0.46 3-5

0+45

30 1/2 - N

6748
63.80
C 3.68

3+40 1.39 -N

6835
67.18
C 1.17

6850
67.78
C 1.02 0.02 -N

0+22.5

28 - N 1/2

6783
64.20
C 3.63

3+20 1-+

6752
67.28
C 0.24

6833
67.58 0.42 -N
C 0.75

0+00

29 - N 1/2

6849
Top Grate 66.63
C 1.86

6849
64.61 INV.
C 3.88

3+00 1-+

6744
67.38
C 0.06

6783
67.69 3-5
C 0.15

Storm Drain

2+80 EVC 1-+

6754
67.48
C 0.09

6798
67.78 3-5
C 0.20

0.45 -N
3+99.60 END

6756
66.88
C 0.69

6841
67.18 0.5-+
C 1.23

2+60 1-+

6763
67.64
C 0.01

6856
67.93 3-5
C 0.63

3+90 = 0+00 Storm Drain
3' East of Alley

See above

7-+

1465 EVC

5704
54.11
C 2.93

1455

6220
55.95
C 6.25

1445 PVC

6377
57.52
C 6.25

1420 EVC

6616
60.77
C 5.39

1410

6658
61.79
C 4.79

1400

6730
62.53
C 4.77

0+96 PVC

10 RT - S

6700
62.99
C 4.07

1+99 Make Connection.

5280
46.97
C 5.83

Roberts
Rorer
Moore
Morales

Grade Stakes for Alleys in Blocks 49, & 49 1/2, University Heights

6-25-56
N.O.# 32527

12476-L FB. 2309 pg. 56

332.94
(Block 49 1/2)

332.70
C 0.14

33475
333.00 2-1
C 1.75

1700 BRK 1-4

0+45 2-5

33520
33436
C 0.84

33619
33406 0.73-N
C 2.13

0+75 1-4

33314
333.11
C 0.03

33486
333.41 2-5
C 1.45

0+15 BRK 3-5

33581
33462
C 1.19

33490
33432 3-4
C 0.48

0+50 EIC 2-5

33440
333.53
C 0.87

33529
333.83 3-5
C 1.46

S.L.
0+00 Madison

33512

33445
33446

0+40 2-5

33433
333.64
C 0.69

33538
333.94
C 1.44 3-5

(Block 49)

0+30 BRK 2-5

33419
333.61
C 0.58

33553
333.91
C 1.62 3-5

S.L.
1+57.79 Mission

330.80
330.78

331.40

N.L.
0+00 Monroe

332.97
332.97

333.65
333.78

1+25 3-5

33239
331.65
C 0.74

33349
332.32 1.2-4
C 1.17

BM

20' alley found 19.5'
32461 SEBP Monroe & Alabama

N.L.
3+64.55 Mission

332.04
331.92

331.29
331.19

1+95 3-S

33370
333.09
C0.61

33280
332.79 3-S
C0.01

3+45 3-S

33318
332.03
C1.15

33210
331.52 3-S
C0.58

1+70 3-S

33369
333.30
C0.39

33397
333.00 1.37-N
C0.97

3+20 BRK 3-S

33314
332.02
C1.12

33239
331.72 3-S
C0.67

1+45 3-S

33419
333.51
C0.68

33450
333.21 1.06-N
C1.29

2+95 3-S

33309
332.24
C0.85

33222
331.94 3-S
C0.38

1+20 3-S

33480
333.73
C1.07

33437
333.43 X N
C0.94

2+70 3-S

33310
332.45
C0.65

33257
332.15 3-S
C0.42

0+95 3-S

33478
333.94
C0.84

33384
333.64 3-S
C0.20

2+45 3-S

33376
332.66
C1.10

33278
332.36 3.08-N
C0.42

0+70 0.13-N

33542
334.15
C1.27

33385 5-S
33383
F0.02

2+20 3-S

33340
332.88
C0.52

33331
332.58 0.9-N
C0.73

Roberts
7-3-56
W.O.# 32544

Rough Grades

33rd St.

3173-D

FB2349 pg 62
FB2392 pg. 18

BM 164.24 -

13x12 WGN 23 E A
33 to So.

54

Water & Sewer Laterals deleted by
Mr. Gilson

~~1+35 (W2)~~
1+25 (2) RT

165.0

1+00

167.78
1645
F 3.3

1721
168.17
C 3.9

1+20 cbs
for ck.

FB 169.17
Dance
call 169.28

FB 169.64
Dance 169.71

~~0+85 (W3)~~
0+75 (3) RT

161.0

152.4
9
151.5

~~0+55 (RR)~~

1
164.40
1629
F 1.5

164.70
1612
F 3.5

cb
0+10 BL

160.3
160.76
F 0.5

161.27
1518 151.5
F 7.5 F 9.8

~~1+85 (W1)~~

~~1+75 (RT)~~

169.9

0+80 Nly Line "A"

Stakes for Grading in
'A'

317B-D

1+00
1587
156.0
C 2.7
1651
155.0
C 10.1

0+78
158.8
156.9
C 1.9
1652
153.9
C 9.3

0+56
1562
157.7
F 1.5
1644
156.7
C 7.7

0+33
158.6
155.1
F 3.5
1631
157.6
C 5.5

0+10 C&EC
159.50
152.7
F 6.8
1615
TOP 159.0
Curb C 2.5

west line
0+00 33rd

cb Grade
161.50 EC AD
156.4 NE Corner
F 9.1

~~2+12 151.4~~
1522
150.4
C 1.8

1+89
152.3
146.8
F 5.5
1570
151.3
C 5.7

1+66
1533
153.2
C 0.1
1601
152.2
C 7.9

1+44
1561
154.3
C 1.8
1618
153.3
C 8.5

1+22
1581
155.2
C 2.9
1643
154.2
C 10.1

7-3-56

Rough Grades

Ash St.

56

3174-D

2047
202.60

202.00

C2.1

2016

F0.7

1490

1950

1895

1490

189.0

188.79

C6.0

C1.0

202.7

1973

198.30

197.00

C4.4

C0.3

1460

1964

1909

1435

191.35

190.30

C5.0

C0.6

1973

194.00

192.00

0480 EVC

C3.3

1911

F0.9

1420

1965

193.50

C3.0

192.00

1914

F0.6

191.00

189.38

0440

1858

1887

C5.2

F0.7

0480

1976

194.47

C3.1

192.97

1923

F0.7

E.L.

189.00

187.98

0400 33rd

187.98

0440

1984

194.25

C4.1

192.75

1920

F0.8

E.L. CB.E.C.
0400 Bancroft

1968

193.00

C3.8

1916

191.50

C0.1

W.L.

188.00

186.89

240 37-33rd

189.00

2 + 20.05 w.l.
Felton

203.51
203.44

203.01

Roberts
Koser
Moore
Morales
7-9-56
No. 32629

Grade Stakes for Sewer
Block 8, Clifton Hts.

3155-D F.B. 2351 pg 52

58

1+25

30422
294.19
C 10.03

2+75

30561
294.64
C 10.97

1+00

30240
294.12
C 8.28

2+53.74 M.H.#2

30597
294.58
C 11.39

0+70.70 Actual
~~0+75.42 M.H.#1~~

29934
294.03
C 5.31

2+25

30741
294.49
C 12.92

0+50

29986
293.96
C 5.90

2+00

30673
294.42
C 12.31

0+25

30069
293.88
C 6.81

1+75

30642
294.34
C 12.08

0+00

Exist M.H.

293.80 INV.
686
300.66 RIM

1+50

30577
294.27
C 11.50

4+24.99 Angle Point

30120
295.09
C6.11

4+00

30199
295.02
C6.97

3+75

30305
294.94
C8.11

3+50

30391
294.87
C9.04

3+25

30481
294.79
C10.02

3+00

30541
294.72
C10.69

4+85.87 DE

29812
295.52
C2.60

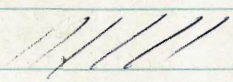
4+50

30048
295.26
C5.22

Roberts Grade Stakes For Alley between
 Rorer Block C, Turnbills Subd. and Long
 Moore and Hickoks Subd.
 Morales 12042-L
 7-10-56
 W.O.#32465

2+45 ^{141-L} Pardee 67.70 67.60 67.67 60
 69.17
 68.05 6-4
 67.74
 F 9.31
 2+00 0.52-N C 1.12

Sewer Lat. ①
 1+05 on Right



7429
 69.46 INV.
 C 4.83

69.47
 68.74
 1+80 0.57-N C 0.73

68.74 3-5
 68.53
 F 0.21

1+00 3-5

7513
 74.71
 C 0.72

74.71 3-5
 74.62
 F 0.09

7191
 70.20
 1+60 0.56-N C 1.71

70.82
 70.20 3-5
 C 0.62

0+70 3-5

7576
 75.49
 C 0.27

7634
 75.49 4.02-N
 C 0.85

7342
 72.20
 1+40 0.58-N C 1.22

72.70
 72.20 3-5
 C 0.50

0+50 3-5

7580
 75.75
 C 0.05

7657
 75.75 4.61-N
 C 0.82

7345
 72.95
 1+30 Lt 3-5 C 0.50



0+30 3-5

7586
 75.45
 C 0.41

7658
 75.45 0.94-N
 C 1.13

1+20 Rt



73.76
 73.70 3-5
 C 0.06

0+00 E.L. 35th

74.70

74.70
 74.74

7429
 73.95
 1+15 Lt 3-5 C 0.34



BM 66.05 NW. 7th & E. 35th @ Ocean View

Roberts
Rorer
Moore
Morales
7-16-56
W.O. #21460

Grade Stakes For Storm Drain
Diamond & Noyes to Academy & Beryl
3466-D, 3466-A-D

39+75.20 C.O. #2
END 51"
BEGIN 48"

61
↑ 9219 9219
80.26 80.01
C11.93 C12.18 ↓

38+50
89.38
77.87
C11.41

39+70.53 E.C.
9203 91.66
Lt. 79.97 79.97 Rt
C12.06 C11.69

38+00
88.95
77.15
C11.80

39+54.21 7/4 Pt.
90.51
79.65
C10.86

37+50
88.55
76.32
C12.23

39+37.90 Midpoint
90.12
79.33
C10.79

37+00
88.15
75.50
C12.65

39+20.19 Inlet #1
89.94
79.13
C10.81

36+57.72 C.O. #1
87.76
74.80
C12.96

39+05.27 B.C.
89.81
78.89
C10.92

36+55.72 Make Connection
Diamond & Noyes
~~77.80~~

39+00
89.77
78.80
C10.97

43+00.99 C.O. #3 L.P. 4⁰⁰⁰100.41
88.78
C 11.6345+60
1024511094
98.64
C 1230

42+50

98.87
87.48
C 11.3945+00
96025 N11143
96.66
C 1477

42+00

9777
86.17
C 11.6044+87.69 E.C.
76924-N10968
96.17
C 1351

41+50

9671
84.85
C 11.8644+52.78 Midpoint
1024510464
94.79
C 9.85

41+00

9502
83.54
C 11.4844+17.82 E.C.
1024510329
93.41
C 9.89

40+50

9425
82.22
C 120344+00
10245
~~44+00~~10288
92.70
C 10.18

40+00

93.34
80.91
C 12.4343+50
1024510136
90.72
C 10.64

46+94.95 Midpoint

11193
106.76 ~~7.90~~
C 5.17

49+84.52 -1/4

12214
112.97
C 9.17

46+75.43 BC,

11133
106.22
C 5.11

49+39.26 BC,

12101
112.02
C 8.99

46+67.46 BRK

11121
106.00
C 5.21

49+00

11954
111.20
C 8.34

46+35.46 BRK

11099
101.98
C 9.01

48+50

11764
110.15
C 7.49

46+26.47 = 46+27.46 EC.

11095
101.66
C 9.09

48+00

11573
109.10
C 6.6346+05.96 Midpoint
15RS11141
100.89
C 10.52

47+50

11380
108.05
C 5.75

45+87.46 BC 10RS

11104
100.12
C 10.92

47+14.48 BC.

11258
107.30
C 5.28

52+95.30 EC,

12970
120.21
C9.4952+51.55 - $\frac{3}{4}$ 12861
119.18
C9.4352+07.80 - $\frac{1}{2}$ 12752
118.16
C9.3651+64.05 - $\frac{1}{4}$ 12645
117.14
C9.31

51+20.30 P.C.

(2 IN)
↓12543
116.12
C9.3150+75.04 - $\frac{3}{4}$ 12430
115.06
C9.2450+29.78 - $\frac{1}{2}$ 12319
114.00
C9.19

~~52+48.80~~
~~52+10.57~~
 245 opposite
 (2 IN) Inlet

↑
To Page 65

53+83.14 EC

13123
122.26
C8.9753+62.28 - $\frac{3}{4}$ 13080
121.78
C9.0253+41.42 - $\frac{1}{2}$ 13048
121.29
C9.1953+20.56 - $\frac{1}{4}$ 13023
120.80
C9.43

52+99.70 EC

12984
120.31
C9.50

Ma said there would
be keys like this!

~~55+15.53 EC of Ditch~~

~~55+40.73~~

~~55+17.93~~

54+89.14 } EC of Ditch
 } Inlet
 } I.E. 18" | 32.127
 } | 26.52
 } | 5.75

~~54+13.14~~

54+89.14 } EC of Ditch
 } Inlet

54+13.14 } 15

54+49.07 } for 18"

54+25 BRK

54+12.5 BRK

54+10.57 } Lug opposite
 } carb Inlet } For 18"

54+10 BRK

LT. RT. 65
38.35 136.00
130.97 130.97
C 7.38 C 5.03

134.75
126.97
C 7.78

132.84
125.37
C 7.47

132.67
123.77
C 8.90

132.28
123.12
C 9.16

132.93
124.25
C 8.68

131.82
122.65
C 9.17

Inlet #2

West

100.15 cb

99.33 Gt

9877

9877

F 1.38F 0.56

East

100.02 cb

9947

99.33 Gt

9947

C 0.14F 0.55
²⁰
 55 + 75.53 EC of Ditch Co. 2

142.70

136.50

C 6.20
²⁰
 55 + 16.73 - ²/₃ C 2.0

142.18

134.65

C 7.53
²⁰ chd = 28.76
 55 + 17.93 - ¹/₃ C 3.5

141.88

132.81

C 9.07

Roberts
Kear
H. H. H. H.
10-4-54
No. 62492

Grade Stakes for Sewer in
Broadway - between Quail
and 40th
13031-L

67

1423 N/A

17670
167.18
C 9.52

1400

17640
167.02
C 9.38

8+75

17613
166.84
C 9.29

0+50

17628
166.67
C 9.61

Lat #2

17645
168.05
C 8.40

0+25

17650
166.49
C 10.01

Lat #1

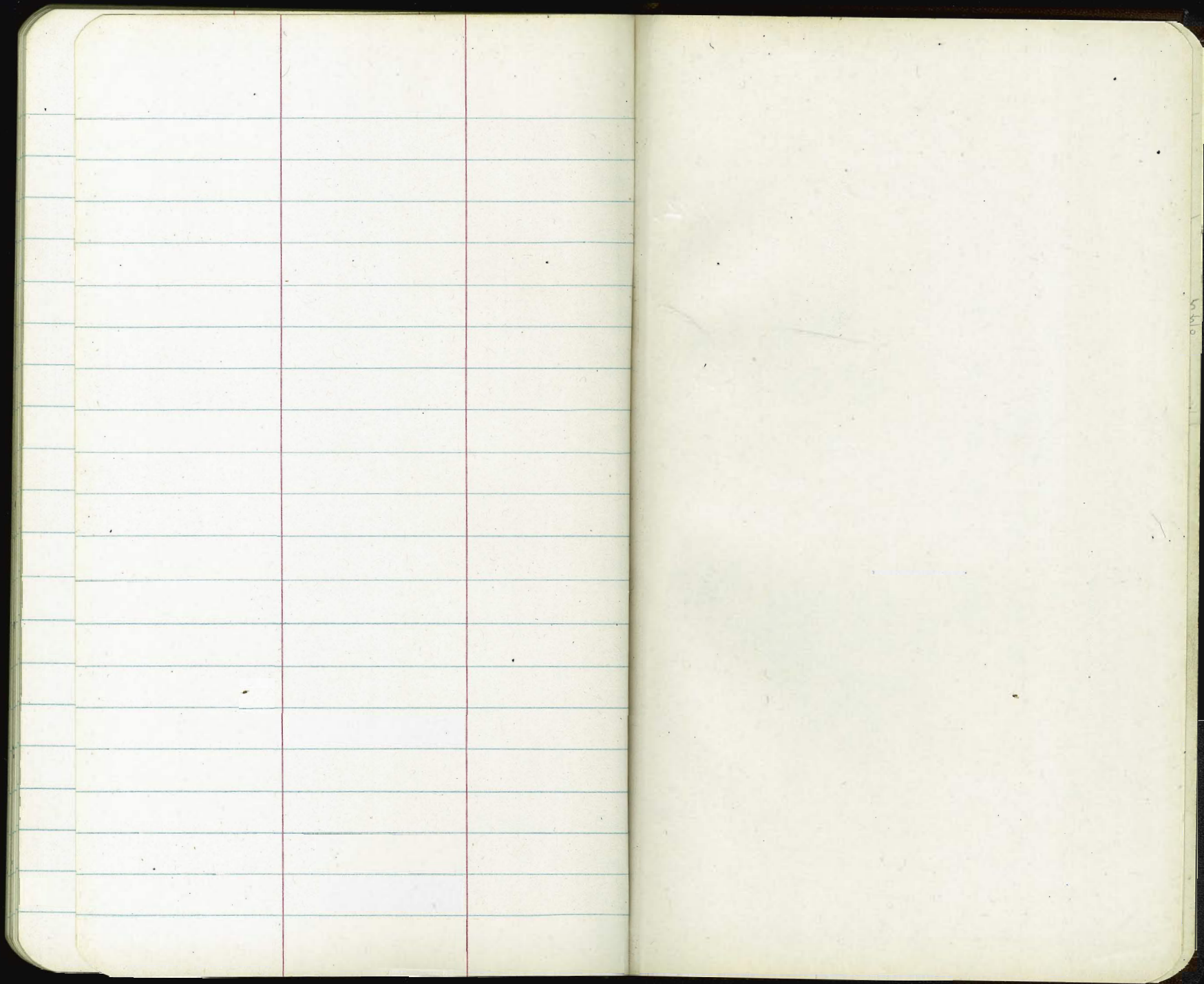
17640
168.32
C 8.08

East
0+00 DE

166.32

171.71

SWBP Hiker @ Quail



877
475
402

18712
18710

10 9.75

532
475
57

150.8
4

146.1

299 1/2

123
93
256

68.75
69.49

936
475
461

11.96
7.75

63.15
105

72.10

73.45
105
70.40

1081
975
106

732
7.25

1283
975
308

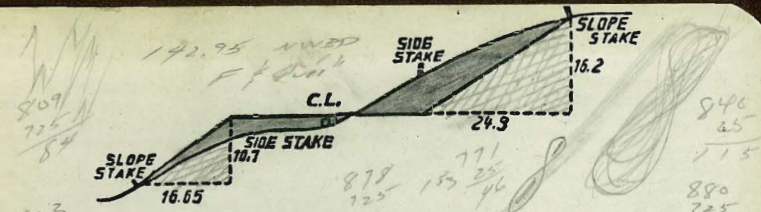
10.48
975
73

11.12
975
137

1065
975
90

154.4
2
152.4

1548
3
1514



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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