

WELLS

WELLS
ENGINEERS

ENGINEERS'
LEVEL BOOK
No. 412 F

730

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide.

Side Slopes 1 on 1.

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0							8.6	8.7	8.8	8.9	0
1							9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be $30.6 + (20 - 16) \div 2$ or 2 ft. added to 30.6 = 32.6. For slopes of 1 on $1\frac{1}{2}$ see inside of back cover.

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CITY OF SAN DIEGO

REED

RESIDENT ENGINEER

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

Indexed to page 2. M70 2/18/48

" " page 4. 5+67-70 4/7/48

" " 71-78 1-30-51

Index

Levels & Stadia Shots on

325 Contour on La Jolla City
Prop. 1-2'

Test Holes - Wash Water Tank - Treatment

Plant ALVARADO Filtration P. 4

Prelim. Xsects. Alvarado Treatment Plant
Filtration

IN 4 Quadrants from East-West Axis P. 5-66
71-78

Levels to Fire Hyd. + Reservoir Top

Mt. Soledad - La Jolla Country Club P. 67-70

71-78

~

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to be
of rom
exam
30.6

Levels to 525 Contour on City

B.M.	3.60	524.62		521.02
	7.60	530.52	1.70	522.92
	0.32	517.75	13.09	517.43
	12.86	526.73	3.88	513.87
	3.69	529.69	0.73	526.00
	10.07	537.41	3.05	526.64
	10.64	542.46	5.59	531.82
	6.90	538.96	-10.40	532.06
T.B.M.			-2.06	531.90
	7.77	534.19	12.54	526.42
	17.37	536.54	9.02	525.17
	9.77	536.58	9.73	526.81
T.B.M.	5.31	532.02	9.87	526.71
	1.92	521.08	12.86	519.16
	9.02	519.89	10.21	510.87
	10.65	520.65	9.89	510.00
			0.29	520.36 = 521.02

OFF 0.66
LOW

2-11-48 King
Leonard
Baker

Prop. in La Jolla

Lot. E. Murland cor Lot #2 BIK 15
West of La Cumbre Drive

ON Rack-Romera-Brad area

with level closure
below, this could be
532.48

12.00 532.48

cont'd
on pg. 67

Top prop. line pipe to East Flag #1

Hub & Tack - 20' East of last Flag

T.P. 15' West Flag #4

2-17-48 King
Leonard 2

Ties on La Jolla City Prop.
All distances taken by stadia

525' cont. Flag

33'

Pipe & Tack
CURRY # 2341

339'

109'

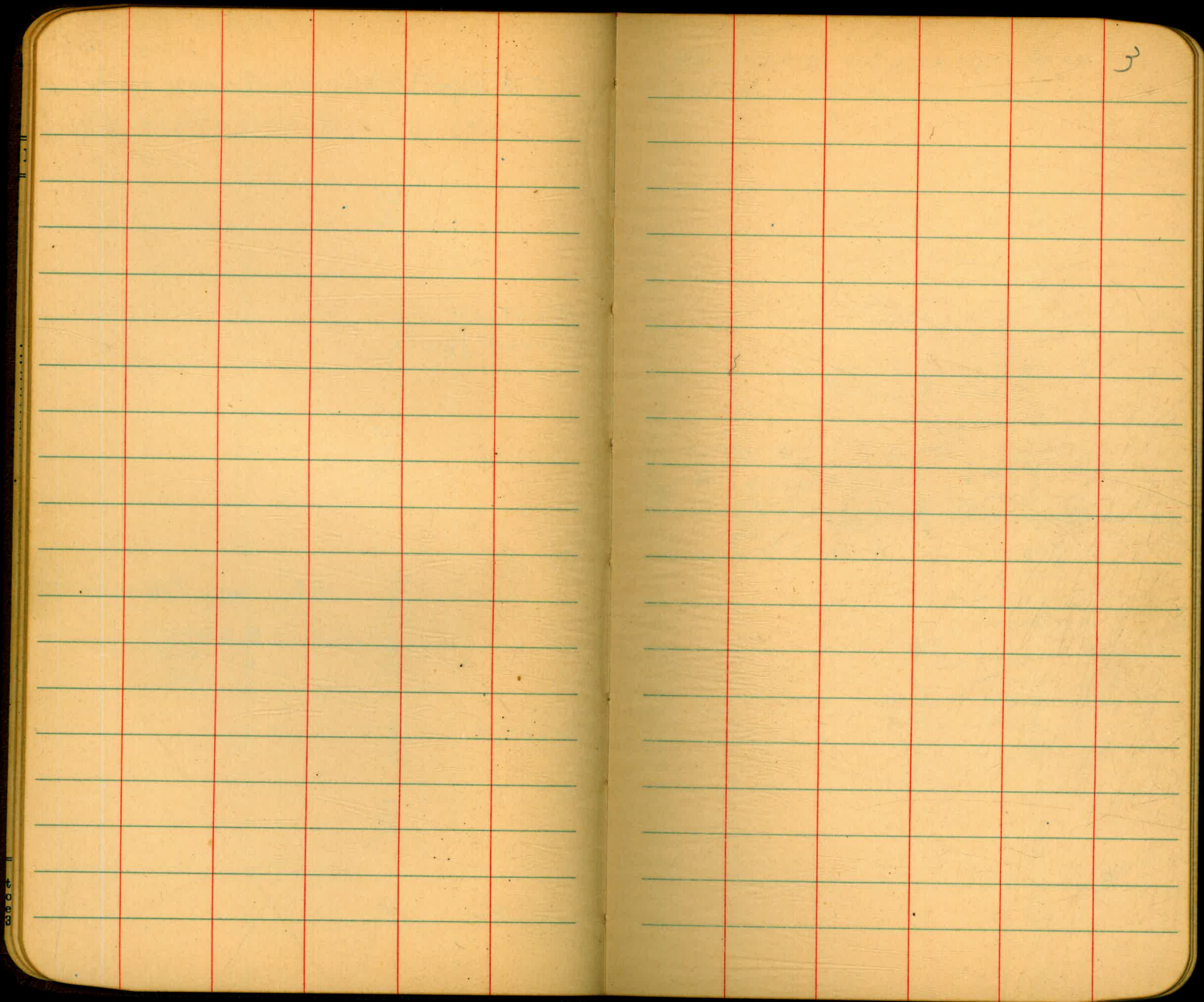
153' Pipe in CONC.

H. GLOVER
L.S. 1880
1938

Hub & Tack

428'

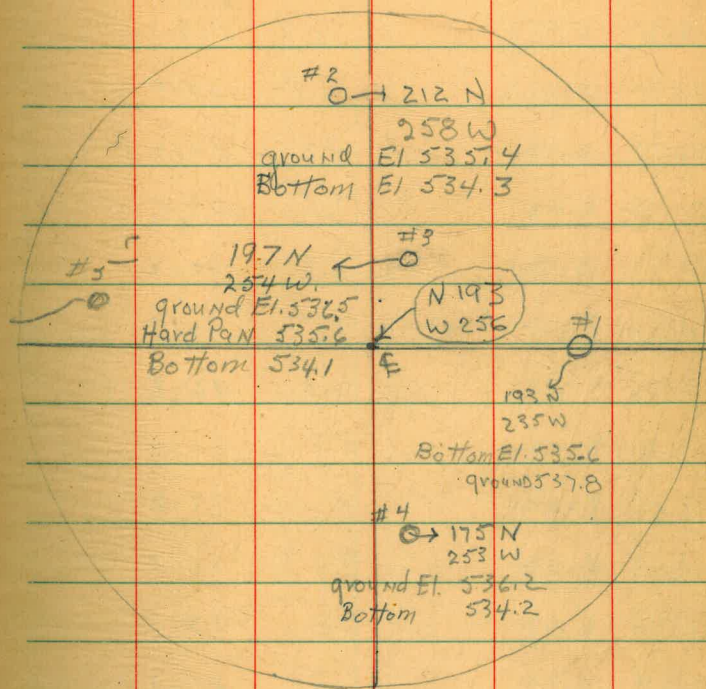
CONC. MON



3-10-48 King
Leonard
Niemo

ALVARADO FILTRATION PLANT #4
Test Holes - Wash Water Tank

195 N
276 W
Ground 535.0
Bottom 533.7



ALVARADO FILTRATION
PLANTKING
LEONARD
NIENOW

3-10-48

X-SECTIONS IN N.W. QUADRANT - USING

0+20 West N.W. Quad 5
0+00 @ Axis going West
548.97 ✓B.M. 11.98 548.37 ✓ 536.39 Top Part
City Data

0+00 - Baseline North

		ELEV	
0-N	10.3	538.1 ✓	
20-N	9.5	38.9 ✓	
40-N	9.2	39.2 ✓	
60-N	8.5	39.9 ✓	
80-N	8.2	40.2 ✓	
100-N	7.5	40.9 ✓	
120-N	6.2	42.2 ✓	
140-N	5.9	42.5 ✓	
160-N	5.6	42.8 ✓	
180-N	5.3	43.1 ✓	
183-N	5.2	43.2 ✓	
188-N	3.3	45.1 ✓	
200-N	3.4	45.0 ✓	
220-N	2.9	45.5 ✓	
240-N	0.9	47.5 ✓	
260-N	5.5	42.9 ✓	

0-N		537.6 -	
20-N	10.2	538.2 -	
40-N	9.1	39.3 ✓	
60-N	9.1	39.3 ✓	
80-N	8.1	40.3 ✓	
100-N	7.7	40.7 ✓	
120-N	6.2	42.2 ✓	
140-N	5.8	42.6 -	
160-N	5.5	42.9 -	
180-N	5.2	43.2 ✓	
183-N	5.6	43.4 ✓	
188-N	2.8	45.6 ✓	
200-N	3.3	45.1 ✓	
220-N	3.0	45.4 ✓	
240-N	1.2	47.2 ✓	
260-N	5.6	42.8 ✓	

0+40 West

54837

N.W. Quad

0 N	10.9	37.5	✓
20 N	10.5	37.9	✓
40 N	9.1	39.3	✓
60 N	8.6	39.8	✓
80 N	8.1	40.3	✓
100 N	7.9	40.5	✓
120 N	6.2	42.2	✓
140 N	5.7	42.7	✓
160 N	5.5	42.9	✓
180 N	5.3	43.1	✓
186 N	5.1	43.3	✓
190 N	3.0	45.4	✓
200 N	3.3	45.1	✓
220 N	3.2	45.2	✓
240 N	1.5	46.9	✓
260 N	6.0	42.4	✓

0+60 West

54837

N.W. Quad

6

0 N	10.7	37.7	✓
20 N	10.3	38.1	✓
40 N	9.7	38.7	✓
60 N	8.3	40.1	✓
80 N	8.2	40.2	✓
100 N	7.9	40.5	✓
120 N	6.0	42.4	✓
140 N	5.8	42.6	✓
160 N	5.7	42.7	✓
180 N	5.6	42.8	✓
186 N	5.4	43.0	✓
190 N	3.4	45.0	✓
200 N	3.4	45.0	✓
220 N	3.5	44.9	✓
240 N	2.1	46.3	✓
260 N	6.2	42.2	✓

0+80 West

N.W. Quad

548.37

0-N	11.2	37.2	✓
20 N	10.1	38.3	✓
40 N	9.9	38.5	✓
60 N	8.7	39.7	✓
80 N	8.1	40.3	✓
100 N	7.7	40.7	✓
120 N	6.0	42.4	✓
140 N	5.8	42.6	✓
160 N	5.8	42.6	✓
180 N	5.6	42.8	✓
187 N	5.3	43.1	✓
191 N	3.9	44.5	✓
200 N	3.8	44.6	✓
220 N	4.0	44.0	✓
240 N	2.7	45.7	✓
260 N	6.3	42.1	✓

1400 West

N.W. Quad

7

548.37

0 N	11.4	537.0	✓
20 N	10.5	37.9	✓
40 N	9.7	38.7	✓
60 N	8.7	39.7	✓
80 N	8.1	40.3	✓
100 N	7.6	40.8	✓
120 N	6.0	42.4	✓
140 N	5.9	42.5	✓
160 N	6.0	42.4	✓
180 N	5.9	42.5	✓
190 N	5.7	42.7	✓
195 N	5.0	43.4	✓
200 N	4.5	43.9	✓
220 N	4.6	43.8	✓
240 N	4.1	44.3	✓
260 N	7.2	41.2 41.4 Corrected	

1720 West N.W. Quad.

548.37

0-N	11.3	537.1	✓
20 N	11.1	37.3	✓
40 N	9.4	39.0	✓
60 N	8.6	39.8	✓
80 N	8.4	40.0	✓
100 N	7.7	40.7	✓
120 N	6.3	42.1	✓
140 N	6.3	42.1	✓
160 N	6.4	42.0	✓
180 N	6.2	42.2	✓
200 N	5.9	42.5	✓
220 N	5.7	43.0	✓
240 N	5.3	43.1	✓
260 N	6.5	41.9	✓

1740 West N.W. Quad. 8

548.37

0-N	11.3	537.1	✓
20 N	9.9	38.5	✓
40 N	9.4	39.0	✓
60 N	8.8	39.6	✓
80 N	8.0	40.4	✓
100 N	7.5	40.9	✓
120 N	6.4	42.0	✓
140 N	6.4	42.0	✓
160 N	6.1	42.3	✓
180 N	6.1	42.3	✓
200 N	5.9	42.5	✓
220 N	6.5	41.9	✓
240 N	6.8	41.6	✓
260 N	6.9	41.5	✓

1460 West

N.W. Quad

548.37 ✓

0	0-N	11.7	536.7	✓
20	20 N	10.7	37.7	✓
40	40 N	9.6	38.8	✓
60	60 N	9.0	39.4	✓
80	80 N	8.5	39.9	✓
100	100 N	7.8	40.6	✓
120	120 N	7.5	40.9	✓
140	140 N	7.3	41.1	✓
160	160 N	7.2	41.2	✓
180	180 N	6.7	41.7	✓
200	200 N	8.9	40.4	39.574.4 ✓
220	220 N	8.6	39.8	✓
240	240 N	9.9	38.5	✓
260	260 N	11.2	37.2	✓

1480 West

N.W. Quad

9

548.37 ✓

0-N	11.7	536.7	✓
20 N	10.8	37.6	✓
40 N	10.0	38.4	✓
60 N	9.1	39.3	✓
80 N	8.6	39.8	✓
100 N	8.0	40.4	✓
120 N	8.1	40.3	✓
140 N	8.1	40.3	✓
160 N	7.9	40.5	✓
180 N	7.8	40.6	✓
200 N	8.1	40.3	✓
220 N	9.5	38.9	✓
240 N	10.5	37.9	✓
260 N	11.5	36.9	✓

2700 West

N.W. Quad

548.37 ✓

0-N	11.7	536.7	✓
20 N	10.8	37.6	✓
40 N	9.7	38.7	✓
60 N	9.2	39.2	✓
80 N	8.4	40.0	✓
100 N	8.6	39.8	✓
120 N	8.5	39.9	✓
140 N	8.9	39.5	✓
160 N	8.9	39.5	✓
180 N	9.2	39.2	✓
200 N	9.9	38.7	✓
220 N	10.3	38.1	✓
240 N	11.3	37.1	✓
260 N	12.5	35.9	✓

2720 West

N.W. Quad 10

548.37 ✓

0-N	11.8	536.6	✓
20 N	11.2	37.2	✓
40 N	9.8	38.6	✓
60 N	9.2	39.2	✓
80 N	9.3	39.1	✓
100 N	8.9	39.5	✓
120 N	8.7	39.7	✓
140 N	8.8	39.6	✓
160 N	9.1	39.3	✓
180 N	9.5	38.9	✓
200 N	10.1	38.3	✓
220 N	10.9	37.5	✓
240 N	12.1	36.3	✓
260 N	13.1	35.3	✓

2+40 West N.W. quad

548.37 ✓

0 N	11.9	36.5	✓
20 N	11.1	37.3	✓
40 N	10.3	38.1	✓
60 N	9.8	38.6	✓
80 N	9.7	38.7	✓
100 N	9.7	38.7	✓
120 N	9.5	38.9	✓
140 N	10.2	38.2	✓
160 N	9.0	39.4	✓
180 N	10.5	37.9	✓
200 N	10.8	37.6	✓
220 N	12.2	36.2	✓
240 N	12.8	35.6	✓
260 N	13.8	34.6	✓

2+50 W (interpolated)

0 N	36.4
20 N	37.1

con

2+60 West N.W. quad 11

548.37 ✓

0 N	12.2	536.2	✓
20 N	11.5	36.9	✓
40 N	10.7	37.7	✓
60 N	10.8	38.2	✓
80 N	10.0	38.4	✓
100 N	10.3	38.1	✓
120 N	10.1	38.3	✓
140 N	10.2	38.2	✓
160 N	10.7	37.7	✓
180 N	11.8	36.6	✓
200 N	12.1	36.3	✓
220 N	13.4	35.0	✓
240 N	13.3	35.1	✓
260 N	15.4	33.0	✓

	2+80 West	N.W. Guide
	548.37 ✓	536.39 ✓
T.P	5.04 341.43 ✓	11.98
0-N		5.1 536.3 ✓
20 N		4.5 36.9 ✓
40 N		4.1 37.3 ✓
60 N		3.7 37.7 ✓
80 N		3.5 37.9 ✓
100 N		3.7 37.7 ✓
120 N		3.9 37.5 ✓
140 N		3.8 37.6 ✓
160 N		4.6 36.8 ✓
180 N		5.5 35.9 ✓
200 N		6.8 34.6 ✓
220 N		8.1 33.3 ✓
240 N		9.1 32.3 ✓
260 N		10.0 31.4 ✓

	3+00-West	N.W. Guide	12
	541.45 ✓		
0-N		5.1 536.3 ✓	
20 N		4.6 37.8 36.8 11.8 ✓	
40 N		4.2 37.2 ✓	
60 N		4.3 37.1 ✓	
80 N		3.9 37.5 ✓	
100 N		4.4 37.0 ✓	
120 N		4.6 36.8 ✓	
140 N		4.8 36.6 ✓	
160 N		5.6 35.8 ✓	
180 N		6.9 34.5 ✓	
200 N		8.3 33.1 ✓	
220 N		9.7 31.7 ✓	
240 N		10.7 30.7 ✓	
260 N		11.9 29.5 ✓	

3+20 West

N.W. Quad.

541.43

0-N	5.4	36.0	✓
20 N	4.7	36.7	✓
40 N	4.3	37.1	✓
60 N	4.0	37.4	✓
80 N	4.4	37.0	✓
100 N	5.0	36.4	✓
120 N	5.4	36.0	✓
140 N	6.1	35.3	✓
160 N	7.1	34.3	✓
180 N	8.2	33.2	✓
200 N	10.0	31.4	✓
220 N	11.4	30.4	✓
240 N	13.5	27.9	✓
260 N	15.1	26.3	✓

3+40 West

N.W. Quad

13

541.43

0-N	5.3	36.1	✓
20 N	4.9	36.5	✓
40 N	4.9	36.5	✓
60 N	4.8	36.6	✓
80 N	4.6	36.8	✓
100 N	5.3	36.1	✓
120 N	5.5	35.9	✓
140 N	7.6	33.8	✓
160 N	8.6	32.8	✓
180 N	10.2	31.2	✓
200 N	11.6	29.8	✓
220 N	13.0	28.4	✓
240 N	15.1	26.3	✓
260 N	17.0	24.4	✓

3460 West

N.W. Quad

541.43

0 N	5.6	35.8	✓
20 N	5.2	36.2	✓
40 N	5.0	36.4	✓
60 N	5.0	36.4	✓
80 N	5.2	36.2	✓
100 N	5.5	35.9	✓
120 N	7.2	34.2	✓
140 N	8.7	32.7	✓
160 N	10.0	31.4	✓
180 N	11.8	29.6	✓
200 N	12.9	28.5	✓
220 N	14.4	27.0	✓
240 N	15.2	26.2	✓

3480 West

N.W. Quad 17

541.43

0 N	5.7	35.7	✓
20 N	5.4	36.0	✓
40 N	5.2	36.2	✓
60 N	5.2	36.2	✓
80 N	5.4	36.0	✓
100 N	6.1	35.3	✓
120 N	8.7	32.7	✓
140 N	10.3	31.1	✓
160 N	11.6	29.8	✓

0420 - East. N.E. Quad.

B.M.	12.64	549.03	536.39
0-N		10.9	38.1 ✓
20 N		10.2	38.8 ✓
40 N		9.7	39.3 ✓
60 N		8.7	40.3 ✓
80 N		8.6	40.4 ✓
100 N		8.1	40.9 ✓
120 N		6.9	42.1 ✓
140 N		6.6	42.4 ✓
160 N		6.3	42.7 ✓
180 N		6.2	42.8 ✓
183 N		6.0	43.0 ✓
186 N		4.7	44.3 ✓
200 N		3.9	45.1 ✓
220 N		3.3	45.7 ✓
240 N		1.4	47.6 ✓
250 N		1.0	48.0 corr. 46.8 ✓
260 N		5.7	43.3 corr. 42.6 ✓

0440 East

15

	549.03		
0-N		11.0	538.0 ✓
20 N		10.0	39.0 ✓
40 N		9.7	39.3 ✓
60 N		8.8	40.2 ✓
80 N		8.6	40.4 ✓
100 N		8.2	40.8 ✓
120 N		7.1	41.9 ✓
140 N		6.7	42.3 ✓
160 N		6.5	42.5 ✓
180 N		6.5	42.5 ✓
183 N		6.5	42.5 ✓
190 N		4.1	44.9 ✓
200 N		3.9	45.1 ✓
220 N		3.5	45.5 ✓
240 N		1.9	47.1 ✓
250 N		1.7	47.5 corr. 46.5 ✓
260 N		6.0	43.0 corr. 42.4 ✓

0+60 East NE. Quad.

✓
549.03

0 N	10.4	538.6	✓
20 N	9.6	39.4	✓
40 N	9.5	39.5	✓
60 N	8.9	40.1	✓
80 N	8.1	40.9	✓
100 N	8.6	40.4	✓
120 N	7.0	42.0	✓
140 N	6.6	42.4	✓
160 N	6.7	42.3	✓
180 N	6.7	42.3	✓
183 N	5.3	43.7	✓
190 N	3.9	45.1	✓
200 N	3.9	45.1	✓
220 N	3.6	45.4	✓
240 N	1.8	47.2	✓
247 N	1.5	47.5	✓
260 N	4.4	44.6 corr. 42.7	✓

0+80 East NE. Quad.

✓
549.03

1.5

6 N	10.9	538.1	✓
20 N	9.8	39.2	-
40 N	9.2	39.8	✓
60 N	8.8	40.2	✓
80 N	8.1	40.9	✓
100 N	8.7	40.3	✓
120 N	7.1	41.9	✓
140 N	6.8	42.2	✓
160 N	6.7	42.3	✓
180 N	6.7	42.3	✓
182 N	6.7	42.3	✓
190 N	4.6	44.4	✓
200 N	3.8	45.2	✓
220 N	3.8	45.2	✓
240 N	2.3	46.7	✓
250 N	4.4	47.3 corr. 46.9	✓
260 N	5.8	48.2 corr. 42.7	✓

1+00 East N.E. Quad.

549.03

0 N	11.2	537.8	✓
20 N	10.2	38.8	✓
40 N	9.7	39.3	✓
60 N	8.8	40.2	✓
80 N	8.4	40.6	✓
100 N	7.9	41.1	✓
120 N	7.1	41.9	✓
140 N	6.7	42.3	✓
160 N	6.8	42.2	✓
180 N	6.9	42.1	✓
183 N	6.9	42.1	✓
190 N	4.5	44.5	✓
200 N	4.0	45.0	✓
220 N	3.8	45.2	✓
240 N	2.4	46.6	✓
250 N	1.7	47.3	✓
260 N	6.1	42.9 42.4	✓

1+20 East N.E. Quad.

549.03

17

0 N	10.9	538.1	✓
20 N	10.6	38.4	✓
40 N	9.7	39.3	✓
60 N	8.6	40.4	✓
80 N	7.7	41.3	✓
100 N	7.8	41.2	✓
120 N	8.0	41.0	✓
140 N	6.9	42.1	✓
160 N	6.8	42.2	✓
180 N	6.7	42.3	✓
189 N	6.7	42.3	✓
191 N	4.7	44.3	✓
200 N	4.4	44.3	44.6 w.h.
220 N	3.8	45.2	✓
240 N	2.8	46.2	✓
250 N	2.1	46.9 corr. 46.7	✓
260 N	2.1	42.9 corr. 42.7	✓

1+40 East N.E. Quad,

✓
549.03

0 N	11.3	537.7	✓
20 N	11.1	37.9	✓
40 N	9.6	39.4	✓
60 N	8.5	40.5	✓
80 N	8.2	40.8	✓
100 N	8.0	41.0	✓
120 N	7.9	41.1	✓
140 N	7.0	42.0	✓
160 N	6.9	42.1	✓
180 N	7.0	42.0	✓
185 N	7.0	42.0	✓
192 N	5.0	44.0	✓
200 N	4.6	44.4	✓
220 N	3.9	45.1	✓
240 N	3.1	45.9	✓
250 N	2.4	46.6	✓
260 N	6.0	42.0	corr. 42.7 ✓

1+60 East N.E. Quad,

✓
549.03

18

0 N	11.8	537.2	✓
20 N	11.1	37.9	✓
40 N	9.9	39.1	✓
60 N	9.0	40.0	✓
80 N	8.6	40.4	✓
100 N	7.7	41.3	✓
120 N	7.6	41.4	✓
140 N	7.1	41.9	✓
160 N	6.9	42.1	✓
180 N	7.1	41.9	✓
182 N	7.2	41.8	✓
195 N	5.2	43.8	✓
200 N	4.9	44.1	✓
220 N	4.2	44.8	✓
240 N	3.3	45.7	✓
250 N	3.0	46.0	✓
260 N	6.6	42.4	✓

1780 East N. E. Quad.

549.03

0N	11.6	537.4	✓
20N	11.0	38.0	✓
40N	10.2	38.8	✓
60N	9.0	40.0	✓
80N	8.0	41.0	✓
100N	7.8	41.2	✓
120N	7.7	41.3	✓
140N	7.9	41.1	✓
160N	6.9	42.1	✓
180N	7.0	42.0	✓
187N	6.9	42.1	✓
197N	5.1	43.9	✓
200N	5.1	43.9	✓
220N	4.5	44.5	✓
240N	3.9	45.1	✓
255N	3.6	45.4	✓
260N	5.0	44.0	corr. 43.3 ✓

2700 East N. E. Quad.

549.03

17

0N	11.5	537.5	✓
20N	10.9	38.1	✓
40N	10.2	38.8	✓
60N	9.2	39.8	✓
80N	8.1	40.9	✓
100N	7.8	41.2	✓
120N	7.8	41.2	✓
140N	7.8	41.2	✓
160N	6.7	42.3	✓
180N	6.8	42.2	✓
192N	7.0	42.0	✓
197N	5.0	44.0	✓
200N	5.0	44.0	✓
220N	4.8	44.2	✓
240N	4.0	45.0	✓
257N	3.9	45.1	✓
260N	5.5	43.5	✓

2+20 East - N.E. Quad.

549.03

0-N	11.6	537.4	✓
20-N	11.0	538.0	✓
40-N	9.9	39.1	✓
60-N	9.3	39.7	✓
80-N	8.4	40.6	✓
100-N	7.9	41.1	✓
120-N	7.3	41.7	✓
140-N	7.5	41.5	✓
160-N	6.2	42.8	✓
180-N	7.0	42.0	✓
200-N	5.8	43.2	✓
220-N	5.1	43.9	✓
240-N	4.8	44.2	✓
257-N	4.6	44.4	✓
260-N	6.1	42.9	corr. 43.0 ✓

corr.
6/30/48 DML

2+40 East N.E. Quad.

20

549.03

	11.7	537.3	✓
20-N	10.8	38.2	✓
40-N	10.3	38.7	✓
60-N	9.4	39.6	✓
80-N	8.5	40.5	✓
100-N	8.0	41.0	✓
120-N	7.2	41.8	✓
140-N	7.2	41.8	✓
160-N	6.4	42.6	✓
180-N	6.5	42.5	✓
200-N	6.6	42.4	✓
220-N	5.5	43.5	✓
240-N	5.2	43.8	✓
250-N			544.1
260-N	5.2	43.8	✓

T.P. 2+40 9.38 547.48 10.93 538.10 Top quad stake

N.E. Quad

2760 East

547.48

0-Mark	10.0	537.5	✓
20' N	9.3	38.2	✓
40' N	8.7	38.8	✓
60' N	7.8	39.7	✓
80' N	7.2	40.3	✓
100' N	6.2	41.3	✓
120' N	5.9	41.6	✓
140' N	5.4	42.1	✓
160' N	4.6	42.9	✓
180' N	4.8	42.7	✓
200' N	5.1	42.4	✓
220' N	4.3	43.2	✓
240' N	3.9	43.6	✓
260' N	4.7	42.8	✓

2780 East

N.E. Quad

21

547.48

0-N	9.6	537.9	✓
20' N	9.6	37.9	✓
40' N	8.7	38.8	✓
60' N	7.7	39.8	✓
80' N	7.1	40.4	✓
100' N	6.4	41.1	✓
120' N	5.5	42.0	✓
140' N	5.2	42.3	✓
160' N	4.3	43.2	✓
180' N	4.7	42.8	✓
200' N	4.7	42.8	✓
220' N	4.8	42.7	✓
240' N	4.7	42.8	✓
260' N	6.4	41.1	✓

3400 East N.E. Quad
✓
547.48

0-N	16.2	537.3	✓
20 N	9.5	38.0	✓
40 N	8.5	39.0	✓
60 N	7.8	39.7	✓
80 N	6.8	40.7	✓
100 N	5.7	41.8	✓
120 N	5.6	41.9	✓
140 N	4.9	42.6	✓
160 N	4.9	42.6	✓
180 N	5.0	42.5	✓
200 N	4.8	42.7	✓
220 N	4.9	42.6	✓
240 N	5.0	42.5	✓
260 N	9.0	38.5	✓

N.E. Quad 3420 East
✓
547.48

22

0-N	16.2	537.3	✓	
20 N	9.0	38.5	✓	
40 N	8.2	39.3	✓	
60 N	7.6	39.9	✓	
80 N	6.6	40.9	✓	
100 N	5.9	41.6	✓	
120 N	5.9	41.6	✓	
140 N	4.8	42.7	✓	
160 N	4.5	42.9	✓	
180 N	4.9	42.6	✓	
200 N	5.0	42.5	✓	
220 N	4.9	42.6	✓	
238 N	So. Edge ditch	8.4	39.1	✓

N.E. Quad.	3+40 East.			
	547.48			
0 N	10.2	537.3	✓	
20 N	9.3	38.2	✓	
40 N	8.9	38.6	✓	
60 N	7.5	40.0	✓	
80 N	6.5	41.0	✓	
100 N	6.4	41.1	✓	
120 N	4.7	42.8	✓	
140 N	4.3	43.2	✓	
160 N	4.0	43.5	✓	
180 N	4.1	43.4	✓	
200 N	4.1	43.4	✓	
206 N	^{So} Edge Ditch	4.1	43.4	✓
220 N		3.3	44.2	✓
240 N		4.4	43.1	✓

N.E. Quad.	3+60 East			
	547.48		27	
0 N	10.1	537.4	✓	
20 N	9.2	38.3	✓	
40 N	8.6	38.9	✓	
60 N	7.0	40.5	✓	
80 N	6.6	40.9	✓	
100 N	6.5	41.0	✓	
120 N	5.0	42.5	✓	
140 N	4.1	43.4	✓	
160 N	3.5	44.0	✓	
180 N	3.2	44.1	✓	
187 N	^{So} Edge Ditch	3.2	44.3	✓
220 N		3.3	44.2	✓

N.E. Quad 3480 East

547.48

0-N	10.0	537.5	✓
20 N	9.3	38.2	✓
40 N	8.7	38.8	✓
60 N	7.4	40.1	✓
80 N	7.2	40.3	✓
100 N	5.6	41.9	✓
120 N	5.3	42.2	✓
140 N	3.9	43.6	✓
160 N	3.3	44.2	✓
172' N	3.1	44.4	✓
183' N	2.8	44.7	✓
200' N	2.4	45.1	✓

So. Edge
Ditch

N.E. Quad

4400 East

547.48

24

0-N	9.9	537.6	✓
20 N	9.3	38.2	✓
40 N	8.6	38.9	✓
60 N	7.5	40.0	✓
80 N	7.3	40.2	✓
100 N	5.1	42.4	✓
120 N	4.6	42.9	✓
140 N	3.6	43.9	✓
152' N	2.8	44.7	✓
180 N	3.0	44.5	✓
200 N	2.8	44.7	✓

So
Edge Ditch

N.E. Quad

4720 East

547.48

0-N		9.7	37.8	✓
20 N		9.1	38.4	✓
40 N		8.4	39.1	✓
60 N		8.1	39.4	✓
80 N		6.1	41.4	✓
100 N		5.5	42.0	✓
120 N		4.5	43.0	✓
140 N	So. Edge Ditch	3.5	44.0	✓
160 N		3.1	44.9	✓
180 N		2.4	45.1	✓
200 N	By Mats	2.4	45.1	✓

T.P. 7.06 548.09 6.45 541.03

N.E. Quad.

4740 East

548.09

25

0-N		10.4	537.7	✓
20 N		10.1	38.0	✓
40 N		9.1	39.1 39.0	✓
60 N		8.8	39.3	✓
80 N		6.4	41.7	✓
100 N		6.0	42.1	✓
120 N	So. Edge Ditch	5.3	42.8	✓
140 N		5.1	43.0	✓
160 N		4.9	43.2	✓
180 N		4.8	43.3	✓
200 N	By Mats	4.5	43.6	✓

N.E. Quad

4760 East

54809

0 N		10.7	537.4	✓
20 N		9.9	38.2	✓
40 N		9.6	38.5	✓
60 N		7.8	40.3	✓
80 N		6.6	41.5	✓
100 N		5.7	42.4	✓
102 N	So. Edge Ditch	5.7	42.4	✓
120 N		5.3	42.8	✓
140 N	By Mats House	5.1	43.0	✓
160 N		5.0	43.1	✓

N.E. Quad

4780 East

54809

26.

0 N		10.8	537.3	✓
20 N		10.0	38.1	✓
40 N		9.4	38.7	✓
60 N		7.3	40.8	✓
80 N		6.6	41.5	✓
84	So. Edge Ditch	6.5	41.6	✓
100 N		5.1	43.0	✓
120 N		4.8	43.3	✓
140 N	By Mats House	4.6	43.5	✓
160 N		4.4	43.7	✓

N.E. Quad.

5400

East

54809

0-N	10.6	537.5	✓
20N	10.4	37.7	✓
40N	8.2	39.3	✓
60N	7.8	40.3	✓
80N	6.5	41.6	✓
100N	4.3	43.8	✓
120N	3.6	44.5	✓
140N	4.7	43.4	✓
160N	4.4	43.7	✓
180N	3.6	44.5	✓
200N	3.3	44.8	✓

N.E. Quad

5420 East

54809

27

0-N	10.5	537.6	✓
20N	10.3	37.8	✓
40N	8.6	39.5	✓
60N	7.5	40.6	✓
80N	6.4	41.7	✓
100N	5.7	42.4	✓
120N	5.4	42.7	✓
140N	4.7	43.4	✓
160N	4.1	44.0	✓
180N	3.5	44.6	✓
200N	3.2	44.9	✓

N.E. Quad. 5440 East

54809

0° N	10.7	537.4	✓
20 N	8.8	39.3	✓
40 N	8.4	39.7	✓
60 N	7.2	40.9	✓
80 N	6.7	41.4	✓
100 N	6.0	42.1	✓
120 N	5.4	42.7	✓
140	4.7	43.4	✓
160 N	4.0	44.1	✓

END OF N.E. Quadrant

T.P.	11.68	536.41	✓	B.M. ON TOP 53629
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28.

	SW. Quad.	0400 West	Top Dem.
B.M. 1	6.32	542.71	536.39
1.9	2.71	540.67	537.96
0-5		2.6	538.1 ✓
205		4.0	36.7 ✓
405		4.7	36.0 ✓
605		5.5	35.2 ✓
805		6.4	34.3 ✓
1005		7.4	33.3 ✓
1205		8.4	32.3 ✓
1405		9.5	31.2 ✓
1605		10.4	30.3 ✓
1805		11.2	29.5 ✓
2005		12.3	28.4 ✓

see page 39 for
continuation south

	KING HENON 200114	3-22-48	0420 West	SW. Quad	29
			540.67		
0-5			3.1	537.6 ✓	
205			4.1	36.6 ✓	
405			5.0	35.7 ✓	
605			5.6	35.1 ✓	
805			6.2	34.4 ✓	
1005			7.4	33.3 ✓	
1205			8.4	32.3 ✓	
1405			9.4	31.3 ✓	
1605			10.3	30.4 ✓	
1805			10.9	29.8 ✓	
2005			12.2	28.5 ✓	

S.W. Quad	0440 West			
	540.67			
6-5	3.1	537.6	✓	
205	4.0	36.7	✓	
405	5.0	35.7	✓	
605	5.9	34.8	✓	
805	6.5	34.2	✓	
1005	7.6	33.1	✓	
1205	8.4	32.3	✓	
1405	9.3	31.4	✓	
1605	10.1	30.6	✓	
1805	11.0	29.7	✓	
2005	12.0	28.7	✓	

S.W. Quad	0400 West			
	540.67			20.
65	3.0	537.7	✓	
205	4.0	36.7	✓	
405	5.1	35.6	✓	
605	6.0	34.7	✓	
805	6.7	34.0	✓	
1005	7.4	33.3	✓	
1205	8.5	32.2	✓	
1405	9.5	31.2	✓	
1605	10.3	30.4	✓	
1805	11.0	29.7	✓	
2005	11.9	28.8	✓	

S.W. Quad.	0+80 West ✓ 540.67		
05	3.5	537.2	✓
205	4.4	36.3	✓
405	5.1	35.6	✓
605	5.8	34.9	✓
805	6.5	34.2	✓
1005	7.4	33.3	✓
1205	8.3	32.4	✓
1405	9.4	31.3	✓
1605	10.2	30.5	✓
1805	10.8	29.9	✓
2005	11.7	29.0	✓

S.W. Quad	1100 West ✓ 540.67			31
0-5	3.7	537.0	✓	
20-5	4.4	36.3	✓	
405	5.1	35.6	✓	
605	5.8	34.9	✓	
805	6.6	34.1	✓	
1005	7.4	33.3	✓	
1205	8.2	32.5	✓	
1405	9.3	31.4	✓	
1605	10.2	30.5	✓	
1805	10.8	29.9	✓	
2005	11.7	29.0	✓	

S.W. Quad

1420 West

546.67

0-3	3.6	537.1	✓
20.5	4.2	36.5	✓
40.5	5.1	35.6	✓
60.5	6.0	34.7	✓
80.5	6.8	33.9	✓
100.5	7.6	33.1	✓
120.5	8.2	32.5	✓
140.5	9.0	31.7	✓
160.5	10.1	30.6	✓
180.5	10.9	29.8	✓
200.5	11.6	29.1	✓

S.W. Quad

1440 West

540.67

32

0-5	3.6	537.1	✓
20.5	4.5	36.2	✓
40.5	5.0	35.7	✓
60.5	5.7	35.0	✓
80.5	6.6	34.1	✓
100.5	7.4	33.3	✓
120.5	8.3	32.4	✓
140.5	8.9	31.8	✓
160.5	9.8	30.9	✓
180.5	10.7	30.0	✓
200.5	11.7	29.0	✓
I.P.	3.54	537.13	✓ 1440 West No. 1 ♀

S.W. Quad.

1+60 WEST

LEONARD X
NICHOL - NOTES
SHIPMAN - 1900
3-25-48
1+40 W.
E IN AMT

T.P.	+3.09	540.22	✓	537.15	✓
0'S				3.5	536.7 ✓
20'S				4.0	36.2 ✓
40'S				4.9	35.3 ✓
60'S				5.5	34.7 ✓
80'S				6.3	33.9 ✓
100'S				7.1	33.1 ✓
120'S				7.7	32.5 ✓
140'S				8.5	31.7 ✓
160'S				9.3	30.9 ✓
180'S				10.1	30.1 ✓
200'S				10.8	29.4 ✓

S.W. Quad.

1+80 W

39

(see page 32)	✓	540.22	
0'S		3.5	536.7 ✓
20'S		3.8	36.4 ✓
40'S		4.7	35.5 ✓
60'S		5.5	34.7 ✓
80'S		6.5	33.7 ✓
100'S		7.0	33.2 ✓
120'S		7.8	32.4 ✓
140'S		8.3	31.9 ✓
160'S		9.2	31.0 ✓
180'S		9.8	30.4 ✓
200'S		10.6	29.6 ✓

S.W. Quad.

2+00 W

✓
540.22

0's	3.5	536.7 ✓
20's	4.0	36.2 ✓
40's	4.7	35.5 ✓
60's	5.4	34.8 ✓
80's	6.0	34.2 ✓
100's	6.8	33.4 ✓
120's	7.6	32.6 ✓
140's	8.2	32.0 ✓
160's	9.0	31.2 ✓
180's	9.7	30.5 ✓
200's	10.6	29.6 ✓

S.W. Quad

2+20 W

34

✓
540.22

0's	3.6	536.6 ✓
20's	4.3	35.9 ✓
40's	4.4	35.8 ✓
60's	5.3	34.9 ✓
80's	6.1	34.1 ✓
100's	6.8	33.4 ✓
120's	7.4	32.8 ✓
140's	8.3	31.9 ✓
160's	8.6	31.6 ✓
180's	9.2	31.0 ✓
200's	10.3	29.9 ✓

S.W. Quad,

2+40 W

✓
540.22

0'S	3.7	536.5	✓
20'S	4.3	35.9	✓
40'S	4.6	35.6	✓
60'S	5.4	34.8	✓
80'S	6.1	34.1	✓
100'S	7.0	33.2	✓
120'S	7.4	32.8	✓
140'S	7.9	32.3	✓
160'S	8.7	31.5	✓
180'S	9.5	30.7	✓
200'S	10.3	29.9	✓

2 + 50 W interpolated

0'S		536.4	
20'S		36.0	

con

S.W. Quad

2+60 W

35

✓
540.22

0'S	3.9	536.3	✓
20'S	4.1	36.1	✓
40'S	5.1	35.1	✓
60'S	5.4	34.8	✓
80'S	6.7	33.5	✓
100'S	7.1	33.1	✓
120'S	7.4	32.8	✓
140'S	7.9	32.3	✓
160'S	9.0	31.2	✓
180'S	9.6	30.6	✓
200'S	10.6	29.6	✓

SW Quad

2+80°W

✓
540.22

0's	3.9	536.3	✓
20's	4.4	35.8	✓
40's	5.2	35.0	✓
60's	5.4	34.8	✓
80's	6.4	33.8	✓
100's	7.2	33.0	✓
120's	7.9	32.3	✓
140's	8.5	31.7	✓
160's	9.1	31.1	✓
180's	9.7	30.5	✓
200's	10.3	29.9	✓

S.W. Quad

3+00°W

✓
540.22

35

0's	4.0	536.2	✓
20's	4.3	35.9	✓
40's	4.9	35.3	✓
60's	5.6	34.6	✓
80's	6.3	33.9	✓
100's	6.9	33.3	✓
120's	7.6	32.6	✓
140's	8.1	32.1	✓
160's	8.3	31.9	✓
180's	9.4	30.8	✓
200's	10.6	29.6	✓

S.W. Quad

3+20W

✓
540.22

0'S	4.2	536.0	✓
20'S	4.5	35.7	✓
40'S	5.1	35.1	✓
60'S	5.8	34.4	✓
80'S	6.0	34.2	✓
100'S	6.8	33.4	✓

S.W. Quad

3+40W

37

✓
540.22

0'S	4.0	536.2	✓
20'S	4.3	35.9	✓
40'S	4.9	35.3	✓
60'S	5.7	34.5	✓
80'S	5.8	34.4	✓
100'S	6.8	33.4	✓

SW Quad 3+60W

540.22 ✓

0's	4.3	535.9	✓
20's	4.7	35.5	✓
40's	5.0	35.2	✓
60's	5.3	34.9	✓
80's	5.8	34.4	✓
100's	6.7	33.5	✓

SW Quad 3+80W

30

540.22 ✓

0's	4.3	35.9	✓
20's	4.5	35.7	✓
40's	4.5	35.7	✓
60's	4.8	35.4	✓
80's	6.0	34.2	✓
100's	6.7	33.5	✓

CHECK
B.M.

3.82 536.40 = 536.39 ✓

Revised B.M.

+3.82 540.21 ✓

SET B.M. ON CITY DATUM -12.05 527.16 ✓

+1.17 528.03 ✓

T.P. -11.21 517.12 ✓

+3.42 520.54 ✓

Set
B.M.

-6.51 514.03 ✓

CONC. MON.

N-S AXIS

4+50±5

TURNS CKD 4-26-48 COR

SW Good

0+00 W

B.M. 3.69 530.85 527.16 SPIKE IN P.P.
SEE PAGE 38.

220'S	3.2	527.7	✓
240'S	4.1	26.8	✓
260'S	5.1	25.8	✓
280'S	6.3	24.6	✓
300'S	7.3	23.6	✓
320'S	8.0	22.9	✓
340'S	8.9	22.0	✓
360'S	10.0	20.9	✓
380'S	11.0	19.9	✓
400'S	12.0	18.9	✓
420'S	13.9	17.0	✓
440'S	15.8	15.1	✓
460'S	17.9	13.0	✓

SW Good

0+20 W

39

530.85

220'S	3.3	527.6	✓
240'S	4.1	26.8	✓
260'S	5.2	25.7	✓
280'S	6.0	24.9	✓
300'S	7.0	23.9	✓
320'S	7.9	23.0	✓
340'S	8.9	22.0	✓
360'S	9.9	21.0	✓
380'S	10.9	20.0	✓
400'S	11.9	19.0	✓
420'S	13.4	17.5	✓
440'S	15.1	15.8	✓
460'S	17.2	13.7	✓

SW Quad

0+40W

530.85[✓]

220's	3.1	527.8	✓
240's	3.8	27.1	✓
260's	4.8	26.1	✓
280's	5.8	25.1	✓
300's	6.6	24.3	✓
320's	7.6	23.3	✓
340's	8.8	22.1	✓
360's	9.8	21.1	✓
380's	10.6	20.3	✓
400's	11.7	19.2	✓
420's	13.1	17.8	✓
440's	14.8	16.1	✓
460's	16.8	14.1	✓

SW Quad

0+60W

530.85[✓]

40.

220's	2.9	528.0	✓
240's	3.9	27.0	✓
260's	4.7	26.2	✓
280's	5.8	25.1	✓
300's	6.5	24.4	✓
320's	7.4	23.5	✓
340's	8.6	22.3	✓
360's	9.5	21.4	✓
380's	10.3	20.6	✓
400's	11.6	19.3	✓
420's	12.9	18.0	✓
440's	14.6	16.3	✓
460's	16.9	14.0	✓

SW Quad

0780W

530.85[✓]

220'S	3.1	527.8	✓
240'S	4.0	26.9	✓
260'S	4.7	26.2	✓
280'S	5.6	25.3	✓
300'S	6.3	24.6	✓
320'S	7.4	23.5	✓
340'S	8.3	22.6	✓
360'S	9.3	21.6	✓
380'S	10.4	20.5	✓
400'S	11.7	19.2	✓
420'S	13.1	17.8	✓
440'S	14.6	16.3	✓
460'S	16.6	14.3	✓

SW Quad

1700W

530.85[✓]

220'S	3.0	527.9	✓
240'S	3.8	27.1	✓
260'S	4.6	26.3	✓
280'S	5.2	25.7	✓
300'S	6.0	24.9	✓
320'S	7.2	23.7	✓
340'S	8.2	22.7	✓
360'S	9.3	21.6	✓
380'S	10.3	20.6	✓
400'S	11.4	19.5	✓
420'S	12.8	18.1	✓
440'S	14.3	16.6	✓
460'S	15.4	15.5	✓

SW Quad

1720W

✓
530.85

220's	2.8	528.1	✓
240's	3.9	27.2	✓
260's	4.3	26.6	✓
280's	5.1	25.8	✓
300's	5.9	25.0	✓
320's	6.9	24.0	✓
340's	7.8	23.1	✓
360's	8.7	22.2	✓
380's	9.6	21.3	✓
400's	10.7	20.2	✓
420's	12.3	18.6	✓
440's	14.1	16.8	✓
460's	15.6	15.3	✓

SW Quad

1740W

.42

✓
530.85

220's	2.6	528.3	✓
240's	3.5	27.4	✓
260's	4.3	26.6	✓
280's	5.2	25.7	✓
300's	6.1	24.8	✓
320's	7.0	23.9	✓
340's	7.7	23.2	✓
360's	8.7	22.2	✓
380's	9.6	21.3	✓
400's	10.8	20.1	✓
420's	12.4	18.5	✓
440's	14.1	16.8	✓
460's	15.5	15.4	✓
CHECK RM	-3.69	527.16	SEE PAGE 38.

SW Quad

1+60W

P.M. 3.68 530.84 ✓
527.16 ✓ Spike in RR
See p. 38

220'S	2.3	528.5	✓
240'S	3.0	27.8	✓
260'S	3.9	26.9	✓
280'S	4.6	26.2	✓
300'S	5.5	25.3	✓
320'S	6.5	24.3	✓
340'S	7.5	23.3	✓
360'S	8.4	22.4	✓
380'S	9.3	21.5	✓
400'S	10.5	20.3	✓
420'S	12.4	18.4	✓
440'S	14.1	16.7	✓
460'S	16.2	14.6	✓

SW Quad

1+80W

.43

530.84 ✓

220'S	2.0	528.8	✓
240'S	2.9	27.9	✓
260'S	3.9	26.9	✓
280'S	4.6	26.2	✓
300'S	5.3	25.5	✓
320'S	6.3	24.5	✓
340'S	7.4	23.4	✓
360'S	8.3	22.5	✓
380'S	9.4	21.4	✓
400'S	10.9	19.9	✓
420'S	12.7	18.1	✓
440'S	14.5	16.3	✓
460'S	17.9	12.9	✓

SW Good

2+00W

530.84[✓]

220'S	1.8	529.0	✓
240'S	2.7	28.1	✓
260'S	3.6	27.2	✓
280'S	4.3	26.5	✓
300'S	5.2	25.6	✓
320'S	6.3	24.5	✓
340'S	7.3	23.5	✓
360'S	8.4	22.4	✓
380'S	9.6	21.2	✓
400'S	11.0	19.8	✓
420'S	13.2	17.6	✓
440'S	16.0	14.8	✓
460'S	19.0	11.8	✓

SW Good

2+20W

530.84[✓]

49

220'S	1.8	529.0	✓
240'S	2.3	28.5	✓
260'S	3.1	27.7	✓
280'S	4.3	26.5	✓
300'S	5.3	25.5	✓
320'S	6.1	24.7	✓
340'S	7.0	23.8	✓
360'S	8.3	22.5	✓
380'S	9.5	21.2	✓
400'S	11.8	19.0	✓
420'S	13.6	17.2	✓
440'S	17.9	12.9	✓
460'S	26.0	04.8	✓

SW Quad

2+40W

530.84[✓]

220'S	1.5	529.3	✓
240'S	2.5	28.3	✓
260'S	3.3	27.5	✓
280'S	4.4	26.4	✓
300'S	5.0	25.8	✓
320'S	6.0	24.8	✓
340'S	6.6	24.2	✓
360'S	7.7	23.1	✓
380'S	9.3	21.5	✓
400'S	10.9	19.9	✓
420'S	13.7	17.1	✓
440'S	14.6	16.2	✓
460'S	22.4	08.4	✓

SW Quad

2+60W

45

530.84[✓]

220'S	1.9	528.9	✓
240'S	2.6	28.2	✓
260'S	3.2	27.6	✓
280'S	4.1	26.7	✓
300'S	5.0	25.8	✓
320'S	5.8	25.0	✓
340'S	6.6	24.2	✓
360'S	7.5	23.3	✓
380'S	8.6	22.2	✓
400'S	10.0	20.8	✓
420'S	11.6	19.2	✓
440'S	12.4	18.4	✓
460'S	16.0	14.8	✓

SW Quad.

2780W

530.84

220's	1.5	529.3	✓
240's	2.6	28.2	✓
260's	3.0	27.8	✓
280's	3.9	26.9	✓
300's	4.6	26.2	✓
320's	4.5	26.3	✓
340's	6.0	24.8	✓
360's	6.5	24.3	✓
380's	7.7	23.1	✓
400's	9.8	21.0	✓
420's	10.8	20.0	✓
440's	11.8	19.0	✓
460's	14.1	16.7	✓

SW Quad

3700W

46

530.84

220's	1.8	529.0	✓
240's	2.4	28.4	✓
260's	2.9	27.9	✓
280's	3.6	27.2	✓
300's	4.0	26.8	✓
320's	4.9	25.9	✓
340's	5.5	25.3	✓
360's	7.2	23.6	✓
380's	7.8	23.0	✓
400's	9.0	21.8	✓
420's	10.4	20.4	✓
440's	11.0	19.8	✓
460's	12.9	17.9	✓

SW Road

3+20W

47

+

✓

-

530.84

400's 7.4 523.4 ✓

420's 10.0 20.8 ✓

440's 10.2 20.6 ✓

460's 11.2 19.6 ✓

check B.M. 3.67 527.17 = 527.16 Record B.M.

See p. 38

S.E. Quad, 0+20E

3-29-48
Cool and
CloudyLeonard T
Nienow Notes
Shipman Rod

T.B.M. 1.17 539.27

538.10 ✓
Top guard stake
2+40 W.
See p. 20.

0'S 1.4 37.9

20'S 2.6 36.7

40'S 3.4 35.9

60'S 3.9 35.4

80'S 4.9 34.4

100'S 5.9 33.4

120'S 7.0 32.3

140'S 8.1 31.2

160'S 9.2 30.1

180'S 9.9 29.4

200'S 10.8 28.5

S.E. Quad 0+40E

49

539.27 ✓

0'S 1.2 38.1

20'S 2.5 36.8

40'S 3.2 36.1

60'S 4.0 35.3

80'S 5.0 34.3

100'S 6.0 33.3

120'S 7.1 32.2

140'S 8.2 31.1

160'S 9.0 30.3

180'S 9.7 29.6

200'S 10.7 28.6

S.E. Quad		0+60E	
	+	✓	-
		539.27	
0'S		0.7	538.6
20'S		2.6	36.7
40'S		3.3	36.0
60'S		4.2	35.1
80'S		5.1	34.2
100'S		6.0	33.3
120'S		7.1	32.2
140'S		8.1	31.2
160'S		9.0	30.3
180'S		9.9	29.4
200'S		10.9	28.4

S.E. Quad		0+80E		
	+	✓	-	
		539.27		49
0'S		1.1	538.2	
20'S		2.6	36.7	
40'S		3.5	35.8	
60'S		4.3	35.0	
80'S		5.3	34.0	
100'S		6.2	33.1	
120'S		6.7	32.6	
140'S		8.1	31.2	
160'S		9.1	30.2	
180'S		10.1	29.2	
200'S		11.0	28.3	

S.E. Quad

1400 E

+

π

-

539.27

	+	π	-
0's		1.4	537.9
20's		2.8	36.5
40's		3.7	35.6
60's		4.6	34.7
80's		5.4	33.9
100's		6.2	33.1
120's		7.3	32.0
140's		8.2	31.1
160's		9.3	30.0
180's		10.2	29.1
200's		11.0	28.3

S.E. Quad

1400 E

58

+

π

-

539.27

	+	π	-
0's		1.1	538.2
20's		2.5	36.8
40's		3.8	35.5
60's		4.8	34.5
80's		5.5	33.8
100's		6.2	33.1
120's		7.3	32.0
140's		8.3	31.0
160's		9.5	29.8
180's		10.3	29.0
200's		11.2	28.1

S.E. Quad

1440E

+ -
 ✓
539.27

0's	1.5	537.8
20's	2.2	37.1
40's	4.1	35.2
60's	4.8	34.5
80's	5.6	33.7
100's	6.5	32.8
120's	7.4	31.9
140's	8.5	30.8
160's	9.5	29.8
180's	10.5	28.8
200's	11.4	27.9

S.E. Quad

1460E

+ -
 ✓
539.27

57

0's	2.1	537.2
20's	3.0	36.3
40's	4.3	35.0
60's	5.0	34.3
80's	5.9	33.4
100's	6.8	32.5
120's	7.6	31.7
140's	8.7	30.6
160's	9.7	29.6
180's	10.5	28.8
200's	11.7	27.6

S.E. Quad

1480 E

+

π

-

539.27

	+	π	-
0's		1.7	537.6
20's		2.6	36.7
40's		4.3	35.0
60's		5.2	34.1
80's		6.0	33.3
100's		6.9	32.4
120's		7.9	31.4
140's		8.8	30.5
160's		9.8	29.5
180's		10.8	28.5
200's		11.7	27.6

S.E. Quad

2400 E

+

π

-

539.27

52

	+	π	-
0's		1.8	537.5
20's		2.8	36.5
40's		4.0	35.3
60's		5.1	34.2
80's		6.2	33.1
100's		6.9	32.4
120's		7.9	31.4
140's		8.8	30.5
160's		9.9	29.4
180's		11.0	28.3
200's		11.9	27.4

S.E. Pond

2+20E

	+	π	-
		539.27	
0's		1.9	537.4
20's		3.1	36.2
40's		3.9	35.4
60's		5.1	34.2
80's		6.0	33.3
100's		6.9	32.4
120's		8.0	31.3
140's		8.9	30.4
160's		9.9	29.4
180's		10.9	28.4
200's		11.9	27.6

S.E. Pond

2+40E

53

	+	π	-
		539.27	
0's		2.0	537.3
20's		3.0	36.3
40's		4.1	35.2
60's		4.8	34.5
80's		5.7	33.6
100's		7.0	32.3
120's		8.1	31.2
140's		9.1	30.2
160's		9.8	29.5
180's		10.8	28.5
200's		11.8	27.5

S.E. Quad

2460E

	+	T	-
		✓ 539.27	
0's		1.8	537.5
20's		2.9	36.4
40's		4.3	35.0
60's		4.8	34.5
80's		5.7	33.6
100's		6.8	32.5
120's		7.9	31.4
140's		8.8	30.5
160's		9.6	29.7
180's		10.5	28.8
200's		11.6	27.7

S.E. Quad

2480E

54

	+	T	-
		✓ 539.27	
0's		1.5	537.8
20's		2.9	36.4
40's		4.1	35.2
60's		5.0	34.3
80's		5.7	33.6
100's		6.7	32.6
120's		7.7	31.6
140's		8.8	30.5
160's		9.6	29.7
180's		10.3	29.0
200's		11.3	28.0

S.E. Quad.

3+00E

+

T

-

539.27

0'S		2.0	537.3
20'S		2.4	36.9
40'S		3.8	35.5
60'S		4.6	34.7
80'S		5.5	33.8
100'S		6.4	32.9
120'S		7.4	31.9
140'S		8.3	31.0
160'S		9.5	29.8
180'S		10.5	28.8
200'S		11.2	28.1

S.E. Quad

3+20E

+

T

-

539.27

55

0'S		2.1	37.2
20'S		2.9	36.4
40'S		3.7	35.6
60'S		4.4	34.9
80'S		5.5	33.8
100'S		6.5	32.8
120'S		7.4	31.9
140'S		8.1	31.2
160'S		9.1	30.2
180'S		10.4	28.9
200'S		11.1	28.2

S.E. Quad

3+40 E

	+	π	-
		✓ 539.27	
0's		1.9	537.4
20's		2.5	36.8
40's		3.3	36.0
60's		4.1	35.2
80's		5.1	34.2
100's		6.0	33.3
120's		6.9	32.4
140's		8.0	31.3
160's		8.9	30.4
180's		10.1	29.2
200's		11.1	28.2

S.E. Quad.

3+60 E

56

	+	π	-
		✓ 539.27	
0's		1.9	537.4
20's		3.2	36.1
40's		3.4	35.9
60's		4.1	35.2
80's		5.0	34.3
100's		5.7	33.6
120's		7.0	32.3
140's		8.0	31.3
160's		9.1	30.2
180's		9.8	29.5
200's		10.6	28.7

S.E. Pond

3+80E

	+	π	-	
		✓ 539.27		
0's			1.8	537.5
20's			2.6	36.7
40's			3.1	36.2
60's			4.1	35.2
80's			5.0	34.3
100's			5.9	33.4
120's			7.0	32.3
140's			8.0	31.3
160's			9.0	30.3
180's			9.6	29.7
200's			10.5	28.8

S.E. Pond

4+00E

57

	+	π	-	
		✓ 539.27		
0's			1.6	537.7
20's			2.5	36.8
40's			3.9	35.4
60's			4.3	35.0
80's			5.3	34.0
100's			6.0	33.3
120's			7.1	32.2
140's			7.5	31.8
160's			8.7	30.6
180's			9.6	29.7
200's			10.4	28.9

S.E. Quad

4+20E

539.27

	+	-
0's	1.6	537.7
20's	2.5	36.8
40's	3.4	35.9
60's	4.1	35.2
80's	4.7	34.6
100's	6.0	33.3
120's	7.1	32.2
140's	7.8	31.5
160's	8.7	30.6
180's	9.7	29.6
200's	10.5	28.8

S.E. Quad

4+40E

58

539.27

	+	-
0's	1.6	537.7
20's	2.4	36.9
40's	3.2	36.1
60's	4.6	34.7
80's	5.3	34.0
100's	5.8	33.5
120's	7.1	32.2
140's	8.0	31.3
160's	8.6	30.7
180's	9.7	29.6
200's	10.5	28.8

S.E. Road

4+60 E

+ T
✓
539.27

0's	1.9	537.4
20's	2.5	36.8
40's	3.2	36.1
60's	4.2	35.1
80's	5.0	34.3
100's	5.8	33.5
120's	7.1	32.2
140's	8.1	31.2
160's	8.9	30.4
180's	9.5	29.8
200's	10.6	28.7

S.E. Road

4+80 E

57

+ T
✓
539.27

0's	2.0	37.3
20's	2.6	36.7
40's	3.4	35.9
60's	4.5	34.8
80's	5.8	33.5
100's	6.4	32.9
120's	7.0	32.3
140's	8.2	31.1
160's	9.1	30.2
180's	9.8	29.5
200's	10.2	28.6

S.E. Quad

5400E

+ π
539.22

	+	π	-
0's		1.9	537.4
20's		2.9	36.4
40's		3.7	35.6
60's		4.5	34.8
80's		5.6	33.7
100's		6.0	33.3
120's		7.0	32.3
140's		8.2	31.1
160's		9.4	29.9
180's		10.2	29.1
200's		11.0	28.3

S.E. Quad

5420E

60

+ π
539.27

	+	π	-
0's		1.7	537.6
20's		2.8	36.5
40's		3.8	35.5
60's		4.5	34.8
80's		5.2	34.1
100's		6.6	32.7
120's		7.5	31.8
140's		8.5	30.8
160's		9.5	29.8
180's		10.1	29.2
200's		10.9	28.4

S.E. Quad.	5+40E	Elev.	
	539.27		
0's	1.8	537.5	On road
20's	1.9	37.9	On road
40's	3.7	35.6	
60's	4.6	34.7	
80's	5.3	34.0	
100's	6.5	32.8	
120's	7.0	32.3	
140's	8.1	31.2	
160's	9.3	30.0	
180's	10.3	29.0	
200's	10.9	28.9	
T.P.	10.88	528.39	
	+3.92	532.31	

Top board
stake at
station 2+00 E
200' south of
East West axis

S.E. QUAD.	0+20 E.	H.d.	ELEV.	✓
		532.31		
220's		4.6	527.7	✓
240's		5.5	26.8	✓
260's		6.5	25.8	✓
280's		7.7	24.6	✓
300's		8.5	23.8	✓
320's		9.3	23.0	✓
340's		10.1	22.2	✓
360's		11.2	21.1	✓
380's		12.2	20.1	✓
400's		13.6	18.7	✓
R.M.	+ 7.11	521.14	514.03	CONC. MON. 1998
420's		4.2	16.9	✓
440's		6.2	14.9	✓
460's		8.0	13.1	✓
480's		10.5	10.6	✓
500's		12.8	08.3	✓

SEQUARD	0+40E		
	+	H.I	- ELEV
		532.31 ✓	
220 S		4.8	527.5 ✓
240 S		5.8	26.5 ✓
260 S		6.7	25.6 ✓
280 S		7.9	24.4 ✓
300 S		8.7	23.6 ✓
320 S		9.4	22.9 ✓
340 S		10.2	22.1 ✓
360 S		11.1	21.1 ✓
380 S		12.2	20.1 ✓
400 S		13.8	18.5 ✓
		521.14 ✓	
420'S		4.3	516.8 ✓
440'S		6.3	14.8 ✓
460'S		8.6	12.5 ✓
480'S		10.7	10.4 ✓
500'S		12.9	08.2 ✓

SEQUARD	0+60E			62
	+	H.I	- ELEV	
		532.31 ✓		
220 S		4.9	527.4 ✓	
240 S		5.9	26.4 ✓	
260 S		7.0	25.3 ✓	
280 S		8.0	24.3 ✓	
300 S		8.9	23.4 ✓	
320 S		9.6	22.7 ✓	
340 S		10.5	21.8 ✓	
360 S		11.0	21.3 ✓	
380 S		12.4	19.9 ✓	
400 S		13.9	18.4 ✓	
		521.14 ✓		
420'S		4.5	516.6 ✓	
440'S		6.6	14.5 ✓	
460'S		8.6	12.5 ✓	
480'S		10.6	10.5 ✓	
500'S		12.8	08.3 ✓	

S.E. QUAD	+	HI	-	ELEV	
		532.31			
220'S			5.0	527.3	✓
240'S			6.0	26.3	✓
260'S			6.7	25.6	✓
280'S			7.8	24.5	✓
300'S			8.7	23.6	✓
320'S			9.6	22.7	✓
340'S			10.2	22.1	✓
360'S			11.3	21.0	✓
380'S			12.6	19.7	✓
400'S			14.0	18.3	✓

521.14 ✓

420'S			4.5	516.6	✓
440'S			6.4	14.7	✓
460'S			8.5	12.6	✓
480'S			10.7	10.4	✓
500'S			13.1	08.0	✓

S.E. QUAD	+	HI	-	ELEV	63
		532.31			
220'S			5.3	527.0	✓
240'S			6.0	26.3	✓
260'S			6.7	25.6	✓
280'S			7.6	24.7	✓
300'S			8.7	23.6	✓
320'S			9.6	22.7	✓
340'S			10.3	22.0	✓
360'S			11.4	20.9	✓
380'S			12.6	19.7	✓
400'S			14.0	18.3	✓

521.14 ✓

420'S			4.6	516.5	✓
440'S			6.0	15.1	✓
460'S			8.3	12.8	✓
480'S			10.6	10.5	✓
500'S			13.2	07.9	✓

S.E. Quad		1+20E	
+	HJ	-	Elev
	532.31		
220's		5.2	527.1 ✓
240's		6.1	26.2 ✓
260's		6.9	25.4 ✓
280's		7.6	24.7 ✓
300's		8.7	23.6 ✓
320's		9.7	22.6 ✓
340's		10.5	21.8 ✓
360's		11.7	20.6 ✓
380's		12.8	19.5 ✓
400's		14.0	18.3 ✓
	521.14		
420's		4.6	516.5 ✓
440's		6.3	14.8 ✓
460's		8.4	12.7 ✓
480's		10.6	10.5 ✓
500's		13.4	07.7 ✓

S.E. Quad		1+40E		64
+	HJ	-	Elev	
	532.31			
220's		5.4	526.9 ✓	
240's		6.0	26.3 ✓	
260's		6.9	25.4 ✓	
280's		7.8	24.5 ✓	
300's		8.7	23.6 ✓	
320's		9.5	22.8 ✓	
340's		10.6	21.7 ✓	
360's		11.6	20.7 ✓	
380's		12.7	19.6 ✓	
400's		14.0	18.3 ✓	
	521.14			
420's		4.5	516.6 ✓	
440's		6.5	14.6 ✓	
460's		8.3	12.8 ✓	
480's		10.5	10.6 ✓	

S.E. Quad		1+60E	
+	H I	-	Elev
	532.31		
220's		5.4	526.9 ✓
240's		6.0	26.3 ✓
260's		6.9	25.4 ✓
280's		7.9	24.4 ✓
300's		8.8	23.5 ✓
320's		9.7	22.6 ✓
340's		10.5	21.8 ✓
360's		11.5	20.8 ✓
380's		12.5	19.8 ✓
400's		14.0	18.3 ✓

R.M.	+5.40	519.49	514.09	Conv. Mon. & Axis.
420's			2.6	516.8 ✓
440's			4.4	15.0 ✓
460's			6.5	12.9 ✓
480's			8.9	10.5 ✓
500's			11.5	07.9 ✓

S.E. Quad		1+80E		65
+	H I	-	Elev	
	532.31			
220's		5.5	526.8 ✓	
240's		6.3	26.0 ✓	
260's		7.2	25.1 ✓	
280's		8.2	24.1 ✓	
300's		9.2	23.1 ✓	
320's		10.3	22.0 ✓	
340's		10.8	21.5 ✓	
360's		11.7	20.6 ✓	
380's		12.8	19.5 ✓	
400's		14.1	18.2 ✓	

R.M.	+5.40	519.49	519.43	
420's			2.6	516.8 ✓
440's			4.2	15.2 ✓
460's			6.3	13.1 ✓
480's			8.5	10.9 ✓
500's			11.1	08.3 ✓

SE Quad

2+00 E

	+	HI	-	
		532.31		
220'S		5.7	526.6	✓
240'S		6.4	25.9	✓
260'S		7.3	25.0	✓
280'S		8.3	24.0	✓
300'S		9.3	23.0	✓
320'S		10.2	22.1	✓
340'S		10.9	21.4	✓
360'S		12.0	20.3	✓
380'S		13.1	19.2	✓
400'S		14.5	17.8	✓
TP BM		-3.92	528.39	ON Stake Sta 2+00
		519.43		
420'S		3.0	516.4	✓
440'S		4.4	15.0	✓
460'S		6.2	13.2	✓
480'S		8.3	11.1	✓
500'S		10.7	08.7	✓

SE Quad

2+20 E

66

	+	HI	-	ELEV
TBM	1.17	529.56		528.39 ON Stake Sta 2+00 see opp p
220'S		3.1	526.5	✓
240'S		3.8	25.8	✓
260'S		4.9	24.7	✓
280'S		5.8	23.8	✓
300'S		6.7	22.9	✓
320'S		7.3	22.3	✓
340'S		8.5	21.1	✓
360'S		9.6	20.0	✓
380'S		10.5	19.1	✓
400'S		11.9	17.7	✓
		519.43		
420'S		3.1	516.3	✓
440'S		4.4	15.0	✓
460'S		6.1	13.3	✓
480'S		8.4	11.0	✓
500'S		10.7	08.7	✓
CONT on Page 70				

Levels - to F. Hyd. & Res.

T.B.M.	13.03	544.85		531.82	532.48 see pg 1
T.P.	11.97	556.40	0.42	544.43	
EI.			6.76	549.64	
T.P.	12.75	568.94	0.21	556.19	
T.P.	11.23	579.99	0.18	568.76	
T.P.	12.85	592.61	0.23	579.76	
T.P.	12.16	604.57	0.20	592.41	
T.P.	12.86	617.20	0.23	604.34	
T.P.	12.53	629.55	0.18	617.02	
T.P.	12.84	642.20	0.19	629.36	
T.P.	12.49	654.62	0.07	642.13	
T.P.	12.90	667.31	0.21	654.41	
T.P.	13.00	680.23	0.08	667.23	
T.P.	10.97	690.85	0.35	679.88	
EI.			6.10	684.75	685.41
T.P.	12.79	703.47	0.17	690.68	
T.P.	12.95	716.27	0.15	703.32	
T.P.	10.72	724.65	2.34	713.93	

La Jolla Country Club

5-17-48 King
Rain Leonard
Nixon
67

Top Rock by sign Post - Romero - Brodigea P. 1

Top F. Hyd. N.E. Cor. Romero & Brodigea II

Top Five Hyd. N.E. Cor 7200 BIK - Encelia

Just so Country Club Res.

Elevs Country Club Res.

724.65

B.M. 353 721.12 721.78

4.38 720.27

6.52 718.13

20.50 704.15

20.80 703.85

20.90 703.75

B.M. 1.34 722.46 721.12

T.P. 0.48 710.31 12.63 709.83

T.P. 0.33 697.81 12.83 697.48

T.P. 0.15 684.91 13.05 684.76

T.P. 0.53 672.41 13.63 671.88

T.P. 0.06 659.75 12.72 659.69

T.P. 0.60 647.59 12.76 646.99

T.P. 0.00 634.61 12.98 634.61

Top U.S. C 69, Triangulation P.T. N.W. cor Res

La Jolla Country Club Res

Top conc. Hd W 11 Res.

Water level - La Jolla Country Club Res.

11.30 A.M. March 17- 1948

S.E. End - Bottom Res

E " "

N.W. " " "

See Top Page

		634.61		
T.P.	0.26	622.27	12.60	622.01
T.P.	0.02	609.21	13.08	609.19
T.P.	0.39	596.52	13.08	596.13
T.P.	0.11	583.67	12.96	583.52
T.P.	0.73	571.48	12.92	570.25
T.P.	0.43	559.08	12.83	558.65
T.P.	0.42	546.68	12.82	546.26
T.P.	0.02	534.48	12.22	534.46
T.P.	0.78	522.43	12.83	521.65
T.P.	0.55	510.65	12.93	509.50
T.P.	0.33	497.34	13.64	497.01
T.P.	0.26	484.97	12.63	484.71
T.P.	0.36	472.41	12.92	472.05
T.P.	0.71	460.35	12.77	459.64
T.P.	0.47	447.82	13.00	447.35
E.I.			8.57	439.25
T.P.	0.09	435.36	12.55	435.27
T.P.	0.25	423.34	12.27	423.09

L.S.T. 436.10
 & P.C. Carrizo Dr. at
 COUNTRY CLUB DR.

Top F.A. SE Cor. } 439.25 ✓
 COUNTY CLUB DR } 0.08
 & ROMERO DR } 439.33
 2.39
 437.94 = 436.10
 1.16 low.
 5

Top F. Hyd NE Cor. Country Club Drives Romero Dr

		423.34 ✓		
T.P.	0.68	411.03 ✓	12.99	410.35 ✓
T.P.	0.75	398.94 ✓	12.84	398.19 ✓
T.P.	0.41	386.35 ✓	13.00	385.94 ✓
T.P.	0.35	373.77 ✓	12.93	373.42 ✓
T.P.	0.19	361.14 ✓	12.82	360.93 ✓
T.P.	0.85	349.55 ✓	12.44	348.70 ✓
T.P.	0.12	336.75 ✓	12.92	336.63 ✓
T.P.	0.82	324.99 ✓	12.58	324.17 ✓
T.P.	0.96	312.88 ✓	13.07	311.92 ✓
T.P.	0.07	299.87 ✓	13.08	299.80 ✓
T.P.	0.64	288.50 ✓	12.01	287.86 ✓
T.P.	0.23	275.97 ✓	12.82	275.68 ✓
T.P.	0.90	263.96 ✓	12.85	263.06 ✓
T.P.	0.66	251.99 ✓	12.63	251.33 ✓
T.B.M.	0.79	247.53 ✓	5.25	246.74 ✓
B.M.	1.83	247.66 ✓	1.83	245.70 = 245.83
			+ 1.53	249.19 ✓
			2.00	245.66 ✓
			2.06	245.60 ✓

Turns checked
by Com. 3-24-49.

25

Nail in P. Pole Pepita & Co. Club S.E. Cor
Corrected to B.M. Pepita & Country Club Drive
Elev. gauge in P. House " " "
North Pump
South " "

SE. Quad 2+40E Cross section
Filter Plant SITE

+ HI - Elev

529.56

220S 3.0 526.6 ✓

240S 3.6 526.0 ✓

260S 4.6 25.0 ✓

280S 5.7 23.9 ✓

300S 6.6 23.0 ✓

320S 7.7 21.9 ✓

340S 8.7 20.9 ✓

360S 9.9 19.7 ✓

380S 10.8 18.8 ✓

400S 12.4 17.2 ✓

519.43

420'S 3.3 16.1 ✓

440'S 4.7 14.7 ✓

460'S 6.3 13.1 ✓

480'S 8.4 11.0 ✓

500'S 10.6 8.8 ✓

SE. QUAD 2+60E

+ HI - FLOW

71

529.56

220S 2.5 527.1 ✓

240S 3.4 26.2 ✓

260S 4.3 25.3 ✓

280S 5.4 24.2 ✓

300S 6.4 23.2 ✓

320S 7.5 22.1 ✓

340S 8.8 20.8 ✓

360S 10.2 19.4 ✓

380S 11.6 18.0 ✓

400S 12.7 16.9 ✓

519.43

420'S 3.9 15.5 ✓

440'S 5.1 14.3 ✓

460'S 6.6 12.8 ✓

480'S 9.0 10.43 ✓

500'S 10.8 8.6 ✓

SEQUARD 2+80 E

+ HI - ELEV

529.56

2205 2.5 527.1 ✓

2405 3.5 26.1 ✓

2605 4.4 25.2 ✓

2805 5.5 24.1 ✓

3005 6.6 23.0 ✓

3205 7.4 22.2 ✓

3405 8.7 20.9 ✓

3605 10.3 19.3 ✓

3805 11.7 17.9 ✓

4005 13.2 16.4 ✓

519.43

420's 4.2 515.2 ✓

440's 5.6 13.8 ✓

460's 7.1 12.3 ✓

480's 9.1 10.3 ✓

500's 11.1 8.3 ✓

SEQUARD 3+00

+ HI - ELEV

529.56

2205 2.6 527.0 ✓

2405 3.3 26.3 ✓

2605 4.4 25.2 ✓

2805 5.5 24.1 ✓

3005 6.2 23.4 ✓

3205 7.5 22.1 ✓

3405 8.6 21.0 ✓

3605 10.3 19.3 ✓

3805 11.9 17.7 ✓

4005 13.5 16.1 ✓

519.43

420's 4.5 14.9 ✓

440's 5.7 13.7 ✓

460's 7.1 12.3 ✓

480's 9.3 10.1 ✓

500's 11.8 07.6 ✓

72

S.E. Quad 3+20E

+ HI - ELEV

529.56

220's	2.2	527.4	✓
240's	3.3	26.3	✓
260's	4.4	25.2	✓
280's	5.4	24.2	✓
300's	6.3	23.3	✓
320's	7.3	22.3	✓
340's	8.6	21.0	✓
360's	10.1	19.5	✓
380's	11.5	18.1	✓
400's	13.2	16.4	✓

519.43

420's	4.5	14.9	✓
440's	6.2	13.2	✓
460's	7.9	11.5	✓
480's	9.6	09.8	✓
500's	12.1	07.3	✓

SE QUAD 3+40E

+ HI -

75

529.56

220's	2.3	527.3	✓
240's	3.2	26.4	✓
260's	4.3	25.3	✓
280's	5.4	24.2	✓
300's	6.5	23.1	✓
320's	7.6	22.0	✓
340's	8.8	20.8	✓
360's	10.2	19.4	✓
380's	11.5	18.1	✓
400's	12.9	16.7	✓

519.43

420's	4.8	514.6	✓
440's	7.2	12.2	✓
460's	8.9	10.5	✓
480's	10.8	8.6	✓
500's	13.2	6.2	✓

SEQUAL

3+60E

+

519.56

220's 2.0 527.6 ✓

240's 3.3 26.3 ✓

260's 4.4 25.2 ✓

280's 5.3 24.3 ✓

300's 6.3 23.3 ✓

320's 7.6 22.0 ✓

340's 8.7 20.9 ✓

360's 9.9 19.7 ✓

380's 11.3 18.3 ✓

400's 12.7 16.9 ✓

519.43

420's 4.6 519.8 ✓

440's 7.4 12.0 ✓

460's 9.8 09.6 ✓

480's 10.9 08.5 ✓

494's Tree line

500's 13.6 05.8 ✓

SEQUAL

3+80E

+

529.56

220's 1.6 528.0 ✓

240's 2.9 26.7 ✓

260's 4.1 25.5 ✓

280's 5.1 24.5 ✓

300's 6.2 23.4 ✓

320's 7.3 22.3 ✓

340's 8.6 21.0 ✓

360's 9.9 19.7 ✓

380's 11.4 18.2 ✓

400's 12.8 16.8 ✓

519.43

420's 4.9 519.5 ✓

440's 7.4 12.0 ✓

460's 10.7 08.7 ✓

480's 12.8 06.6 ✓

482's Tree line

74

SE QUAD 4+00E

+

529.56

220's 1.6 528.0 ✓

240's 2.8 26.8 ✓

260's 3.8 25.8 ✓

280's 4.7 24.9 ✓

300's 6.1 23.5 ✓

320's 7.2 22.4 ✓

340's 8.6 21.0 ✓

360's 10.0 19.6 ✓

380's 11.7 17.9 ✓

400's 13.6 16.0 ✓

519.43

420's 5.1 514.3 ✓

440's 8.2 11.2 ✓

460's 11.3 08.1 ✓

475's Tree line

480's

SE QUAD 4+20E

+

529.56

220's 1.7 527.9 ✓

240's 2.7 26.9 ✓

260's 4.0 25.6 ✓

280's 5.0 24.6 ✓

300's 6.1 23.5 ✓

320's 7.3 22.3 ✓

340's 8.9 20.7 ✓

360's 10.2 19.4 ✓

380's 11.8 17.8 ✓

400's 13.8 15.8 ✓

519.43

420's 5.6 513.8 ✓

440's 8.7 10.7 ✓

460's 11.6 07.8 ✓

463's Tree line

75

SE QUAD 4440 E

+ HI -
529.56

220's	1.7	527.9	✓
240's	2.9	26.7	✓
260's	4.2	25.4	✓
280's	5.0	24.6	✓
300's	6.3	23.3	✓
320's	7.8	21.8	✓
340's	9.2	20.4	✓
360's	10.6	19.0	✓
380's	12.2	17.4	✓
400's	14.3	15.3	✓

519.43

420's	6.9	512.5	✓
440's	9.7	09.7	✓
450's			Tree line

SE QUAD 4460 E

+ HI -
529.56

220's	2.0	527.6	✓
240's	3.1	26.5	✓
260's	4.3	25.3	✓
280's	5.3	24.3	✓
300's	6.6	23.0	✓
320's	8.2	21.4	✓
340's	9.4	20.2	✓
360's	11.2	18.4	✓
380's	13.0	16.6	✓
400's	15.0	14.6	✓

519.43

420's	7.2	512.2	✓
437's			Tree line
440's	10.3	09.1	✓

76

SE. QUAD

4+80E

+ H1 ✓
529.56

2205	2.2	527.4	✓
2405	3.0	26.6	✓
2605	4.1	25.5	✓
2805	5.2	24.4	✓
3005	6.5	23.1	✓
3205	8.1	21.5	✓
3405	9.8	19.8	✓
3605	11.5	18.1	✓
3805	15.6	14.0	✓
4005	15.8	13.8	✓

519.43 ✓

420'S	8.1	511.3	✓
425'S	Tree line		
440'S	11.6	7.8	✓

SE. QUAD

5+00E

77

+ H1 ✓
529.56

2205	2.1	527.5	✓
2405	3.2	26.4	✓
2605	4.1	25.5	✓
2805	5.4	24.2	✓
3005	6.8	22.8	✓
3205	8.2	21.4	✓
3405	10.1	19.5	✓
3605	11.9	17.7	✓
3805	13.8	15.8	✓
4005	16.3	13.3	✓

519.43 ✓

414'S	Tree line		
420'S	9.1	510.3	✓
CHECK			
R.M.	-5.90	514.03	✓

Cove. Mon
S. AXIS.

SE QUAD. 5+20E

+ H1 ✓ - ELEV

529.56

2205	2.1	527.5	✓
2405	3.3	26.3	✓
2605	4.5	25.1	✓
2805	5.6	24.0	✓
3005	6.9	22.7	✓
3205	8.4	21.2	✓
3405	10.3	19.3	✓
3605	12.4	17.2	✓
3805	14.4	15.2	✓
4005	Tree Line	16.9	12.7 ✓

S.E. QUAD. 5+40E

78

+ H2 ✓ - ELEV

529.56

2205	2.3	27.3	✓
2405	3.5	26.1	✓
2605	4.8	24.8	✓
2805	6.1	23.5	✓
3005	7.6	22.0	✓
3205	9.1	20.5	✓
3405	10.9	18.7	✓
3605	13.1	16.5	✓
3805	15.6	14.0	✓
3925	Tree Line		
4005	18.4	11.2	✓
Check B.M.	1.17	528.39 = 528.39	See P66

corn
Turns checked 3-22-98

4+60 - S.E. - 21 - 50 1/4 - 200'

5+40 - N.E. - 140x - least - 260 N From Mats Wood

S.W. Prop. Line - 380'

N.W. - 4+20 - 260 N.

Ex. Place a Prop. - N.E. B.P. 245.83

CITY OF SAN DIEGO

RECD

RESIDENT ENGINEER

76.86
80

41.56
8.50
50.06

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1 1/2

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be $41.9 + (20 - 16) \div 2$ or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.