

2 Topog

#4

LEVEL BOOK

370

W91

KEUFFEL & ESSER CO.

DRAWING MATERIALS

AND

SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

Tables for Excavations and Embankments.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

"Copyright, 1895, by Keuffel & Esser Co."

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 0 |
| 1 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 1 |
| 2 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 2 |
| 3 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 3 |
| 4 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 4 |
| 5 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 5 |
| 6 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 6 |
| 7 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 7 |
| 8 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 8 |
| 9 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 9 |
| 10 | 19.0 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 10 |
| 11 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 11 |
| 12 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 12 |
| 13 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 13 |
| 14 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 14 |
| 15 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 | 15 |
| 16 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 16 |
| 17 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 17 |
| 18 | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 18 |
| 19 | 28.0 | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 19 |
| 20 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 20 |
| 21 | 30.0 | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 21 |
| 22 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 22 |
| 23 | 32.0 | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 23 |
| 24 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 24 |
| 25 | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 25 |
| 26 | 35.0 | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 26 |
| 27 | 36.0 | 36.1 | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 | 36.7 | 36.8 | 36.9 | 27 |
| 28 | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 28 |
| 29 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 29 |
| 30 | 39.0 | 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 30 |
| 31 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5 | 40.6 | 40.7 | 40.8 | 40.9 | 31 |
| 32 | 41.0 | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 32 |
| 33 | 42.0 | 42.1 | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 | 42.7 | 42.8 | 42.9 | 33 |
| 34 | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 34 |
| 35 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 35 |
| 36 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 36 |

Calculated by Julien A. Hall, M. Am. Soc. C. E.

INDEX

| | Pg to Pg |
|--------------------------------|----------|
| Elevations Coord Intersections | 1-7 |
| 2' Topog Cont. from Book 3 | 9-34 |
| Levels Coord Intersections | 35-36 |
| 2' Topog | 36-60 |
| Levels Coord Intersections | 61-63 |
| 2' Topog | 64-88 |

Elevations 25 Coord Intersections

H Line

1

| I line | | | | | | |
|------------|--------|------|--------|------|------------|------------------|
| I 00 | 6872 | I 16 | 6712 | I 32 | H 00 | 70.26 H16 6754 |
| I 1 | 6392 | I 17 | 6896 | I 33 | H 1 | 64.56 H17 69.15 |
| I ✓ | 56.41 | I 18 | 7688 | I 34 | H ✓ | 59.0 ✓ H18 74.26 |
| I 3 | 4941 | I 19 | 8184 | I 35 | H 3 | 51.91 |
| I 4 | 40.59 | I 20 | 8465 | I 36 | H 4 | 44.09 |
| I 5 | 30.35 | I 21 | 8800 | I 37 | H 5 | 36.95 |
| I 6 | 20.32 | I 22 | 9517 | I 38 | H 6 | 25.81 |
| I 7 | 10.18 | I 23 | 402.14 | I 39 | H 7 | 19.17 |
| I 8 | 401.80 | I 24 | | I 40 | H 8 | 409.71 |
| I 9-14's | 405.47 | | | | H 9 | 403.36 |
| I 9 | 9661 | I 25 | | | H 10 | 67.94 |
| I 10-15985 | 92.68 | | | | H 10-15985 | 88.94 |
| I 10 | 71.43 | I 26 | | | H 11 | 66.14 |
| I 11 | 6634 | I 27 | | | H 12 | 65.72 |
| I 12 | 6533 | I 28 | | | H 13 | |
| I 13 | 6540 | I 29 | | | H 14 | |
| I 14 | 6721 | I 30 | | | H 15 | 66.83 |
| I 15 | 66.98 | I 31 | | | | |

Copied
Bk 6

| | | G Line Ele | |
|------|--------|------------|-------|
| G 00 | 73.78 | G 17 | 71.13 |
| G 1 | 67.41 | G 18 | 74.60 |
| G 2 | 62.97 | | |
| G 3 | 55.07 | | |
| G 4 | 46.71 | | |
| G 5 | 39.31 | | |
| G 6 | 31.13 | | |
| G 7 | 23.77 | | |
| G 8 | 15.51 | | |
| G 9 | 408.37 | | |
| G 10 | 67.35 | | |
| G 11 | 66.15 | | |
| G 12 | 65.20 | | |
| G 13 | 65.52 | | |
| G 14 | | | |
| G 15 | 66.80 | | |
| G 16 | 66.99 | | |

| | | F Line Ele | |
|------|--------|------------|-------|
| F 00 | 78.95 | F 17 | 78.58 |
| F 1 | 70.68 | F 18 | 88.18 |
| F 2 | 64.61 | F 19 | |
| F 3 | 59.20 | F 20 | |
| F 4 | 50.14 | | |
| F 5 | 43.25 | | |
| F 6 | 34.98 | | |
| F 7 | 26.36 | | |
| F 8 | 17.72 | | |
| F 9 | 404.31 | | |
| F 10 | 73.30 | | |
| F 11 | 65.85 | | |
| F 12 | 65.36 | | |
| F 13 | | | |
| F 14 | | | |
| F 15 | 66.92 | | |
| F 16 | 65.38 | | |

Copied
 12/6

2

E line E/c

| | | | |
|------------|--------|------|------|
| E 00 | 8307 | E 17 | 8527 |
| E 1 | 7462 | E 18 | 9220 |
| E 2 | 6961 | E 19 | |
| E 3 | 6247 | | |
| E 4 | 5326 | | |
| E 5 | 4622 | | |
| E 6 | 3800 | | |
| E 7 | 2942 | | |
| E 8 | 1919 | | |
| E 9 | 400.40 | | |
| E 10 | 9007 | | |
| E 11 | 7446 | | |
| E 11-12.55 | 800.6 | | |
| E 12 | 6509 | | |
| E 13 | 6507 | | |
| E 14 | | | |
| E 15 | 6676 | | |
| E 16 | 6533 | | |

D line E/c's

3

| | | | |
|----------|------|------|-------|
| D 00 | 8865 | D 16 | 6598 |
| D 1 | 7897 | D 17 | 7913 |
| D 2 | 7289 | D 18 | 01.93 |
| D 3 | 6721 | | |
| D 4 | 5926 | | |
| D 5 | 4920 | | |
| D 6 | 4016 | | |
| D 7 | 3140 | | |
| D 8 | 1774 | | |
| D 9 | 9596 | | |
| D 10 | 8639 | | |
| D 11 | 7800 | | |
| D 12 | 6509 | | |
| D 13 | | | |
| D 14 | | | |
| D 15 | 6666 | | |
| D 15-15N | 6973 | | |

Good
PK 6

"C" line Elev

"B" line Elev

4

G 00 8921 C 16 66.68
 G 1 83.65 C 17 75.61
 G 2 78.80 C 18 412.11
 G 3 71.63
 G 4 63.21
 G 5 54.86
 G 6 47.94
 G 7 37.37
 G 8 21.11
 G 9
 G 10 81.18
 G 11 70.71
 G 12 64.92
 G 13 65.10
 G 14
 G 15 66.62
 G 15-18'N 68.72

B 00 9400 B 16 66.41
 B 1 87.57 B 17 92.08
 B 2 82.68 B 18
 B 3 78.93
 B 4 75.82
 B 5 60.27
 B 6 51.40
 B 7 34.15
 B 8 19.91
 B 9-12'N 10.12
 B 9 97.16
 B 10 74.54
 B 11 66.69
 B 12 65.05
 B 13
 B 14
 B 15 66.36

Adjusted
 B 16

"A" line E/e

| | | | |
|---------|-------|----------------------------|-------|
| A 00 | 9709 | A 14 | 6599 |
| A 1 | 8814 | A 15 | 6595 |
| A 2 | 8449 | A 15-8N | 7057 |
| A 3 | 8320 | ^{934N} A 16.5N | 9263 |
| A 4 | 8286 | ^{21N} A 16 | |
| A 5 | 8266 | ^{51N} A 17 | 41473 |
| A 6 | 6899 | A 18-7S | 2333 |
| A 7 | 4799 | A 18-3S | 2879 |
| A 7-61N | 39.21 | A 18 | 38.11 |
| A 7-16N | 25.92 | | |
| A 8 | 17.08 | A 19 | 44644 |
| A 8-13N | 02.38 | | |
| A 8-31N | 15.80 | A 20 | 5602 |
| A 9 | 8504 | A 21 | 6341 |
| | | A 22 | |
| A 10 | 6987 | | |
| A 11 | 6655 | | |
| A 12 | 6508 | | |
| A 13 | 64.96 | | |

"M" line E/e

| | | | |
|----------|--------|---------------------------------|------|
| M 00 | 50205 | M 14 | |
| M 1 | 8883 | M 15 | 6570 |
| M 2 | 8388 | M 16 | 7116 |
| M 3 | 8335 | M 17 | 8892 |
| M 4 | 7987 | ^{14.98-11.514} M 17 | 9920 |
| M 5 | 7038 | | |
| M 6 | 6786 | | |
| M 7-4N | 37.81 | | |
| M 8 | 20.09 | | |
| M 8-9.3N | 11.42 | | |
| M 9 | 399.02 | | |
| M 10 | 7929 | | |
| M 11 | 6624 | | |
| M 12 | | | |
| M 13 | | | |

Checked
OK 6

| | | "N" line | E/c |
|---------|-------|---------------------|-------|
| N00 | 50305 | N14 | |
| N1 | 9515 | N15 | 6600 |
| N2 | 8872 | N16 | 7499 |
| N3 | 8342 | N17 | 9039 |
| N4 | 7731 | ^{955N} N17 | 39910 |
| N5 | 6915 | ^{15'N} N17 | 40921 |
| N6 | 6105 | N18 | 1822 |
| N7 | 5036 | ^{12'N} N18 | 2287 |
| N7-153N | 4125 | N19 | 3336 |
| N-8 | 2530 | ^{15'N} N19 | 4644 |
| N8-9'N | 1624 | | |
| N9 | 0106 | | |
| N10 | 8447 | | |
| N11 | 6654 | | |
| N12 | 6482 | | |
| N13 | 6489 | | |

| | | "O" Line | E/c |
|-----------|-------|----------------------|--------|
| 000 | 50660 | 012 | 6475 |
| 01 | 50066 | 013 | |
| 02 | 9325 | 014 | |
| 03 | 8746 | 015 | 6579 |
| 04 | 7898 | 016 | |
| 05 | 7291 | 017 | 7764 |
| 06 | 6398 | ^{1784N} 017 | 402399 |
| 07 | 5555 | | |
| 07-16'N | 4694 | ^{12'N} 018 | 2763 |
| 08-1518E | 3887 | 019 | 3593 |
| 08- | 3114 | ^{15'N} 019 | 4939 |
| 08-75'N | 2003 | 020 | 5612 |
| 09- | 0492 | 021 | 7051 |
| 010 | 8959 | 022 | 7642 |
| 0-10-13'N | 9607 | | |
| 011 | 7663 | | |

5

Copied
 6
 R.R.

"P" line etc

P00 1215 P13 6472
 P1 50522 P14
 P2 9826 P15 6557
 P3 9096 P17-Q18 8162
 ON Dia 173
 P4 P17 7629
 3885
 P5 P18 8129
 P6 P18 8662
 P7
 P8 3470
 P9-5'3 04.37
 P9-8'11 398.24
 P9 401.17
 P10-4955 9553
 P10-2'11 8447
 P10 8703
 P11 6955
 P12 6518

"Q" line etc

Q00 51805 Q18 8464
 Q1 51730 Q19 12024
 Q2 50343 Q18 1058
 7'N
 Q3 9287 Q19 4078
 12'N
 Q4 Q20 5502
 12'N
 Q5 Q20 6519
 Q6 Q21 7375
 Q7 Q22 7989
 Q8
 Q9 4'W 9343
 Q10 6911
 Q11 6606
 Q12 6552
 Q15 6556
 Q10-R11
 ON Dia 1045 8064
 Q16
 Q17 7327

Checked
 P 6

42 5 46
 12 65
 43 813

"R" line Elev

E. Dam.
 Elev. Tangent Point 7

R00 52575 R17-3'N 87.97
 R1 1663 R17-15'N 96.86
 R2 507.38 R18 97.13
 R3 89.82 R19 425.46
 R4 R20 441.39
 R5 399.85 R21. 6464
 R6 98.39
 R7 91.76
 R8 87.57
 R9 71.73
 R10 66.13
 R11 65.98
 R12 64.67
 R13 64.70
 R14 65.51
 R15 65.60
 R16-12'N 68.98

5443⁷⁹ 471.42
 5+50 75.54
 6+00 73.90
 6+25 80.31
 6+50 84.70
 6+75 89.01
 7+00 90.75
 7+25 92.94
 7+35²⁹ 93.40

Adjusted
 Bk 6.
 Sept. 17-17

8

141-45

6442

Cont. from Book 3 P. 53

At B5

6027

6442

At B5

8/24/17

9

6027

| | | | | | | | | | | | |
|----|------|--------|-------|------|--------|----|------|--------|-------|------|--------|
| 56 | 499 | 294 | 56 | 10.3 | 228 | 56 | 22.3 | 147-30 | 58 | 68 | 41 |
| 56 | 45.1 | 300 | 56 | 14.7 | 219-30 | 56 | 22.0 | 139-20 | 58 | 10.7 | 198 |
| 56 | 30.6 | 295-30 | 56 | 14.5 | 211 | 56 | 26.2 | 143 | 58 | 8.6 | 206-30 |
| 56 | 32.4 | 288 | 56 | 8.9 | 208-30 | 56 | 26.7 | 145-30 | 58 | 5.0 | 206-30 |
| 56 | 32.2 | 282-30 | 56 | 13.3 | 200-30 | 56 | 34.8 | 150 | 58 | 4.6 | 226 |
| 56 | 30.5 | 286 | 56 | 15.2 | 197-30 | 56 | 37.5 | 150 | 58 | 6.8 | 250 |
| 56 | 30. | 291-30 | RC 56 | 12.8 | 205 | 56 | 41.6 | 149 | 58 | 8.6 | 266 |
| 56 | 24.8 | 290 | " 56 | 14.6 | 205 | 58 | 18.9 | 133 | 58 | 10.1 | 259 |
| 56 | 24.4 | 284 | " 56 | 13.7 | 209 | 58 | 18.0 | 134 | 58 | 10.6 | 282-30 |
| 56 | 21.6 | 284 | " 56 | 16.9 | 203-30 | 58 | 18.2 | 144 | RC 58 | 13.0 | 254-30 |
| 56 | 19.7 | 275 | " 56 | 16.5 | 208 | 58 | 16.3 | 150-30 | " 58 | 14.3 | 251-30 |
| 56 | 17.0 | 273-30 | " 56 | 18.5 | 209 | 58 | 13.8 | 137-30 | 58 | 16.1 | 291 |
| 56 | 16.7 | 285-30 | " 56 | 17.0 | 208-30 | 58 | 11.0 | 143-30 | 58 | 16.3 | 297-30 |
| 56 | 15.3 | 251 | 56 | 18.5 | 176 | 58 | 14.8 | 157-30 | 58 | 24.7 | 296 |
| 56 | 16.6 | 235 | 56 | 19.3 | 164 | 58 | 13.4 | 173 | 58 | 27.3 | 302 |
| 56 | 15.9 | 233 | 56 | 14.8 | 155 | 58 | 15.6 | 167 | 58 | 33.4 | 302-30 |
| 56 | 11.2 | 239 | 56 | 19.1 | 158 | 58 | 13.9 | 185-30 | 58 | 45.5 | 305-30 |
| | | | | | | 58 | 51.6 | | 58 | 51.6 | 294-30 |

6442

AT B5

60.27

6442

AT B5

20
60.27

| | | | | | |
|----|------|--------|----|------|--------|
| 60 | 49.3 | 301-30 | 60 | 13.5 | 132-30 |
| 60 | 46.2 | 309-30 | 60 | 15.9 | 129 |
| 60 | 40.7 | 309 | 60 | 16.7 | 117-30 |
| 60 | 37.0 | 305-30 | 60 | 19.3 | 114 |
| 60 | 20.4 | 303-30 | 60 | 23.4 | 119 |
| 60 | 16.8 | 299 | 60 | 24.7 | 123-30 |
| 60 | 15.0 | 299-30 | 60 | 26.0 | 121-30 |
| 60 | 14.2 | 305 | 62 | 24.8 | 114 |
| 60 | 12.1 | 299 | 62 | 20.8 | 112-30 |
| 60 | 3.0 | 138-30 | 62 | 20. | 108-30 |
| 60 | 4.6 | 150 | 62 | 14.9 | 108 |
| 60 | 5.8 | 125 | 62 | 14.7 | 114 |
| 60 | 6.7 | 139-30 | 62 | 11.6 | 118 |
| 60 | 7.8 | 116 | 62 | 8.0 | 95-30 |
| 60 | 9.2 | 116-30 | 62 | 9.0 | 111 |
| 60 | 10.2 | 125-30 | 62 | 5.3 | 106 |
| 60 | 12.3 | 127 | 62 | 4.6 | 66 |

| | | | | | |
|----|------|--------|----|------|-------|
| 62 | 9.7 | 338 | 64 | 13.1 | 331 |
| 62 | 10 | 325 | 64 | 13.1 | 339 |
| 62 | 13.5 | 324 | 64 | 10.7 | 349 |
| 62 | 13.5 | 318 | 64 | 7.5 | 38 |
| 62 | 17.7 | 319 | 64 | 6.5 | 65 |
| 62 | 23.8 | 309-30 | 64 | 7.9 | 68 |
| 62 | 29.8 | 308-30 | 64 | 11.8 | 96 |
| 62 | 36.9 | 309 | 64 | 15.0 | 101 |
| 62 | 42.8 | 312-30 | 64 | 16.5 | 97-30 |
| 62 | 46.7 | 314 | 64 | 16.7 | 101 |
| 62 | 49.0 | 308 | 62 | 33.2 | 107 |
| 64 | 52.0 | 313-30 | | | |
| 64 | 48.5 | 319 | | | |
| 64 | 47.1 | 316-30 | | | |
| 64 | 32.5 | 314-30 | | | |
| 64 | 28.8 | 320 | | | |
| 64 | 17.5 | 326-30 | | | |

4.1=45
80.32

B4

75.82

| | | | | | |
|----|------|--------|----|------|----------|
| 68 | 36.0 | 143 | 70 | 21.0 | 295°30' |
| 68 | 32.6 | 143 | 70 | 13.2 | 284° |
| 68 | 29.5 | 141 | 70 | 10.5 | 276° |
| 68 | 25.2 | 149 | 70 | 8.5 | 262° |
| 68 | 10.4 | 173 | 70 | 6.4 | 235° |
| 68 | 9.2 | 200-30 | 70 | 7.6 | 206° |
| 68 | 11.3 | 261-30 | 70 | 8.5 | 171°30' |
| 68 | 12.2 | 269 | 70 | 18.0 | 147°30' |
| 68 | 14.7 | 270 | 70 | 23.9 | 146°30' |
| 68 | 18.2 | 283 | 70 | 29.4 | 139° |
| 68 | 28.4 | 296 | 70 | 31.5 | 141° |
| 68 | 31.1 | 297-30 | 70 | 33.3 | 140° |
| 68 | 32.1 | 302 | 72 | 31.2 | 135° |
| 68 | 42.9 | 303 | 72 | 29.2 | 135°30' |
| 70 | 43.8 | 306 | 72 | 27.2 | 139°-30' |
| 70 | 32.2 | 306 | 72 | 21.5 | 140° |
| 70 | 29.1 | 299-30 | 72 | 16.1 | 145° |

80.32

B4

75.82

| | | | | | |
|----|------|---------|----|------|---------|
| 72 | 14.0 | 141°00' | 74 | 24.6 | 303° |
| 72 | 11.0 | 149°00' | 74 | 18.5 | 302°30' |
| 72 | 8.9 | 150° | 74 | 12.2 | 289° |
| 72 | 7.5 | 170° | 74 | 8.2 | 284°30' |
| 72 | 6.7 | 269° | 74 | 5.4 | 297°30' |
| 72 | 10.9 | 180°30' | 74 | 3.0 | 272° |
| 72 | 17.5 | 298° | 74 | 6.6 | 154°30' |
| 72 | 27.0 | 301° | 74 | 11.5 | 136° |
| 72 | 28.6 | 303° | 74 | 16.6 | 140° |
| 72 | 30.6 | 311° | 74 | 19.2 | 139° |
| 72 | 35.5 | 316° | 74 | 24.6 | 135°30' |
| 72 | 45.6 | 318° | 74 | 28.2 | 136° |
| 74 | 43.7 | 323° | 74 | 30.0 | 132°30' |
| 74 | 38.3 | 322° | 76 | 28.4 | 129° |
| 74 | 37.8 | 322°30' | 76 | 24.1 | 129° |
| 74 | 31.0 | 318° | 76 | 18.5 | 133°30' |
| 74 | 27.1 | 310° | 76 | 16.2 | 133°30' |

| | | | | | | |
|-------------------|----------------------|---------|----|-------------------|---------|--|
| 80.3 ^m | | | | | | |
| 76 | | B4 | | 75.8 ^m | | |
| 76 | 12.5 | 129° | 78 | 15.5 | 318° | |
| 76 | 10.7 | 128°30' | 78 | 12.4 | 330°30' | |
| 76 | 8.6 | 123°30' | 78 | 8.8 | 328° | |
| 76 | 6.4 | 138° | 78 | 3.8 | 3° | |
| 76 | 3.5 | 158° | 78 | 6.6 | 121° | |
| 76 | 5.7 | 304° | 78 | 10.3 | 131°30' | |
| 76 | 16.6 | 305° | 78 | 24.2 | 125° | |
| 76 | 26.5 | 319° | 78 | 27.0 | 124°30' | |
| 76 | 33.8 | 323° | | | | |
| 76 | 40.6 | 328°30' | | | | |
| 76 | 49.2 | 326° | | | | |
| 78 | 50.2 ^{50.2} | 331° | | | | |
| 78 | 41.5 | 333° | | | | |
| 78 | 40.5 | 336° | | | | |
| 78 | 33.4 | 336° | | | | |
| 78 | 33.8 | 330° | | | | |
| 78 | 28.3 | 330°30' | | | | |

| | | | | | | |
|-------|------|--------|----|------|---------|----|
| 4.9 | | | | | | |
| 64.16 | | A+D 4 | | | | 22 |
| 52 | 11.9 | 165 | 54 | 16.6 | 235-30 | |
| 52 | 15.3 | 189 | 54 | 13.1 | 231-30 | |
| 52 | 14.5 | 195 | 54 | 12.0 | 209 | |
| 52 | 16.0 | 197 | 54 | 10.9 | 192 | |
| 52 | 14.6 | 214-30 | 56 | 6.3 | 160 | |
| 52 | 21.6 | 236-30 | 56 | 9.2 | 202-30 | |
| 52 | 25 | 254-30 | 56 | 10.3 | 238 | |
| 52 | 28 | 260-30 | 56 | 12.3 | 267 | |
| 52 | 30.8 | 268-30 | 56 | 20.0 | 268 | |
| 52 | 39.4 | 269 | 56 | 27.7 | 277 | |
| 52 | 50.4 | 276 | 56 | 34.3 | 284-30 | |
| 54 | 49.8 | 282-30 | 56 | 35.5 | 281-30 | |
| 54 | 40.3 | 277-30 | 56 | 42.7 | 285-30 | |
| 54 | 28.3 | 275 | 56 | 50.4 | 282-303 | |
| 54 | 22 | 267 | 58 | 49.1 | 293 | |
| 54 | 19.5 | 255 | 58 | 40.7 | 290 | |
| 54 | 16.4 | 249 | 58 | 28.5 | 291-30 | |

8/24/17

8/25/17

| | | | | | |
|------|------|--------|-----|-----|-------|
| 64.6 | | | ADU | | 59.26 |
| 58 | 18.6 | 290-30 | 62 | 9.9 | 13.0 |
| 58 | 15.2 | 293- | 62 | 8.4 | 43-30 |
| 58 | 6.2 | 269 | 62 | | |
| 58 | 4.7 | 224 | 62 | | |
| 58 | 5.2 | 172 | | | |
| 58 | 6.0 | 149 | | | |
| 60 | 3.3 | 87° | | | |
| 60 | 6.4 | 331-30 | | | |
| 60 | 13.0 | 308 | | | |
| 60 | 22.1 | 311 | | | |
| 60 | 35.8 | 302-30 | | | |
| 60 | 44.4 | 304 | | | |
| 62 | 44.5 | 309 | | | |
| 62 | 26.3 | 319 | | | |
| 62 | 18.5 | 325 | | | |
| 62 | 15.3 | 336 | | | |
| 62 | 11.6 | 345-30 | | | |

| | | | | | |
|----------|------|---------|-----|------|---------|
| 35.76.41 | | | AD2 | | 23 |
| 64 | 40.6 | 163° | 66 | 42.8 | 151°30' |
| 64 | 40.4 | 168° | 66 | 52.5 | 151° |
| 64 | 33.0 | 177° | 68 | 30.1 | 153° |
| 64 | 29.0 | 215° | 68 | 26.1 | 162° |
| 64 | 32.0 | 223° | 68 | 24.4 | 177°30' |
| 64 | 32.5 | 240° | 68 | 22.7 | 182° |
| 64 | 44.7 | 261° | 68 | 20.7 | 199° |
| 66 | 42.9 | 270°30' | 68 | 21.4 | 217° |
| 66 | 30.8 | 258° | 68 | 19.5 | 221° |
| 66 | 26.5 | 233° | 68 | 21.0 | 240° |
| 66 | 23.4 | 233°30' | 68 | 20.2 | 265° |
| 66 | 24.7 | 221°30' | 68 | 22.2 | 265°30' |
| 66 | 24.2 | 205°30' | 68 | 22.6 | 253° |
| 66 | 25.4 | 192° | 68 | 25.7 | 261°30' |
| 66 | 30.7 | 174° | 68 | 32.0 | 273° |
| 66 | 37.5 | 152°30' | 68 | 46.6 | 279°30' |
| 66 | 40.5 | 149° | | | |

7641

A D ~

7289

7641

D B

2J
7289

70 46.2 285° 72 74 250°30'

70 34.9 283° 72 161 279°

70 23.5 273° 72 233 295°

70 22.8 282° 72 283 302

70 19.5 264°30' 72 277 294°

70 13.3 239° 72 38.5 300°30'

70 9.0 242° 72 49.7 299°30'

70 14.6 149°30' 72 46.2 304°30'

70 28.4 149° 74 44.5 302°

72 26.1 129°30' 74 40.7 307°

72 19.4 124° 74 33.5 307°

72 13.3 129°30' 74 34.2 312°

72 15.0 131°30' 74 30' 310°

72 15.5 138° 74 19.5 317°

72 12.8 145° 74 14.0 328°30'

72 12.9 138° 74 13.0 326°

72 9.3 147° 74 7.3 334°30'

4.1 = 4.75
83.72

A D I

76 40.8 147° 78 34.5 290°

76 33.7 144°30' 78 31.7 292°

76 29.3 140°30' 78 30.6 296°30'

76 13.5 163° 78 26.8 290°

76 15.2 193° 78 14.0 280°30'

76 13.4 224°30' 78 2.7 249°

76 21.8 264° 78 8.8 121°

76 24.1 271°30' 78 14.0 126°30'

76 27.8 284°30' 78 11.4 122°

76 27.7 295°30' 78 11.7 111°30'

76 33.2 281° 78 16.9 110°

78 18.8 126°30'

78 25.2 135°

H.I. = 4.75

| | | | | | |
|-------------------|------|---------|----|------|---------|
| 83.7 ^v | | At D1. | | 7897 | |
| 78 | 33.1 | 136°30' | 80 | 35.4 | 306° |
| 78 | 36.9 | 141°30' | 80 | 36.5 | 301° |
| 78 | 40.3 | 141° | 82 | 40.0 | 307°30' |
| 80 | 50.4 | 120°30' | 82 | 40.2 | 312° |
| 80 | 43.8 | 118° | 82 | 33.5 | 310° |
| 80 | 36.0 | 123°30' | 82 | 24.7 | 309°30' |
| 80 | 34.3 | 130° | 82 | | |
| 80 | 29.6 | 127°30' | | | |
| 80 | 25.6 | 111° | | | |
| 80 | 21.3 | 109°30' | | | |
| 80 | 14.4 | 103°30' | | | |
| 80 | 10.2 | 118° | | | |
| 80 | 7.5 | 97° | | | |
| 80 | 5.0 | 336° | | | |
| 80 | 15.6 | 297°30' | | | |
| 80 | 27.6 | 303°30' | | | |
| 80 | 31.9 | 303° | | | |

| | | | |
|----------------|---------|---------|-------------------------|
| 93.40 | At D.00 | | 8865 ²⁵ |
| 8 ^v | 43.4 | 140° | 84 22.6 141°30' |
| 8 ^v | 37.4 | 140°30' | 84 23.3 144°30' |
| 8 ^v | 34.2 | 147° | 84 27.0 146° |
| 8 ^v | 32.4 | 145°30' | 84 27.1 139°30' |
| 8 ^v | 31.9 | 149° | 84 30.1 141° |
| 8 ^v | 31.0 | 147° | 84 32.0 145° |
| 8 ^v | 28.4 | 154°30' | 84 32.8 143° |
| 8 ^v | 27.6 | 160° | 84 31.0 135°30' |
| 8 ^v | 25.7 | 155°30' | 84 38.4 134° |
| 8 ^v | 24.6 | 162° | 84 39 136° |
| 8 ^v | 20.9 | 165° | 84 40.3 136° |
| 8 ^v | 15.8 | 186° | 84 41.7 133° |
| 8 ^v | 27.7 | 280° | 84 42.2 136°30' |
| 8 ^v | 16.6 | 255° | 84 45.0 137° |
| 8 ^v | 10.8 | 226° | 86 44.7 130° |
| 8 ^v | 9.2 | 188° | 86 42.9 129° |
| 8 ^v | 16.5 | 150°30' | 86 34.9 131°30' |

| 9340 | At Doo | | 8865 |
|---------------------|--------|---------|-----------------|
| 86 | 33.7 | 129°30' | 86 33.5 296° |
| 86 | 22.7 | 133°30' | 88 29.9 303° |
| 86 ↑ | 23.5 | 140°30' | 88 14.5 298°30' |
| 86 | 23.2 | 143°30' | 88 6.7 295° |
| 86 ↓ | 25.0 | 145° | 88 3.7 148° |
| 86 ↓ | 24.7 | 142° | 88 17.2 124° |
| 86.4 Top | | | 88 30.2 124° |
| 86.4 Top | 23.5 | 143° | 88 45.7 125° |
| 86 | 16.6 | 141° | 90 50.5 101° |
| 86 | 17.6 | 144°30' | 90 43.7 100°30' |
| 86 | 13.3 | 140°30' | 90 36.3 96°30' |
| 86 | 5.3 | 252° | 90 34.7 92° |
| 86 | 8.4 | 236°30' | 90 31.9 90° |
| 86 | 8.5 | 248°0' | 90 28.8 92° |
| 86 | 7.1 | 257° | 90 25.8 88° |
| 86 | 13.0 | 284° | 90 24.9 82° |
| 86 | 23.0 | 294° | 90 18.3 64° |

| 9340 | At Doo | | 8865 ²⁶ |
|------|--------|--|--------------------|
|------|--------|--|--------------------|

| | | |
|----|------|---------|
| 90 | 13.0 | 82°30' |
| 90 | 6.8 | 93° |
| 90 | 17.5 | 317°30' |
| 92 | 26.3 | 355° |
| 92 | 18.5 | 26°30' |
| 92 | 21.8 | 60° |
| 92 | 23.6 | 75° |
| 92 | 26.0 | 78° |
| 92 | 28.9 | 86° |
| 92 | 36.0 | 90°30' |
| 92 | 36.0 | 92° |
| 92 | 37.5 | 92°30' |
| 92 | 37.2 | 95° |
| 92 | 47.3 | 95° |
| 92 | 50.3 | 96°30' |

H.I. = 480

87.66

ATAA

8286

8766

7/25/17

ATAA

8286

| | | | | | |
|----|------|--------|----|------|--------|
| 80 | 50 | 327-30 | 80 | 43 | 169 |
| 80 | 125 | 325 | 80 | 39.1 | 168-30 |
| 80 | 370 | 324-30 | 80 | 28.8 | 168 |
| 80 | 34 | 320 | 80 | 26.1 | 158 |
| 80 | 27 | 317 | 80 | 24.0 | 158 |
| 80 | 23 | 307-30 | 80 | 22.5 | 160 |
| 80 | 18.4 | 388 | 80 | 19.8 | 162 |
| 80 | 17.0 | 259 | 80 | 17.3 | 160 |
| 80 | 15.5 | 240 | 80 | 14.5 | 120-30 |
| 80 | 13.4 | 217 | 80 | 28.6 | 86 |
| 80 | 13.5 | 206 | 80 | 34.1 | 74 |
| 80 | 12.9 | 201 | 80 | 37.8 | 68 |
| 80 | 14.8 | 189 | 80 | 43.1 | 73-30 |
| 80 | 4.16 | 183-30 | 80 | 41 | 78 |
| 80 | 4.30 | 181-15 | 80 | 44.3 | 79 |
| 80 | 4.28 | 179-30 | 80 | 45.1 | 80-30 |
| 80 | 4.09 | 174 | 80 | 47.1 | 80 |
| | | | 80 | 48.0 | 77 |

| | | | | | |
|----|------|--------|------------|------|--------|
| 80 | 50.8 | 77-30 | 78 | 35.5 | 161 |
| 78 | 47.6 | 84-30 | 78 | 38.7 | 165 |
| 78 | 45. | 84 | 78 | 44.0 | 166 |
| 78 | 43.8 | 81 | 78 | 45.0 | 170-30 |
| 78 | 41.1 | 80 | 78 | 42.8 | 174 |
| 78 | 40.8 | 77 | Correct 78 | 43.1 | 181-30 |
| 78 | 36.2 | 76-30 | Correct 76 | 45.5 | 181-30 |
| 78 | 33.3 | 81-30 | 76 | 43.1 | 176 |
| 78 | 32.6 | 89 | 76 | 45.7 | 172 |
| 78 | 19.9 | 139 | 76 | 46.2 | 169 |
| 78 | 21.7 | 136-30 | 76 | 45.7 | 167 |
| 78 | 24.1 | 139-30 | 76 | 45.2 | 168 |
| 78 | 22.3 | 141-30 | 76 | 44.6 | 160-30 |
| 78 | 24.9 | 150-30 | 76 | 36.3 | 156-30 |
| 78 | 24.7 | 155 | 76 | 29.9 | 152 |
| 78 | 30.4 | 157 | 76 | 26.7 | 150 |
| 78 | 31. | 162-30 | 76 | 24.9 | 140 |

8766

A+ A4

8286

8766

A+ A4

28
8286

76 248 136 82 240 162-30

82 496 333

76 215 136 82 289 172

84 502 335-30

76 29.3 100 82 34.7 171

84 40.7 331-30

76 30.8 94-30 82 40.1 176

84 440 346

76 45.6 99 82 41.1 182-30

84 44.3 311-30

82 45.2 58-30 82 20.3 186

84 50.4 17

82 41.5 59 82 17.5 175

37.5 00. 3.7 840

82 41.0 56 82 12.5 188-30

16.0 00 4.5 832

82 38.4 56-30 82 12.3 202

13.5 180 5.0 82.7

82 33.5 67-30 82 13.2 206-30

36.5 180 5.05 82.6

82 29.2 77 82 13.2 214-30

20. 168 5.1 82.6

82 23.9 84.0 82 13.3 233-30

11.9 238 4.7 83.0

82 13.3 109 82 14.4 252

17 321 4.7 83.0

82 11.9 136 82 13.0 258

29.9 334 4.2 83.5

82 15.4 159 82 17.2 300.

45 338-30 3.4 84.3

82 18.8 159-30 82 24.7 317

16 45 4.7 83.0

82 20.5 164-30 82 26.8 330

25 74-30 4.8 82.9

30 30 4.4 83.3

| | | | | |
|-------|-----|------|-----|-------|
| 87.66 | | A+A4 | | 82.86 |
| 37 | 20 | | 39 | 83.8 |
| 42 | 35 | | 43 | 83.3 |
| 35 | 345 | | 4.1 | 83.6 |

| | | | | |
|-----------|------|--------|----|-------------|
| H.I. = 47 | | A+A1 | | 88.14 |
| 92.84 | | | | |
| 82 | 484 | 259 | 86 | 29.1 230 |
| 82 | 47.7 | 250 | 86 | 21.4 234 |
| 82 | 43.5 | 246 | 86 | 16.4 221-30 |
| 82 | 37.2 | 243 | 86 | 10.9 201 |
| 82 | 36.0 | 232 | 86 | 9.1 236 |
| 82 | 38.4 | 227 | 86 | 7.8 236 |
| 82 | 37.1 | 219 | 86 | 7.9 208 |
| 84 | 32.4 | 226 | 86 | 10.9 150-30 |
| 84 | 33.5 | 240 | 86 | 17.8 121 |
| 84 | 40.3 | 256 | 86 | 22.9 112 |
| 80 | 43 | 262 | 86 | 29.6 108 |
| 86 | 35.3 | 254-30 | 86 | 36.8 112 |
| 86 | 52.6 | 246 | 86 | 43.5 123 |

| | | | | | |
|-------|------|--------|-----|------|--------|
| 92.84 | | A+A1 | | 29 | 88.14 |
| 86 | 45.2 | 126 | 847 | 27.5 | 206 |
| 86 | 44.3 | 128 | 88 | 34.3 | 265 |
| 86 | 45.7 | 130-30 | 88 | 35.3 | 276 |
| 86 | 48.4 | 128 | 88 | 22.2 | 286-20 |
| 86 | 48.0 | 125-30 | 88 | 25.1 | 292 |
| 86 | 51 | 125-30 | 88 | 20.0 | 291-30 |
| 84 | 49.2 | 136-30 | 88 | 3.9 | 269 |
| 84 | 41.3 | 134-30 | 88 | 5.4 | 114 |
| 84 | 39.5 | 136 | 88 | 6.6 | 129-30 |
| 84 | 46.0 | 144 | 88 | 8.6 | 114 |
| 84 | 47.3 | 142 | 88 | 15.5 | 113 |
| 84 | 30.2 | 132-30 | 88 | 20.8 | 112 |
| 84 | 34.8 | 146-30 | 88 | 26.0 | 103-30 |
| 84 | 24.9 | 154 | 88 | 30.6 | 100-30 |
| 83.9 | 39.4 | 163 | 88 | 33 | 104 |
| 85.5 | 15 | 180 | 88 | 34.3 | 102 |
| 84.5 | 22 | 135 | 88 | 37.6 | 105 |

HI
92.84

At A1

88.4

92.84

At A1

92

88.4³⁰

| | | | | | |
|----|------|----------------|----|------|--------|
| 88 | 42.9 | 107°00 | 90 | 10.4 | 334- |
| 88 | 45 | 103 | 90 | 11.0 | 316- |
| 88 | 45 | 117.30 | 90 | 13.5 | 312- |
| 88 | 49.5 | 119 | 90 | 14.6 | 318- |
| 90 | 49.5 | 101.30 | 90 | 18.8 | 307- |
| 90 | 43.0 | 99.30 | 90 | 19.5 | 300°30 |
| 90 | 38.8 | 93- | 90 | 21.6 | 304- |
| 90 | 37.0 | 94- | 90 | 29.9 | 302- |
| 90 | 24.5 | 83- | 92 | 31.3 | 307- |
| 90 | 22.9 | 86- | 92 | 22.4 | 311- |
| 90 | 19.6 | 83- | 92 | 19.4 | 309- |
| 90 | 19.4 | 78- | 92 | 14.7 | 324- |
| 90 | 17.0 | 78 | 92 | 12.5 | 319- |
| 90 | 10.1 | 55- | 92 | 11.1 | 321°30 |
| 90 | 9.8 | 30- | 92 | 12.6 | 331- |
| 90 | 6.0 | 358°30 | 92 | 10.3 | 349- |
| 90 | 8.0 | 340- | 92 | 10.8 | 355- |

HI
401.99

At A1

| | | | | | |
|----|------|--------|----|------|--------|
| 92 | 9.7 | 15°- | 92 | 34.7 | 88- |
| 92 | 10.5 | 28- | 92 | 37.3 | 92- |
| 92 | 20.4 | 74- | 92 | 38.8 | 87- |
| 92 | 25.4 | 82°30 | 92 | 42.3 | 90° |
| 92 | 32.7 | 87°30 | 92 | 45.8 | 89° |
| | | | 92 | 49.8 | 99.30 |
| 94 | 51.0 | 283°30 | 94 | 16.2 | 244.30 |
| 94 | 49.6 | 280- | 94 | 12.2 | 209 |
| 94 | 46.9 | 280- | 94 | 13.2 | 205°30 |
| 94 | 46.5 | 281°30 | 94 | 12.6 | 201 |
| 94 | 40.2 | 276- | 94 | 11.0 | 203 |
| 94 | 37.9 | 299- | 94 | 14.6 | 185 |
| 94 | 31.3 | 277- | 94 | 12.4 | 142 |
| 94 | 29.9 | 277- | 94 | 22.0 | 128°30 |
| 94 | 27.8 | 272- | 94 | 25.0 | 130°30 |
| 94 | 25.0 | 270- | 98 | 28.0 | 127.0 |

501.99

At A00

9709

| | | | | | |
|----|------|--------|----|----------------------|--------|
| 94 | 31.7 | 130° | 96 | 7.2 | 241° |
| 94 | 36.4 | 125° | 96 | 8.2 | 249° |
| 94 | 37.9 | 120 | 96 | 7.8 | 272 |
| 94 | 43.4 | 119°30 | 96 | 9.1 | 271 |
| 94 | 44.4 | 117° | 96 | 9.6 | 266 |
| 94 | 47.0 | 117° | 96 | 16.6 | 272 |
| 94 | 49.3 | 119°30 | 96 | ^{23.6} 13.6 | 280 |
| 96 | 48.8 | 114° | 96 | 27.9 | 278 |
| 96 | 39.4 | 113°30 | 96 | 27.4 | 282°30 |
| 96 | 28.8 | 117 | 96 | 29.7 | 284°30 |
| 96 | 26.0 | 122 | 96 | 34.0 | 283° |
| 96 | 23.3 | 119 | 96 | 35.0 | 280° |
| 96 | 17.6 | 122 | 96 | 36.3 | 283 |
| 96 | 13.6 | 119 | 96 | 38.2 | 282° |
| 96 | 10.2 | 130-30 | 96 | 43.1 | 286° |
| 96 | 6.7 | 129 | 96 | 48.7 | 288 |
| 96 | 5.4 | 249°30 | | | |

501.99

At A00

31
9709

| | | | | | |
|----|------|-------------------------------|-----|------|--------|
| 96 | 47.8 | 281 | 98 | 14.5 | 104° |
| 96 | 43.4 | 283 | 98 | 15.9 | 110 |
| 96 | 41.8 | 281°30 | 98 | 25.2 | 109.30 |
| 96 | 44.0 | 280°30 | 98 | 27.9 | 109 |
| 98 | 49.2 | 294 | 98 | 32.3 | 105 |
| 98 | 43.5 | 292°30 | 98 | 29.0 | 110 |
| 98 | 41.5 | 290 | 98 | 29.5 | 114.30 |
| 98 | 36.4 | 290° | 98 | 28.8 | 117.0 |
| 98 | 29.7 | 291 | 98 | 27.3 | 117 |
| 98 | 27.2 | 286 | 98 | 26.9 | 115 |
| 98 | 25.7 | 290 | 98 | 25.0 | 115 |
| 98 | 16.7 | 293 | 98 | 25.9 | 112.30 |
| 98 | 9.5 | ³⁰³ 304 | 98 | 27.5 | 113 |
| 98 | 6.4 | 290 | 406 | Top | 115 |
| 98 | 10.0 | 277° | 98 | 37.9 | 107 |
| 98 | 6.5 | 256°30 | 98 | 50. | 107 |
| 98 | 4.0 | 91°30 | 98 | | |

501.99

A+ A00

9709

H1=465

88.07

A+ N3

83.42

| | | | | | | | | | | | |
|-----|-------------------------|---------------------------|----|------|--------|----|------|--------|----|------|--------|
| 500 | 50.2 | 100 | 02 | 32.2 | 30230 | 76 | 32.5 | 188.0 | 80 | 17.2 | 170 |
| 00 | 33.9 | 101.30 | 02 | 35.3 | 304.30 | 76 | 36.6 | 162 | 80 | 14.4 | 167 |
| 00 | 31.9 | 104.30 | 02 | 30.6 | 307.30 | 76 | 40.1 | 160.30 | 80 | 18.0 | 157-30 |
| 00 | 32.3 33.8 | 101 | 02 | 14.0 | 350 | 76 | 44.6 | 151.30 | 80 | 20.1 | 143 |
| 00 | 25.4 | 99.30 | 02 | 11.7 | 2.30 | 76 | 51.0 | 145 | 80 | 27 | 134 |
| 00 | 21.3 | 96.00 | 02 | 11.3 | 17° | 78 | 47.3 | 135 | 80 | 35.8 | 130-30 |
| 00 | 16.7 | 96.00 | 02 | 8.5 | 67° | 78 | 44.7 | 138 | 80 | 38.4 | 134 |
| 00 | 15.0 | 99.00 | 02 | 9.6 | 74 | 78 | 41.4 | 136 | 80 | 42.6 | 131.30 |
| 00 | 14.0 | 90° | 02 | 10.4 | 68.30 | 78 | 35.8 | 138 | 80 | 44.9 | 126-30 |
| 00 | 10.4 | 88.30 | 02 | 17.0 | 82 | 78 | 29.8 | 140 | 82 | 44.3 | 122 |
| 00 | 7.5 | 74.00 | 02 | 39.6 | 96.30 | 78 | 27.3 | 157-30 | 82 | 42.7 | 125-30 |
| 00 | 6.6 | 51° | 02 | 51 | 95° | 78 | 21.9 | 162 | 82 | 37.8 | 128 |
| 00 | 29.1 | 302 | 02 | | | 78 | 22.5 | 169 | 82 | 35.6 | 125-30 |
| 00 | 29.9 | 296.30 4630 | | | | 78 | 18.3 | 180 | 82 | 27.1 | 127 |
| 00 | 34.5 | 300 | | | | 80 | 14.1 | 182 | 82 | 26.4 | 123 |
| | | | | | | 80 | 12.9 | 180-30 | 82 | 17.2 | 135 |
| | | | | | | 80 | 17.8 | 173 | 82 | 12.2 | 149 |

4.9
33
932.5

8807

A/N3

8342

98.15 02

| | | | | | |
|----|------|--------|----|------|--------|
| 82 | 7.3 | 169 | 86 | 22.2 | 338.30 |
| 82 | 9.7 | 362 | 88 | 28.4 | 343. |
| 84 | 18.7 | 296.36 | 88 | 26.6 | 346 |
| 84 | 11.1 | 295 | 88 | 28.4 | 353 |
| 84 | 8.5 | 315-36 | 88 | 22.2 | 354 |
| 84 | 11.5 | 116. | 88 | 17.6 | 8.30 |
| 84 | 23.8 | 116 | 88 | 11.3 | 22.30 |
| 84 | 45.8 | 116.30 | 88 | 12.6 | 28- |
| 86 | 51. | 108 | 88 | 12.1 | 49- |
| 86 | 46. | 105 | 88 | 45.7 | 97- |
| 86 | 9.2 | 56 | 88 | 51.7 | 101- |
| 86 | 9.7 | 16 | | | |
| 86 | 13.0 | 339 | | | |
| 86 | 14.9 | 324 | | | |
| 86 | 17.5 | 324.30 | | | |
| 86 | 19.0 | 333, | | | |
| 86 | 20.3 | 343. | | | |

| | | | | | |
|----|------|--------|----|-------------------------|-----------------------|
| 90 | 30.6 | 300° | 94 | 41.9 | 309 |
| 90 | 26.4 | 294° | 94 | 22.8 | 314.30 |
| 90 | 24.7 | 282 | 94 | 15.5 | 309.30 |
| 90 | 20.9 | 266 | 94 | 4.5 | 330 |
| 90 | 18.2 | 250 | 94 | 15.7 | 115 116 |
| 90 | 13.8 | 231.30 | 94 | 22.7 | 127.30 |
| 90 | 16.5 | 191- | 94 | 27.3 | 126 |
| 90 | 35.5 | 139- | 94 | 30.8 | 129 |
| 90 | 50.2 | 132 | 94 | 33.8 | 125 |
| 92 | 51.3 | 126 | 94 | 41.4 | 118° |
| 92 | 44.2 | 124 | 94 | 47.8 | 118 |
| 92 | 33.3 | 133 | 94 | 51. | 120 |
| 92 | 19.8 | 138 | 96 | 48.3 | 114.30 |
| 92 | 7.2 | 240 | 96 | 37.3 | 112 |
| 92 | 13.7 | 298.30 | 96 | 28.9 | 119 |
| 92 | 30.9 | 303 | 96 | 24.0 | 115.30 |
| 92 | | | 96 | 27.2 20.1 | 100 |

Con. from Bk 3 - Pg 48.

Levels Cond Intersaction

424.95

M. 8. 4.86 20.09 ✓

N8-9'N 8.71 16.24 ✓

T.P. 6.35 20.78 10.52 14.43 ✓

M8-9.3'N 9.36 11.42 ✓

T.P. 8.42 22.85 14.43 ✓

O8-7.5'N 2.82 20.03 ✓

T.P. 0.49 11.07 12.27 10.58 ✓

P9-5'S 6.70 04.37 ✓

P9-8'N 12.83 398.24 ✓

O9 6.15 04.92 ✓

N9 10.01 01.06 ✓

M9 11.87 399.20 ✓

H8-13'N 8.69 02.38 ✓

T.P. 22/ 400.84 12.42 398.63 ✓

O¹⁰-13'N 1.83 96.01 ✓

O¹⁰ Check ✓ 11.25 389.59 ✓

Aug 26-1917.

Bub. Level.

Dilley-Notes.

Fisher-Rod.

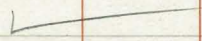
35

8/26/17
Copied

Levels. Cord- Intersections.

No. 84

| | | | | | |
|------------------|------|--------|--------|--------|---|
| T.P. | 404 | 402.95 | 193 | 398.91 | |
| Pg. | | 78 | 401.17 | | ✓ |
| Pro-4.955-Check. | 7.47 | 395.48 | | | |



Copied 8/26/17

311=4.9

2 Topog

At Q 3

9287

9777

At Q 2

8/27/17

Plotted - 8-27-17 9285

37

| | | | | | | | | | | | |
|-------|------|--------|----|------|--------|----|------|--------|----|------|----------|
| 86 | 31.5 | 232.30 | 86 | 24.5 | 96.30 | 88 | 13.0 | 100-30 | 92 | 43.0 | 91-✓ |
| 86 | 29.2 | 238 | 86 | 25.1 | 98-✓ | 88 | 7.8 | 146-30 | 92 | 50.0 | 91-✓ |
| 86 | 25.5 | 243.30 | 86 | 26.8 | 98-30 | 88 | 11.5 | 193 | 92 | 39.0 | 86-✓ |
| 86 | 21.5 | 238 | 86 | 28.0 | 103-30 | 88 | 18.5 | 225 | 92 | 31.6 | 83-✓ |
| 86 | 20.7 | 222 | 86 | 28 | 106.30 | 88 | 20.3 | 239-30 | 92 | 18.5 | 84 ✓ |
| 86 | 18.2 | 214.30 | 86 | 35.5 | 97-30 | 88 | 26.3 | 277-30 | 92 | 10.2 | 81-✓ |
| 86 | 17.0 | 207-30 | 86 | 39.3 | 98-✓ | 90 | 15.4 | 236 | 92 | 3.8 | 99 ✓ |
| 86 | 14.6 | 203 | 78 | 39.3 | 100 | 90 | 13.0 | 220 | 92 | 8.1 | 230 ✓ |
| 86 | 13.1 | 187 | 86 | 47.3 | 101 | 90 | 9.3 | 206-30 | 92 | 9.9 | 238-30 ✓ |
| 86 | 10.4 | 172 | 86 | 91.0 | 113 | 90 | 4.5 | 177 | 94 | 5.6 | 269-30 ✓ |
| 86 | 11.0 | 151 | 88 | 35.5 | 93-✓ | 90 | 5.8 | 139-30 | 94 | 3.5 | 257-30 ✓ |
| 86 | 10.9 | 143 | 88 | 42.0 | 97-✓ | 90 | 11.6 | 96 | 94 | 4.5 | 41-30 ✓ |
| 86 | 11.8 | 134 | 88 | 42.0 | 97-✓ | 90 | 20.0 | 92 | 94 | 9.0 | 70-30 ✓ |
| 86 | 11.8 | 134 | 88 | 50.0 | 99-✓ | 90 | 32.2 | 88 | 94 | 13.6 | 69-30 ✓ |
| 86 | 13.8 | 112 | 88 | 26.7 | 93 | 90 | 37.8 | 88-30 | 94 | 20.7 | 80-✓ |
| 84-82 | 18.0 | 106.30 | 88 | 23.1 | 94.30 | 90 | 43.5 | 94-30 | 94 | 23.5 | 75-30 ✓ |
| 86 | 23.2 | 100-30 | 88 | 20.2 | 99 | 90 | 50.0 | 98-✓ | 94 | 37.1 | 79.30 ✓ |

72-74-76

84 80

62

86

86

82-84

vertical to bottom.

72

84-82

H.I. = 4.9

4.55

38

AT Q 2

| | | | | | | | | | | | |
|---------------------|-----------------------|---------------|----|--------|----------|------------|------|----------|----|------|----------|
| 97.77 | | AT Q 3 | | 92.87 | 507.98 | | | | | | 503.43 |
| 94 | 95.6 | 89.0 ✓ | 00 | 39.0 | 111.30 ✓ | 02 | 25.6 | 109.30 ✓ | 04 | 11.1 | 101.30 ✓ |
| 94 | 50.0 | 89.0 ✓ | 00 | 27.9 | 115 ✓ | 02 | 29.5 | 112 ✓ | 04 | 11.9 | 96 ✓ |
| 96 | 46.7 | 86 ✓ | 00 | 25.1 | 116 ✓ | 02 | 33.9 | 108.30 ✓ | 04 | 6.0 | 69.30 ✓ |
| 96 | 38.8 | 77 ✓ | 00 | 21.8 | 128 ✓ | 02 | 36.5 | 106 ✓ | 04 | 2.2 | 90 ✓ |
| 96 | 22.8 | 70.30 ✓ | 00 | 11.5 | 153 ✓ | 02 | 37.1 | 104 ✓ | 04 | 2.5 | 124 ✓ |
| 96 | 19.9 | 71.30 ✓ | 00 | 6.8 | 164.30 ✓ | 02 | 42.2 | 103 ✓ | 04 | 1.5 | 148.30 |
| 96 | 11.6 | 57 ✓ | 00 | 7.2 | 183 ✓ | 02 | 54.7 | 105 ✓ | 04 | 11.5 | 318.30 |
| 96 | 9.0 | 359 ✓ | 00 | 9.7 | 214.30 ✓ | 04 | 53.0 | 102 ✓ | 06 | 50.5 | 316 |
| 96 - | 9.8 | 329.30 ✓ | | | | 04 | 42.5 | 101 ✓ | 06 | 42.2 | 312 |
| H.I. 4.55 507.98 | | AT Q 2 | | 503.43 | | 04 | 38.0 | 101.30 ✓ | 06 | 38.7 | 314.30 |
| 98 | 11.0 | 182.30 290 | 02 | 6.0 | 301.30 ✓ | 04 | 36.5 | 105.30 ✓ | 06 | 30.8 | 325 ✓ |
| 98 | 24.0 | 129.30 ✓ | 02 | 1.8 | 264 ✓ | 04 | 22.0 | 107 ✓ | 06 | 10.8 | 344.30 ✓ |
| 98 | 27.6 | 120.30 ✓ | 02 | 3.5 | 147.30 ✓ | 04 | 17.7 | 95 ✓ | 06 | 9.5 | 76 ✓ |
| 98 | 40.5 | 110 ✓ | 02 | 11.7 | 114.30 | 04 | 12.3 | 88 ✓ | 06 | 10.0 | 69 ✓ |
| 98 | 49.5 | 111.30 ✓ | 04 | 21.8 | 113.30 ✓ | 04 | 11.4 | 91.30 ✓ | 06 | 13.0 | 66 ✓ |
| 500 | 49.5 | 108 ✓ | 02 | 22.7 | 117 ✓ | Ring 04 | 12.4 | 93.30 ✓ | 06 | 14.7 | 74 ✓ |
| 00 | 38.0 | 107 ✓ | 02 | 23.2 | 113.30 | 04 | 12.0 | 101.30 ✓ | 06 | 15.0 | 80.30 |
| (note) | 0.0 cont. to off page | | | | | | | | | | |

455
507.98

A Q 2

#15.0

39.

| | | | | | | | | | | | |
|-----|------|-----------------|-----|------|----------|--------|----------|----------|-----|--------|----------|
| 0.6 | 17.4 | 82-30 ✓ | | | 503.73 | 508.05 | AT N 0-0 | | | 503.05 | |
| 0.6 | 21.0 | 91-30 ✓ | 0.8 | 19.8 | 356 ✓ | 0.8 | 36.0 | 93-30 ✓ | 0.6 | 45.3 | 299-30 ✓ |
| 0.6 | 25.8 | 97- ✓ | 0.8 | 17.5 | 345-30 ✓ | 0.8 | 18.0 | 74-30 | 0.6 | 30.3 | 303-30 ✓ |
| 0.6 | 31.7 | 703-30 ✓ | 0.8 | 19.7 | 341-30 ✓ | 0.8 | 17.5 | 6-30 ✓ | 0.6 | 11.2 | 32-30 ✓ |
| 0.6 | 37.9 | 101-30 ✓ | 0.8 | 30.7 | 334 ✓ | 0.8 | 29.2 | 327-30 ✓ | 0.6 | 15.5 | 80- ✓ |
| 0.6 | 44.7 | 98-30 ✓ | 0.8 | 31.2 | 332-30 ✓ | 0.8 | 46.0 | 308- ✓ | 0.6 | 20.2 | 92-30 ✓ |
| 0.6 | 45.8 | 100- ✓ | 0.8 | 33.8 | 331 ✓ | 0.8 | 49.5 | 304- ✓ | 0.6 | 24.8 | 96- ✓ |
| 0.6 | 47.0 | 98- ✓ 47-0 ✓ | 0.8 | 33.5 | 328 ✓ | 0.8 | 52.6 | 303-30 ✓ | 0.6 | 26.5 | 106 ✓ |
| 0.6 | 49.2 | 99-30 ✓ | 0.8 | 34.5 | 326 ✓ | 0.8 | 52.9 | 302- ✓ | 0.6 | 38.9 | 104-30 ✓ |
| 0.8 | 49.9 | 99- ✓ | 0.8 | 35.7 | 327 ✓ | 0.8 | 53.5 | 302-30 ✓ | 0.6 | 42.1 | 108-30 ✓ |
| 0.8 | 45.5 | 76- ✓ | 0.8 | 40.5 | 323-30 ✓ | 0.8 | 70.7 | 301- ✓ | 0.4 | 20.6 | 282- ✓ |
| 0.8 | 35.5 | 98-30 ✓ | 0.8 | 46.0 | 317 ✓ | 0.6 | 66.8 | 295- ✓ | 0.4 | 39.5 | 285-30 ✓ |
| 0.8 | 29.7 | 93-30 ✓ | 0.8 | 52.2 | 320 ✓ | 0.6 | 57.7 | 296-30 ✓ | 0.4 | 55.0 | 293- ✓ |
| 0.8 | 29.0 | 84-30 ✓ | | | | 0.6 | 54.2 | 296-30 ✓ | 0.4 | 63.8 | 288- ✓ |
| 0.8 | 17.5 | 66- ✓ | | | | 0.6 | 52.7 | 297-30 ✓ | | | |
| 0.8 | 15.0 | 61- ✓ | | | | 0.6 | 51.8 | 296- ✓ | | | |
| 0.8 | 16.0 | 59- ✓ | | | | 0.6 | 49.8 | 297- ✓ | | | |
| 0.8 | 14.5 | 53- ✓ | | | | 0.6 | 46.8 | 297- ✓ | | | |

HI 5.20

484.18

AT 04

78.95

84/8

AT 04

A0
789.5

| | | | | | | | | | | | |
|------------------------|------|--------------------|---------------------|------|---------------------|---------------|------|---------------------|----|------|---------------------|
| 84 | 17.0 | 74 [✓] | ⁷⁸ 80 | 20.9 | 79-30 [✓] | 76 | 19.3 | 91 [✓] | 72 | 32.5 | 296 [✓] |
| 84 | 20.7 | 76 [✓] | 80 | 26.2 | 72-30 [✓] | 76 | 24.5 | 79-30 [✓] | 72 | 26.0 | 227-30 [✓] |
| 84 | 21.5 | 72 [✓] | 80 | 35.0 | 81- [✓] | 76 | 31.4 | 85-30 [✓] | 72 | 26.7 | 205-30 [✓] |
| 84 | 26.8 | 72 [✓] | 80 | 44.0 | 82- [✓] | 76 | 41.4 | 87-30 [✓] | 72 | 28.0 | 182-30 [✓] |
| 84 | 29.5 | 67 [✓] | 80 | 50.0 | 82- [✓] | 74 | 40.0 | 90- [✓] | 72 | 28.6 | 161- |
| 84 | 32.2 | 72 [✓] | ⁷⁸ 80 | 47- | 84 [✓] | 74 | 30.3 | 87-30 [✓] | 72 | 24.0 | 145- |
| 84 | 36.7 | 76-30 [✓] | 78 | 38.5 | 85 [✓] | 74 | 24.5 | 84-30 [✓] | 72 | 17.7 | 134.30 |
| 84 | 43.8 | 77-30 [✓] | 78 | 31.0 | 81-30 [✓] | 74 | 21.5 | 89-30 [✓] | 72 | 31.0 | 92 [✓] |
| 84 | 51.0 | 78 [✓] | 78 | 26.2 | 72-30 [✓] | 74 | 20.6 | 93 [✓] | 72 | 34.5 | 93- [✓] |
| 82 | 51.2 | 80 [✓] | 78 | 20-4 | 79-30 [✓] | 74 | 16.0 | 98 [✓] | 72 | 46- | 90- [✓] |
| 82 | 34.1 | 76-30 [✓] | 78 | 10.3 | 118- [✓] | 74 | 20.5 | 141 [✓] | 72 | 26 | 90 [✓] |
| 82 | 28.7 | 71-30 [✓] | 78 | 11.1 | 132- [✓] | 74 | 23.2 | 157-30 [✓] | 72 | 22.8 | 95 [✓] |
| ⁷⁸⁻⁹⁰ 82 | 26.2 | 72-30 [✓] | 78 | 3.3 | 165- [✓] | 74 | 20.7 | 182-30 [✓] | 72 | 17.7 | 96-30 |
| 82 | 20.3 | 78-30 [✓] | 76 | 15.9 | 213- [✓] | 74 | 21.9 | 202-30 | | | |
| 82 | 13.7 | 85- | 76 | 15.3 | 178-30 [✓] | 74 | 21.5 | 230- | | | |
| 80 | 8.4 | 109 [✓] | 76 | 19.1 | 150- | 74 | 30.8 | 250-30 | | | |
| 80 | 13.0 | 94 [✓] | 76 | 12.8 | 108 [✓] | 74 | 30.6 | 248 [✓] | | | |

HI 5.20

74.35 AT N-5 69.15

| | | | | | |
|----|------|--------|----|------|--------|
| 74 | 135 | 341 | 74 | 319 | 264 |
| 74 | 145 | 328 | 74 | 352 | 256-30 |
| 74 | 16.0 | 340-30 | 74 | 376 | 243 |
| 74 | 17.3 | 331-30 | 74 | 412 | 240 |
| 74 | 17.8 | 346 | 74 | 424 | 239 |
| 74 | 18.5 | 322-30 | 74 | 394 | 237 |
| 74 | 19.8 | 312 | 74 | 379 | 234 |
| 74 | 20.8 | 325-30 | 74 | 310 | 256 |
| 74 | 24.5 | 319-30 | 74 | 287 | 263-30 |
| 74 | 25.6 | 312 | 74 | 29 | 280 |
| 74 | 25.0 | 306 | 74 | 321 | 284-30 |
| 74 | 27.9 | 304 | 74 | 28.3 | 294-30 |
| 74 | 27.1 | 299 | 74 | 25.9 | 296-30 |
| 74 | 27.6 | 297 | 74 | 26.8 | 302 |
| 74 | 31.0 | 298-30 | 74 | 23.1 | 303 |
| 74 | 33.8 | 286 | 74 | 16.9 | 319-30 |
| 74 | 31.5 | 277-30 | 74 | 13.8 | 327 |

7435

AT N5

A1
69.15

| | | | | | |
|----|------|--------|----|------|--------|
| 70 | 354 | 105 | 70 | 292 | 255 |
| 70 | 265 | 107 | 70 | 31.3 | 243 |
| 70 | 272 | 112 | 70 | 33.9 | 238 |
| 70 | 13.1 | 100 | 70 | 33.9 | 229-30 |
| 70 | 85 | 86 | 70 | 352 | 230-30 |
| 70 | 70 | 29-30 | 68 | 350 | 222 |
| 70 | 11.0 | 297 | 68 | 31.8 | 223-30 |
| 70 | 21.3 | 292 | 68 | 31.8 | 227 |
| 70 | 27.8 | 283 | 68 | 33.6 | 228 |
| 70 | 27.3 | 278-30 | 68 | 31.7 | 234 |
| 70 | 25.3 | 277-30 | 68 | 25.0 | 257 |
| 70 | 24.8 | 266 | 68 | 22.3 | 266-30 |
| 70 | 23.8 | 263 | 68 | 20.1 | 277-30 |
| 70 | 26.1 | 258 | 68 | 17.8 | 271-30 |
| 70 | 27.6 | 258 | 68 | 11.5 | 272-30 |
| 70 | 27.8 | 260 | 68 | 3.9 | 186-30 |
| 70 | | | 68 | 13.4 | 123 |

| 7435 | AHN5 | | 6915 |
|------------|--------|---------|--------|
| 68 21 | 123 | 66 21.8 | 252-30 |
| 68 29.2 | 119-30 | 66 25.5 | 234-30 |
| 68 36.9 | 110. | 66 18.9 | 231 |
| 66 38.6 | 120 | 66 26.0 | 230 |
| 66 32.2 | 125-30 | 66 31.7 | 227 |
| 66 19.9 | 142-30 | 66 38.1 | 221 |
| 66 11.1 | 155 | 66 34.4 | 222 |
| 66 12.8 | 205 | 66 37.7 | 220 |
| 66 12.6 | 217 | 64 32.5 | 217-30 |
| 66 12.5 | 241 | 64 30.6 | 219-30 |
| 66 15.1 | 248 | 64 30.2 | 223-30 |
| RC 66 15.7 | 248 | 64 26.0 | 219 |
| " " 16.8 | 246 | 66 25.6 | 221 |
| " " 16.8 | 242 | 64 25.7 | 227 |
| " " 15.5 | 242-30 | 64 22.7 | 228-30 |
| 66 17.3 | 259 | 64 21.9 | 234-30 |
| 66 22.2 | 261 | 64 21.7 | 227-30 |
| | | 64 26.5 | 224 |

| 7435 | AHN5 | | RC | 6915 |
|------------|--------|---------|--------|------|
| 64 19.0 | 235-30 | 62 20.8 | 201-30 | |
| 64 18.4 | 229 | 62 20.4 | 222 | |
| 64 17.6 | 217-30 | 62 19.7 | 229 | |
| 64 15.1 | 217-30 | 62 20.9 | 231.4 | |
| 64 13.9 | 203-30 | 62 21.5 | 228 | |
| 64 21.8 | 146-30 | 62 20.8 | 221 | |
| 64 30.2 | 139 | 62 22.8 | 219 | |
| 64 39.4 | 131 | 62 24.3 | 221-30 | |
| 64 39.4 | 123 | 62 24.2 | 217-30 | |
| 62 44.7 | 137 | 62 29.4 | 214-30 | |
| 62 42.5 | 137-30 | 62 28.9 | 222-30 | |
| 62 42.3 | 139-30 | 62 30.5 | 220 | |
| 62 36.0 | 143-30 | 62 30.7 | 217 | |
| 62 31.2 | 151-30 | 62 37.2 | 210 | |
| 62 24.1 | 173 | 62 40 | 215-30 | |
| 62 20.0 | 200 | | | |
| RC 62 21.2 | 201-30 | | | |
| 62 22.5 | 203 | | | |
| RC 62 22.0 | 197-30 | | | |

5.55
 73.41 MT6 67.82
 72 133 280 68 23.8 269-30
 72 140 291-30 68 25.9 267-30
 72 184 275-30 66 25.9 264
 72 206 276-30 66 23.5 266
 72 24 276-30 66 16.6 259-30
 Con. 72 259 273 66 10.3 263-30
 70 25.8 272 66 9.1 255
 70 19.2 274-30 66 5.5 250-30
 70 144 271-30 66 4.6 228
 70 138 277 64 54 103
 70 8.7 284-30 64 47 153-30
 70 44 284 64 39 186
 68 42 229-30 64 5.2 238
 68 58 254-30 64 8.0 239
 68 11.8 275 64 12.1 257
 68 16.6 267-30 64 18.5 252-30
 68 19.3 268 64 22.7 261
 Con. 64 26.3 261-30

73.41 A+MT6
 Con. 62 26.1 254-30
 62 20.3 245 ✓
 62 16.5 241-30
 62 8.3 233-30
 62 5.6 197-30
 62 8.4 166-30

67.82
 A3

H.I. = 45°

8/31/17

7774

A+05

7291

7774

A+05

AA
7291

70 130 105-30 68 543 63-30

66 24 70

64 27.5 37-30

70 139 96-30 66 54 65

68 19 67

64 29.4 35-30

70 128 82-30 68 498 61-30

66 20 71

64 31.5 34-30

70 150 75-30 66 50 63

66 17.8 81

64 36.2 34

70 145 61-30 66 46 61°

68 16.7 82

64 39.5 35-30

70 246 45-30 68 46.5 60-30

68 139 97-30

64 42.0 35

70 30.0 41-30 66 43.3 59-30

68 14.5 110

64 46.5 33-30

70 32.2 25-30 68 42.3 59

66 16.8 111

64 50.8 30

70 55.1 47.0 66 38. 57

66 14.8 128

64 54.5 37-30

70 35.0 27.0 68 38.2 57

66 17.0 140

62 54.3 37-30

70 37.5 54 66 33.2 54

66 20.5 149

62 51 33

70 40.5 57 68 34.5 52

62 46.2 37

70 42.2 58 68 32.6 48-30

H.I. = 49°
6396

A+06

6398

70 48.7 60 66 31.5 50

64 11.4 63

62 41.8 38

70 53.2 61 66 29 53-30

64 14.1 68

62 31.8 36-30

70 56.3 60-30 68 26.6 50

64 15.0 53-30

62 27.0 40-30

70 60 62-30 68 22.0 65

64 19.5 42

62 21.7 40

62 21.5 44

| 68.96 | At 06 | | | 6398 | 68.96 | At 06 | | | 45 | 6398 | |
|-------|-------|--------|----|------|-------|-------|------|-------|----|------|--------|
| 62 | 70.7 | 46 | 60 | 180 | 57° | 56 | 46.5 | 42.0 | 56 | 25.3 | 49-30 |
| 62 | 18.4 | 57-30 | | | | 58 | 47.6 | 39-30 | 56 | 25.5 | 54 |
| 62 | 16.5 | 61-30 | 60 | 21 | 50-30 | 58 | 45.9 | 41-30 | 56 | 23.5 | 57 |
| 62 | 16.2 | 66° | 60 | 24.4 | 41-30 | 58 | 41.0 | 42-30 | 56 | 21.8 | 58 |
| 62 | 13.7 | 68-30 | 60 | 28.0 | 41.0 | 56 | 41.9 | 43-30 | 58 | 21.0 | 55-30 |
| 62 | 10.2 | 69-30 | 60 | 32.0 | 36 | 56 | 40.3 | 43 | 58 | 20.0 | 61 |
| 62 | 8.0 | 89 | 60 | 35.1 | 40-30 | 58 | 40.3 | 42-30 | 56 | 2.0 | 77 |
| 62 | 8.2 | 100 | 60 | 40 | 42-30 | 56-58 | 39.3 | 42-30 | 58 | 18.5 | 77 |
| 62 | 7.1 | 101-30 | 60 | 40.8 | 42-30 | 58 | 36- | 40 | 58 | 15.4 | 74 |
| 62 | 9.4 | 136-30 | 60 | 42.7 | 39-30 | 58 | 32.4 | 38 | 56 | 15.5 | 75-30 |
| 60 | 13.2 | 145 | 60 | 46.2 | 37 | 56 | 35.9 | 41-30 | 56 | 14.5 | 81-30 |
| 60 | 10.9 | 134-30 | 60 | 48.5 | 38 | 56 | 32.0 | 40-30 | 58 | 12.2 | 76-30 |
| 60 | 11.5 | 129-30 | 60 | 52.0 | 36-30 | 56 | 29.4 | 44. | 58 | 11.5 | 85° |
| 60 | 9.0 | 82-30 | 58 | 52.7 | 38 | 58 | 28.7 | 41.0 | 56 | 12.7 | 85-30 |
| 60 | 12.0 | 78-30 | 56 | 52.7 | 40 | 58 | 24.7 | 41.0 | 58 | 9.0 | 93 |
| 60 | 14.5 | 68-30 | 56 | 47.7 | 40-30 | 58 | 23.5 | 49.0 | 58 | 10.3 | 111 |
| 58-60 | 17.8 | 66-30 | 58 | 48.4 | 40 | 56 | 27.2 | 47-30 | 58 | 11.4 | 117 |
| | | | | | | 58 | | | 58 | 13.5 | 130-30 |

| 6896 | | | | 6398 | | | | 6896 | | | | 6398 ^{A6} | | | | | |
|-------|------|--------|-------|-------|--------|----|------|--------|----|------|--------|--------------------|------|--------|----|------|--------|
| At 06 | | | | At 06 | | | | At 06 | | | | At 06 | | | | | |
| 58 | 16.7 | 138 | 60 | 40.1 | 272-30 | 58 | 43.5 | 251 | 56 | 23.2 | 159-30 | 58 | 43.5 | 252-30 | 56 | 23.0 | 168 |
| 58 | 21 | 140-30 | 60 | 40.8 | 270 | 58 | 42.5 | 251-30 | 56 | 21.3 | 177-30 | 58 | 42.5 | 251-30 | 56 | 21.3 | 177-30 |
| 56 | 13.3 | 119-30 | 60 | 39.6 | 267 | 58 | 40.5 | 249-30 | 56 | 22.0 | 186 | 58 | 40.5 | 249-30 | 56 | 22.0 | 186 |
| 56 | 16.5 | 133-30 | 60 | 40.2 | 265 | 58 | 39.2 | 250-30 | 56 | 22.7 | 198 | 58 | 39.2 | 250-30 | 56 | 22.7 | 198 |
| 56 | 19.5 | 131-30 | 60 | 38.8 | 263-30 | 58 | 39.8 | 254 | 56 | 25.5 | 207 | 58 | 39.8 | 254 | 56 | 25.5 | 207 |
| 56 | 20.8 | 133-30 | 60 | 40.7 | 262-30 | 58 | 38.5 | 260 | 56 | 24.0 | 210 | 58 | 38.5 | 260 | 56 | 24.0 | 210 |
| 56 | 20 | 138 | 60 | 39.8 | 260-30 | 58 | 38.0 | 263-30 | 56 | 25.6 | 211-30 | 58 | 38.0 | 263-30 | 56 | 25.6 | 211-30 |
| 56 | 21.2 | 141 | 60 | 41.2 | 259 | 58 | 35.2 | 271-30 | 56 | 24 | 215 | 58 | 35.2 | 271-30 | 56 | 24 | 215 |
| 60 | 13.0 | 148 | 60 | 42.0 | 257-30 | 58 | 38.5 | 270 | 56 | 22.2 | 216 | 58 | 38.5 | 270 | 56 | 22.2 | 216 |
| 60 | 11.4 | 148 | 60 | 40.9 | 252-30 | 58 | 29.0 | 259-30 | 56 | 20.7 | 232 | 58 | 29.0 | 259-30 | 56 | 20.7 | 232 |
| 60 | 8.2 | 169 | 60 | 43.2 | 252-30 | 58 | 23.3 | 252-30 | 56 | 24.0 | 246 | 58 | 23.3 | 252-30 | 56 | 24.0 | 246 |
| 60 | 10.8 | 220 | 60 | 45.3 | 252 | 58 | 16.5 | 238 | 56 | 26.5 | 250-30 | 58 | 16.5 | 238 | 56 | 26.5 | 250-30 |
| 60 | 22.0 | 260 | 60 | 45.4 | 255 | 58 | 14.3 | 197 | 56 | 28.8 | 250 | 58 | 14.3 | 197 | 56 | 28.8 | 250 |
| 60 | 29.5 | 269-30 | 58+60 | 47.3 | 257 | 58 | 17.1 | 145-30 | 56 | 33.7 | 258-30 | 58 | 17.1 | 145-30 | 56 | 33.7 | 258-30 |
| 60 | 32.1 | 275-30 | 58 | 47.0 | 254-30 | 56 | 22.5 | 145 | 56 | 37.1 | 25.2 | 56 | 22.5 | 145 | 56 | 37.1 | 25.2 |
| 60 | 37.4 | 274-30 | 58 | 45.7 | 253-30 | 56 | 20.3 | 153-30 | 56 | 34.9 | 247-30 | 56 | 20.3 | 153-30 | 56 | 34.9 | 247-30 |
| 60 | 39.2 | 276 | 58 | 45.0 | 251-30 | | | | | | | | | | | | |

6896
 56 39.3 247
 56 40.3 247
 56 42.7 252
 56 43.4 251
 56 46.7 252-30
 TR 60 43.7 253
 TR 57.4 43.7 244
 RC 56 42 240-30
 " " 56 44.3 242
 " " 56 45.2 245
 " " 56 42.7 247
 " " 56 41.5 245
 HOA 248-30

19406

6398

16

6525

194 N C

47
 6105

60 23.8 243 58 35.5 254
 60 27.5 249 58 27.3 251-30
 60 29.0 252 58 27.5 246
 60 27.9 253 56 24.5 226
 60 38.0 255-30 56 25.5 238
 60 33.5 258 56 25.2 243
 60 39.7 258 56 28.6 242-30
 60 41.0 257-30 56 28.4 247
 60 43.7 257 56 29.4 250
 60 45.7 258 56 34.3 250
 60 47 1/2 261-30 56 39.5 252
 Onset 60 51.5 260-30 56 40.7 250-30
 58 52.4 257-30 56 43.8 251-30
 58 47.3 258-30 56 45.0 255
 58 45.0 257-30 56 48.9 256-30
 58 44.0 257 56 52.9 255
 58 40.8 254

65.65

A+ N6

61.05

65.65

A+ N6

A8
61.05

54 535 252-30 54 21.9 211

54 345 150 RC 56 39.7 135-30

54 180 254 54 19.8 208

54 339 145 RC 56 39.4 133-30

54 448 251 54 17.7 213

54 348 143-30 11 + 56 40.8 132-30

54 444 248-30 54 16.6 208-30

54 365 138 54 40.4 128

54 A28 248 54 12.5 209

54 395 139 54 44.0 124

54 A0A 248-30 54 13.0 179-30

TR 54 37.9 140-30 54 46.3 119-30

54 386 250 54 17.6 174-30

54 415 135-30 54 44.5 116

54 360 248-30 54 22.7 161-30

54 438 138 54 41.9 114-30

54 360 246 54 23.8 163-30

54 45.3 140

54 339 244-30 54 24.5 159

54 46.2 139

54 31.6 245 54 26.9 155-30

54 49.2 134

54 29.5 246 54 28.3 155

54 40.8 131-30

54 28.7 240 54 28.5 152

RC 56 41.9 133

54 28.5 226 54 31.4 153

" " 56 A2A 135

54 25.5 236-30 54 31.0 155-30

" " 56 40.7 136

54 24.5 231-30 54 32.2 157

" " 56 38.8 138-30

54 24.1 222-30 54 34.8 152-30

" " 56 37.8 138-30

Use R.C. from 56

" " 56 37.8 136-30

41-50

554

A+N7

50.36

| | | | | | |
|----|------|--------|----|-----|--------|
| 52 | 27.7 | 110 | 52 | 85 | 118-30 |
| 52 | 24.0 | 112-30 | 52 | 80 | 103-30 |
| 52 | 21.9 | 121-30 | 52 | 60 | 104 |
| 52 | 19.6 | 113 | 52 | 58 | 96 |
| 52 | 15.0 | 119-30 | 52 | 36 | 94 |
| 52 | 12.8 | 116-30 | 52 | 30 | 84 |
| 52 | 12.0 | 120 | 52 | 38 | 71 |
| 52 | 9.0 | 125-30 | 52 | 38 | 7-30 |
| 52 | 27.7 | 110 | 52 | 52 | 326 |
| 52 | 23.2 | 108 | 52 | 56 | 307 |
| 52 | 20.5 | 114-30 | 52 | 3.5 | 293-30 |
| 52 | 19.4 | 110-30 | 52 | 40 | 279 |
| 52 | 16.9 | 112 | 52 | 7.0 | 296-30 |
| 52 | 15.0 | 117-30 | 52 | 7.3 | 307 |
| 52 | 12.9 | 115 | 52 | 5.7 | 311 |
| 52 | 12.3 | 119 | 52 | 6.8 | 312-30 |
| 52 | 10.4 | 122 | 52 | 7.7 | 325-30 |

554

A+N7

49
50.36

| | | | | | |
|---------------|-----------------|-------------------|----|------|--------|
| 52 | 10.4 | 325 | 50 | 13.6 | 259-30 |
| 52 | 12.8 | 324 | 50 | 14.3 | 256-30 |
| 52 | 11.5 | 310 | 50 | 10.2 | 253 |
| 52 | 9.8 | 303-30 | 50 | 7.9 | 269 |
| 52 | 8.8 | 304 | 50 | 7.0 | 262-30 |
| 52 | 11.6 | 280-30 | 50 | 5.0 | 280 |
| 52 | 8.6 | 276 | 50 | 2.3 | 187 |
| 52 | 9.8 | 268-30 | 50 | 4.9 | 164 |
| 52 | 11.7 | 261-30 | 50 | 5.7 | 154 |
| TR 54 | 11.9 | 275 | 50 | 9.7 | 164-30 |
| 52 | 12.3 | 271-30 | 50 | 11.0 | 153 |
| 52 | 15.7 | 280-30 | 50 | 9.4 | 150 |
| 52 | 16.2 | 285 | 50 | 9.8 | 136 |
| 52 | 17.7 | 284-30 | 50 | 9.1 | 137 |
| 50 | 16.1 | 280-30 | 50 | 10.5 | 126-30 |
| 50 | 14.8 | 280-30 | 50 | 12.5 | 120 |
| 50 | 13.7 | 272 | 50 | 14.2 | 128 |

5540

A+N7

5036

5531

A+N7

50
5036

50 165 121-30

48 68 225 48 357 283

50 19.9 118-30

48 70 232 48 37.5 280

50 21.5 121-30

48 60 244 48 43.6 277

50 22.8 120-30

48 70 245 48 46.1 276-30

50 24.2 117-30

48 9.8 241 48 47.5 276

50 25.5 119

48 10.9 246 48 48.4 272

50 30.2 115

48 12.6 253-30 48 48.4 270-30

50 30.0 113-30

48 15.7 256 ^{Con} 48 51.5 267-30

50 28.7 110-30

48 14.0 260 48 51.5 265-30

H1-A95
5531

A+N7

5036

48 14.5 275 48 52.5 265-30

48 31.3 110

48 10.3 138

48 20.5 283

48 31.7 116

48 9.7 146

48 20.3 287-30 50 51.1 272

48 26.0 121

48 12.6 156-30

48 26.4 287-30
48 27.1 285 50 49.4 275-30

48 22.7 123-30

48 10.8 167

48 28.3 285 50 48.1 278

48 23 125-30

48 6.4 197

48 28.7 286 50 45 279

48 16.5 127

48 51 204-30

48 31.6 287 50 38.3 282

48 13.0 131-30

48 5.6 221

48 33.7 285 50 37.1 284-30

48 33.5 283-30 50 33.6 287-30

| 5531 | At N7 | | 5036 |
|------|-------|--------|----------------|
| 50 | 27.0 | 288-30 | 52 376 285-30 |
| 50 | 21.8 | 291-30 | 52 38.4 286 |
| 52 | 20.1 | 287-30 | 52 39.1 284 |
| 50 | 20 | 287-30 | 52 43.5 281-30 |
| 50 | 18.6 | 282-30 | 52 48.5 281 |
| 50 | 19.7 | 284-30 | 52 50.4 276-30 |
| 50 | 21.5 | 291 | 52 51.3 276 |
| 52 | 18.7 | 287-30 | 46 57.2 264-30 |
| 52 | 21.3 | 294 | 46 46.0 276 |
| 52 | 22.5 | 292 | 46 41.7 274-30 |
| 52 | 26.2 | 292 | 46 36.4 279 |
| 52 | 26.5 | 289-30 | 46 34.7 278 |
| 52 | 27.4 | 289-30 | 46 33 279 |
| 52 | 20.1 | 292-30 | 46 31.7 282 |
| 52 | 32.8 | 288-30 | 46 30.6 285 |
| 52 | 33.8 | 288-30 | 46 24.7 283 |

| 5531 | At N7 | | 51 5036 |
|------|-------|--------|----------------|
| 46 | 21 | 272-30 | 46 15.0 145 |
| 46 | 19.6 | 275-30 | 46 19.0 140 |
| 46 | 16.0 | 265- | 46 20.6 133 |
| 46 | 17.8 | 253-30 | 46 23.5 133 |
| 46 | 16.4 | 251-30 | 46 27.7 124 |
| 46 | 16.3 | 241-30 | 46 28.6 126-30 |
| 46 | 14.1 | 241 | 46 30 125-30 |
| 46 | 12.9 | 246 | 46 30.3 148 |
| 46 | 11.0 | 239 | 46 32.4 152 |
| 46 | 8.7 | 234-30 | 46 35.6 123 |
| 46 | 14.1 | 230-30 | 46 36.3 119 |
| 46 | 10.1 | 220 | 46 34.7 116-30 |
| 46 | 8.5 | 204 | 46 36.0 111-30 |
| 46 | 12.0 | 174-30 | 46 38.4 110-30 |
| 46 | 14.1 | 159-30 | 44 42.0 112 |
| 46 | 14.8 | 155 | 44 39.1 112 |
| 46 | 15.0 | 151 | 44 37.0 118 |

5531

AN7

5036

| | | | | | |
|----|------|--------|----|------|--------|
| AA | 36.4 | 173-30 | AA | 15.3 | 234 |
| AA | 32 | 127 | AA | 14.1 | 236 |
| AA | 31.4 | 129 | AA | 17.4 | 240-30 |
| AA | 28.9 | 127 | AA | 20.0 | 249 |
| AA | 26.1 | 135-30 | AA | 17.6 | 262 |
| AA | 23.2 | 146 | AA | 22.7 | 268 |
| AA | 22.2 | 140-30 | AA | 27.8 | 278 |
| AA | 19.0 | 147 | AA | 31.9 | 278-30 |
| AA | 16.8 | 146 | AA | 34 | 275-30 |
| AA | 16.5 | 148 | AA | 34.8 | 277 |
| AA | 18.5 | 154 | AA | 39.6 | 274 |
| AA | 14.5 | 176 | AA | 40.5 | 272-30 |
| AA | 12.6 | 198-30 | AA | 45.2 | 273-30 |
| AA | 11.5 | 200 | AA | 47.3 | 271-30 |
| AA | 11.6 | 211-30 | AA | 49.2 | 268 |
| AA | 12.0 | 230 | AA | 45.4 | 270 |
| AA | 14.5 | 227 | AA | 39.0 | 269 |

5531

AN7

52
5036

| | | | | | |
|----|------|--------|----|------|--------|
| AA | 38.4 | 272 | AA | 17.0 | 201-30 |
| AA | 34.9 | 274 | AA | 13.7 | 197 |
| AA | 35.0 | 271 | AA | 15.3 | 172-30 |
| AA | 32.7 | 274 | AA | 18.3 | 173 |
| AA | 29.0 | 274-30 | AA | 20.3 | 160 |
| AA | 22.0 | 264-30 | AA | 19.8 | 154-20 |
| AA | 19.5 | 262 | AA | 18.5 | 151 |
| AA | 21.0 | 251 | AA | 18.8 | 147 |
| AA | 20.3 | 244 | AA | 19.5 | 149-20 |
| AA | 16.3 | 232 | AA | 21.7 | 142 |
| AA | 16.7 | 232-30 | AA | 23.6 | 141-20 |
| AA | 15.1 | 221-30 | AA | 24.7 | 139 |
| AA | 13.4 | 224-30 | AA | 27.0 | 139-30 |
| AA | 13.1 | 222 | AA | 30.6 | 126-30 |
| AA | 15.2 | 213-30 | AA | 30.7 | 131 |
| AA | 13.8 | 204 | AA | 34.0 | 120 |
| AA | 14.3 | 207 | AA | | |

5531

AAN7

5036

A^v 38.0 124A^v 37.1 121A^v 38.9 119A^v 40 120A^v 44.7 117H.L. ^{45°} 6005

A+07

5555

54 17. 61-30

54 426 28

54 17.5 55-30

5^v 436 31

54 18.7 55-30

5^v 383 3342
76

54 21 51-30

5^v 385 36-30

54 20.8 48

5^v 370 38

54 20.3 42-30

5^v 344 34-30

54 23.7 35°

5^v 29.7 37

54 38.5 34

5^v 28.9 36

54 33.0 30-30

5^v 27.0 38

54 35.6 33

5^v 24.5 36

54 40.8 28

5^v 20.5 43

H.L. = 45°

6005

A+07

53

5555

5^v 17

61

50

14.1

107

5^v 18.8

84-30

50

16.4

107

5^v 17.0

93

50

18.6

106

5^v 15.2

101

50

20.0

100-30

5^v 13.2

98

50

18.4

91

5^v 12.0

108

50

19.4

84-30

5^v 10.4

104

48

50

19.5

79

5^v 9.3

117-30

50

19.0

71-30

5^v 8.7

124

50

19.4

64

5^v 11.7

139-20

50

21.0

56

5^v 11.9

153

50

27.3

37

5^v 10.9

162-30

50

27.4

39

50 11.7

151

50

29.9

37

50 11.8

139-30

50

32

36

50 11.5

132

50

36.3

38-30

50 11.9

124

50

37.8

39-30

50 13.6

113

50

40

34

60.05

A107

55.55

51.49

A107-16' North

54
46.94

50 A2.0 33 48 19.7 74

A6 11.0 78° A2 15.1 106

50 4A6. 30 30 48 20 83

A6 12.0 73-30 A2 17.2 108

48 A5.6 33 48 21.3 94

A6 13.2 76° R.A.2 17.3 113

48 40.5 35 48 19 94

A6 15.6 71° R.A.2 19 112

48 38.2 39-30 48 21. 107-30

A6 17.5 75 A2 17.2 102-30

48 35.7 41 48 21.3 114-30

A6 20.3 74-30 A2 19.8 95

48 34.3 58 48 19.2 114-30

A6 22.0 74 A2 21.5 93

48 33.0 39-30 48 17.5 112-30

A6 23.1 65 A2 22.4 89

48 32.7 37 48 14.7 136-30

A6 24.0 60 A2 23 75-30

48 31.0 59 48 11.7 148

A6 27.3 46-30 A2 25.7 60

48 29.7 38

A4 28.0 53 A2 27.5 61

48 28.0 40

A4 26.4 58 A2 30.7 57

48 27.4 39

A4 23.8 69 A2 28.0 52

48 22.0 53-30

A4 21.9 74-30 A0 25.0 64

48 21.6 58

A2-40
A4 22.5 80 A0 23.7 71

48 21.0 59

A4 20.6 85 A0 20.5 94

48 21.2 68

A4 17.0 89 A0 20.8 101-30

H. 1-26

| 5149 | | At 07 | 16 North | 4694 | 424 | At M 7 | 4' North | 55 | | | |
|------|------|--------|----------|------|--------|--------|----------|--------|------|------|--------|
| 40 | 186 | 103-30 | 40 | 14.3 | 2538 | 40 | 277 | 261 | 40 | 7.6 | 132-30 |
| 40 | 20.7 | 109-30 | 40 | 14.8 | 265-30 | 40 | 264 | 268 | 40 | 8.6 | 127 |
| 40 | 20.0 | 118 | 40 | 14.7 | 266 | 40 | 257 | 270 | 40 | 12.1 | 130-30 |
| 40 | 17.3 | 119-30 | 40 | 16.3 | 258 | 40 | 249 | 267 | 38 | 12.5 | 136 |
| 40 | 16.4 | 118 | 40 | 18.4 | 259 | 40 | 231 | 269 | 38 | 8.0 | 132 |
| 40 | 16.0 | 112 | 40 | 21.6 | 261-30 | 40 | 227 | 271-30 | 38 | 6.7 | 138 |
| 40 | 14.8 | 121-30 | 40 | 25.7 | 260-30 | 40 | 201 | 276 | 38 | 5.3 | 127 |
| 40 | 13.0 | 125 | 40 | 27.7 | 269-30 | 40 | 164 | 274 | 38 | 3.8 | 165-30 |
| 40 | 12.8 | 137 | 40 | 29.5 | 273-30 | 40 | 139 | 276 | 38 | 1.6 | 150 |
| 40 | 9.7 | 128 | 40 | 29.5 | 275-30 | 40 | 130 | 285 | 38 | 6.0 | 274 |
| 40 | 7.5 | 128 | 40 | 30.7 | 276 | 40 | 123 | 286-30 | 38 | 7.1 | 282 |
| 40 | 7.9 | 151-30 | 40 | 30.8 | 276-30 | 40 | 119 | 292-30 | 38 | 10.8 | 284 |
| 34 | 40 | 6.5 | 178-30 | 40 | | 40 | 86 | 291 | 38 | 13.5 | 278 |
| 34 | 40 | 6.9 | 189-30 | | | 40 | 59 | 307 | 38 | 13.6 | 270-30 |
| 34 | 40 | 6.7 | 212 | | | 40 | 2.9 | 310 | 38 | 16.1 | 270 |
| 34 | 40 | 10.3 | 241 | | | 40 | 2.5 | 320-30 | 38 | 16.7 | 271 |
| 34 | 40 | 11.4 | 251 | | | 40 | 3.0 | 311-30 | 38 | 12.9 | 268 |
| | | | | | | 40 | 4.6 | 311-30 | 38 | 26.2 | 255 |
| | | | | | | | | 38 | 28.7 | 255 | |

Comments

38

38

38

| 424 | At M7 | | 4' North | | 3781 |
|--------|-------|--------|-------------------|------|--------|
| Con 36 | 27.5 | 254-30 | 34 | 10.5 | 261-30 |
| Con 36 | 23.8 | 261 | 34 | 12.5 | 255 |
| 36 | 22 | 261 | 34 | 17.0 | 253 |
| 36 | 11.9 | 271 | 34 | 21.6 | 255 |
| 36 | 9.4 | 274 | 34 | 25.7 | 257 |
| 36 | 7.6 | 256 | 34 | 29.5 | 248-30 |
| 36 | 6.7 | 256-30 | Concut Stee 32 | 30.4 | 246 |
| 36 | 6.3 | 249-30 | Concut | 32 | 251 |
| 36 | 2.0 | 199 | 32 | 16.6 | 247-30 |
| 36 | 4.6 | 165 | 32 | 8.8 | 245 |
| 36 | 6.8 | 150 | 32 | 9.2 | 223 |
| 36 | 9.9 | 142-30 | 32 | 6.9 | 169 |
| 34 | 9.4 | 149 | 32 | 10.3 | 161 |
| 34 | 5.6 | 153 | 32 | 10.7 | 170 |
| 34 | 4.3 | 173 | 32 | 11.7 | 171 |
| 34 | 8.0 | 249-30 | 32 | 12.2 | 159 |
| 34 | 8.8 | 262 | 32 | 10.8 | 148-30 |

| At M7 4' North | | |
|----------------|------|--------|
| 32 | 16.7 | 133° |
| 32 | 18.0 | 142-30 |
| 32 | 21.9 | 129-30 |
| 32 | 24.5 | 126 |
| 32 | 22.5 | 123 |
| 32 | 24.1 | 118 |
| 32 | 28.2 | 126 |
| 30 | 28.2 | 126 |
| 30 | 19.2 | 14.8 |
| 30 | 16.0 | 134-30 |
| 30 | 12.4 | 145-30 |
| 30 | 13.0 | 150-30 |
| 30 | 12.4 | 158-30 |
| 30 | 9.8 | 174 |

Hl. = 51

| | | | | | |
|------|------|------------------|---------------------|------|--------|
| 31.0 | | At A 7 16' North | 25.92 | | |
| 30 | 76.3 | 84.30 | 28 | 93 | 85.30 |
| 30 | 74.8 | 82.30 | 28 | 25.9 | 88 |
| 30 | 74.5 | 80 | 28 | 27.5 | 93 |
| 30 | 71.1 | 77.30 | 28 | 29.1 | 94.30 |
| 30 | 19.0 | 71 | 28 | 29.0 | 98 |
| 30 | 10.1 | 73 | <u>Top R.</u> 30 | 30 | 100 |
| 30 | 5.3 | 59.30 | 28 | 31 | 102 |
| 30 | 5.0 | 36.30 | 28 | 31 | 97 |
| 30 | 2.3 | 274.30 | 28 | 33 | 97 |
| 30 | 3.4 | 249 | 26 | 31.4 | 103.30 |
| 28 | AA | 229 | 26 | 29.0 | 96.30 |
| 28 | 24 | 240 | 26 | 25.6 | 95 |
| 28 | 12 | 274.30 | 26 | 25.3 | 95.30 |
| 28 | 28 | 25° | 26 | 16.2 | 92.30 |
| 28 | 35 | 76° | 26 | 12.4 | 97 |
| 28 | 85 | 89.30 | 26 | 10.8 | 94.30 |
| 28 | 18.1 | 79.30 | 26 | 8.5 | 101 |

Corner.

Corner.

57

| | | | | | |
|-------|------|------------------|--------|------|--------|
| | | At A 7 16' North | | | |
| 26 | 4.1 | 105.30 | 26 | 36.8 | 106° |
| 26 | 3.8 | 123.30 | 24 | 36.5 | 108° |
| 26 | 1.9 | 144 | 24 | 36.9 | 108.30 |
| 26 | 5.1 | 209.30 | | | |
| 26 | 5.8 | 216 | | | |
| 24 | 6.9 | 207 | | | |
| 24 | 6.6 | 199.30 | | | |
| 24 | 5.4 | 155 | | | |
| 24 | 6.3 | 113.30 | | | |
| 24 | 14.0 | 107 | | | |
| 24 | 16.5 | 94 | | | |
| 24 | 24.5 | 100 | | | |
| 24 | 29.0 | 98 | | | |
| 24 | 28 | 31.5 | 103.30 | | |
| 24-26 | 28 | 34.0 | 103 | | |
| 24 | 35.7 | 104.30 | | | |
| 26 | 36.0 | 104.30 | | | |

41-180

| 2489 | AA | 178 | Concrete | 2009 | 2489 | AA | 178 | 58 | 2009 |
|----------|------|--------|----------|--------|------|----|--------|--------|------|
| ✓ | 10.0 | 105 | ✓ | 272 | 20 | 88 | 118-30 | 18 | 218 |
| ✓ | 9.0 | 93-30 | Steel | 279 | 20 | 87 | 104-30 | 18 | 262 |
| ✓ | 83 | 89-30 | Steel | 277 | 20 | 96 | 102 | 18 | 269 |
| ✓ | 67 | 87 | Concrete | 267 | 18 | 96 | 102 | Steel | 18 |
| ✓ | 56 | 74 | concrete | 264 | 15 | 97 | 122-30 | Steel | 16 |
| ✓ | 54 | 44-30 | 20 | 198 | 285 | 18 | 84 | 128 | 16 |
| ✓ | 40 | 355- | 20 | 154 | 280 | 18 | 86 | 145 | 16 |
| ✓ | 59 | 312 | 20 | 116 | 284 | 18 | 65 | 140 | 16 |
| ✓ | 10.1 | 295 | 10.9 | 279-30 | | 18 | 68 | 149 | 16 |
| ✓ | 11.1 | 289 | 20 | 50 | 280 | 18 | 24 | 189 | 16 |
| ✓ | 14.8 | 282 | 20 | 0.5 | 180 | 18 | 42 | 220 | 16 |
| ✓ | 136 | 281 | 20 | 20 | 175 | 18 | 67 | 260 | 16 |
| ✓ | 14.9 | 287 | 20 | 36 | 165 | 18 | 69 | 268-30 | 16 |
| ✓ | 15.5 | 288 | 20 | 27 | 136 | 18 | 94 | 271-30 | 16 |
| ✓ | 18.1 | 283-30 | 20 | 22 | 104 | 18 | 109 | 274-30 | 16 |
| ✓ | 19.1 | 286- | 20 | 37 | 100 | 18 | 155 | 275 | 16 |
| Concrete | 204 | 283-30 | 20 | 7.0 | 125 | 18 | 170 | 280-30 | 16 |

2489

At MB

2009

2489

9/1/1917

At MB

59
2009

| | | | | | | | | | | | |
|----|-----|--------|----|-----|--------|----|---------------|--------|----|-----|--------|
| 16 | 66 | 250 | 14 | 168 | 133 | 14 | 129 | 275-30 | 12 | 174 | 272-30 |
| 16 | 62 | 241 | 14 | 147 | 125 | 14 | 136 | 280 | 12 | 149 | 281 |
| 16 | 67 | 220 | 14 | 145 | 133-30 | 14 | 15 | 281 | 12 | 138 | 281 |
| 16 | 42 | 204 | 14 | 132 | 136-20 | 14 | 15 | 274 | 12 | 123 | 274-30 |
| 16 | 36 | 188 | 14 | 109 | 133 | 14 | 174 | 272-30 | 12 | 119 | 262 |
| 16 | 72 | 168-30 | 14 | 108 | 145 | 14 | 184 | 275 | 12 | 90 | 248-30 |
| 16 | 96 | 146 | 14 | 75 | 164 | 14 | 193 | 268 | 12 | 93 | 242-30 |
| 16 | 100 | 135 | 14 | 86 | 186 | 14 | 205 | 263 | 12 | 78 | 233-30 |
| 16 | 109 | 134-30 | 14 | 78 | 202 | 14 | 211 | 254 | 12 | 80 | 224 |
| 16 | 108 | 123-30 | 14 | 67 | 214 | 14 | 258 | 254 | 12 | 69 | 214 |
| 16 | 130 | 139-30 | 14 | 73 | 218-30 | 14 | 278 | 252 | 12 | 83 | 203 |
| 16 | 165 | 113 | 14 | 72 | 229-30 | 14 | 290 | 253-30 | 12 | 92 | 175-30 |
| 14 | 225 | 120-30 | 14 | 88 | 239-30 | 14 | 294 | 250 | 12 | 108 | 174-30 |
| 14 | 217 | 130-30 | 14 | 85 | 251-30 | 14 | 282 | 249 | 12 | 101 | 152-30 |
| 14 | 210 | 116-30 | 14 | 90 | 253-30 | 14 | 245 | 254 | 12 | 108 | 146-30 |
| 14 | 187 | 122-30 | 14 | 97 | 266-30 | 12 | 204 | 264 | 12 | 117 | 136-30 |
| 14 | 193 | 120-30 | 14 | 113 | 268 | 14 | 185 | 275 | 12 | 130 | 138 |

2489

At M 8

20.09

161^v

At M 8 - 9-3 North

60
114^v

12 13.8 134

10 15.8 305-30

1^v 17.7 138

10 17.7 310

1^v 18.8 134

10 19.0 308

12 19.6 135-30

10 Follow 12 around
16 26.4 268-30

12 21.0 136

5^v 10 28.1 268-30

H.A. 7

161^v

At M 8 - 9.3 North

114^v

10 15.9 114-30 10 39 176

10 14.7 110 10 24 185

10 13.4 111-30 10 37 206-30

10 10.8 99-30 10 24 226

10 9.9 107 10 34 253

10 8.6 103-30 10 45 289

10 7.0 94-30 TR 10 48 28^v R.

10 4.9 119 10 57 302

10 3.6 104 10 75 296

10 3.9 148-30 6-8 10 99 301

10 2.9 151 10 12.9 306

Cont Page 6f

2489

At M 8

20.09

161^v

At M 8 - 9-3 North

60

114^v

12 13.8 134

10 15.8 305-30

12 17.7 138

10 17.7 310

12 18.8 134

10 19.0 308

12 19.6 135-30

10 Follow 12 around
10 20.4 268-30

12 21.0 136

5th 10 28.1 268-30

At M 8

161^v

At M 8 - 9.3 North

114^v

10 15.9 114-30 10 3.9 176

10 14.7 110 10 2.4 185

10 13.4 111.30 10 3.7 206-30

10 10.8 99-30 10 2.4 236

10 9.9 107 10 3.4 253

10 8.6 103-30 10 4.5 289

10 7.0 94.30 TR 10 4.8 28^v Re.

10 4.9 119 10 5.7 308

10 3.6 104 10 7.5 296

10 3.9 148-30 ⁶⁻⁸ 10 9.9 301

10 2.9 151 10 12.9 306

Cont Page 64

Sept. 5, 1917 -
 Dilley - Level -
 Fisher - Tied.

Levels Cord Intersections.

+ H.I. - Elev.

| | | | | |
|----------|--------|--------|--------|------------|
| 0.33 | A25.79 | A25.46 | B.M. | R 19 |
| -Q.19 | | 5.55 | 420.21 | ✓ |
| T.P. | 8.46 | A22.15 | 12.10 | A13.69 |
| Q.18-17N | | 11.57 | A10.58 | ✓ |
| T.P. | 8.58 | 449.97 | 441.39 | B.M. R-20 |
| Q.17-16N | | 9.19 | 440.78 | ✓ |
| | 2.12 | 466.76 | 464.64 | B.M. R21 |
| Q.20 | | 11.74 | 455.04 | ✓ |
| Q.20-12N | 12.33 | 477.52 | 1.57 | 465.19 - ✓ |
| Q.21 | | 3.77 | 473.75 | ✓ |
| O-21 | | 7.01 | 470.51 | ✓ |
| T.P. | | 12.67 | 464.85 | B.M. |
| T.P. | 8.75 | 485.16 | 1.11 | 476.41 |
| Q.22 | | 5.27 | 479.89 | ✓ |
| O-22 | | 8.74 | 476.42 | ✓ |
| T.P. | 1.03 | 465.88 | 464.85 | B.M. |

Copied 9/15/17

Levels Cord Intersections

+ H.I. - Elev.

A65.88

| | | | | |
|------------|-------|--------|-------|--------|
| O 20 | 9.76 | 456.12 | ✓ | |
| T.P. | 0.76 | 454.06 | 12.60 | 453.28 |
| O 19-15'N. | 4.65 | 449.39 | - ✓ | |
| N 19-15'N. | 7.60 | 446.44 | ✓ | |
| T.P. | 0.80 | 442.01 | 12.83 | 441.21 |
| N 19 | 8.65 | 433.36 | ✓ | |
| O 19 | 6.08 | 435.93 | ✓ | |
| A 18 | 9.90 | 432.11 | ✓ | |
| A 18-3'S | 13.22 | 428.79 | ✓ | |
| T.P. | 0.35 | 429.66 | 12.70 | 429.31 |
| A 18-7'S. | 6.33 | 423.33 | ✓ | |
| N 18-12'N | 6.79 | 422.87 | ✓ | |
| N 18 | 11.42 | 418.22 | ✓ | |
| O 18-12'N | 2.03 | 427.63 | ✓ | |
| T.P. | 0.06 | 417.04 | 12.68 | 416.98 |

9/11/16
Copied

Levels Cord Intersections

+ H.I. - Elev

A17.0A

N17-15'N 7.83 A09.21 ✓

A17-5'N 2.31 A1A.63 ✓

T.P. A.17 A08.63 12.58 A04A6

N17-9.35'N 9.53 399.10 ✓

3.99 A04.64

6.26 A02.37 Check 017-17.84'N.



9/15/17
 [Signature]

H.I. = 425

1567

At M 8 93 North 1142

| | | | | | |
|----|-----|--------|---|--------|--------|
| 08 | 161 | 119-30 | 8 | 6.0 | 262 |
| 8 | 128 | 125-30 | 8 | 6.0 | 275 |
| 8 | 120 | 125 | 8 | 7.1 | 292 |
| 8 | 86 | 112 | 8 | 9.8 | 300-30 |
| 8 | 79 | 119 | 8 | 11 1/2 | 302 |
| 8 | 70 | 109 | 8 | 12.9 | 305-30 |
| 8 | 49 | 135-30 | 8 | 14.1 | 300-30 |
| 8 | 47 | 166 | 8 | 17.3 | 306 |
| 8 | 47 | 177 | 8 | 17.6 | 300-30 |
| 8 | 41 | 208 | 8 | 19.4 | 299-30 |
| 8 | 48 | 202 | 8 | 19.8 | 291 |
| 8 | 54 | 219 | 8 | 20.9 | 292 |
| 8 | 49 | 226-30 | 8 | 26.7 | 267 |
| 8 | 61 | 238 | 8 | 28 | 266-30 |
| 8 | 60 | 245 | 6 | 28 | 265 |
| 8 | 65 | 248 | 6 | 27 | 265 |
| 8 | 65 | 262 | 6 | 26.8 | 266 |

1567

At M 8 93 North

64
1142

| | | |
|----|------|--------|
| 6 | 22 | 282 |
| 6 | 21.7 | 277-30 |
| 6 | 19.8 | 277 |
| 6 | 20.6 | 285 |
| 6 | 19.0 | 280 |
| 6 | 18.8 | 287-30 |
| 6 | 19.9 | 289 |
| 6 | 18.0 | 294 |
| 6 | 18.1 | 297-30 |
| 6 | 17.0 | 296 |
| 6 | 15.5 | 298 |
| 6 | 15.4 | 302 |
| 6 | | |
| 6 | | |
| 12 | 14.4 | 303 |
| 12 | 16.4 | 308 |
| 12 | 15.9 | 308-30 |

4.22
A. 15.6

At M. 8 93°N 11.42

| | | | | | |
|----|------|--------|---|------|--------|
| 10 | 106 | 303 | 6 | 11.2 | 300 |
| 10 | 12.1 | 304 | 6 | 8.4 | 297 |
| 10 | 13.2 | 306 | 6 | 8.4 | 292 |
| 10 | 13.8 | 301 | 6 | 6.7 | 272-30 |
| 10 | 15.9 | 305-31 | 6 | 8.0 | 260 |
| 10 | 17.6 | 309 | 6 | 8.2 | 250 |
| 10 | 18.0 | 308-30 | 6 | 5.1 | 241 |
| 10 | 19.1 | 309-30 | 6 | 6.8 | 228 |
| 8 | 17.8 | 311 | 6 | 6.1 | 206 |
| 8 | 17.2 | 305-30 | 6 | 5.9 | 173 |
| 8 | 14.1 | 301 | 6 | 6 | 149 |
| 8 | 13.0 | 306 | 6 | 7.1 | 123 |
| 8 | 11.2 | 302 | 6 | 8.2 | 126 |
| 6 | 15.9 | 297 | 6 | 9.1 | 119 |
| 6 | 15.4 | 303 | 6 | 11.8 | 129 |
| 6 | 14.0 | 301 | 6 | 12.3 | 128 |
| 6 | 13.1 | 306 | 6 | 12.9 | 128-30 |

4.22
15.64

At M. 8 90°N 11.2 65

| | | | | | |
|---|------|--------|---|------|--------|
| 6 | 16.7 | 123-30 | 4 | 7.6 | 247 |
| 4 | 17.0 | 126 | 4 | 8.7 | 254 |
| 4 | 13.2 | 132-30 | 4 | 8.6 | 276 |
| 4 | 12.4 | 131-30 | 4 | 9.9 | 275 |
| 4 | 10.6 | 129 | 4 | 11.2 | 282 |
| 4 | 10.3 | 132 | 4 | 11.9 | 285 |
| 4 | 7.7 | 126 | 4 | 18.1 | 287-30 |
| 4 | 7.7 | 141 | 4 | 17.8 | 284-30 |
| 4 | 7.4 | 141 | 4 | 18.6 | 281 |
| 4 | 6.6 | 162 | 4 | 19.1 | 278 |
| 4 | 7.0 | 162-30 | 4 | 20.6 | 276 |
| 4 | 6.2 | 167 | 4 | 22.2 | 276 |
| 4 | 7.0 | 166-30 | 4 | 23.6 | 276 |
| 4 | 7.7 | 177 | 4 | 26.4 | 265-30 |
| 4 | 7.7 | 197-30 | 4 | 27.1 | 261 |
| 4 | 7.6 | 216-30 | 4 | 29.0 | 256-30 |
| 4 | 8.3 | 232-30 | | | |

Concrete

Stool

314

40x16

| | At 179 | | | 399.02 |
|----|--------|--------|----|------------|
| 02 | 292 | 286 | ✓ | 125 326-30 |
| 02 | 280 | 288 | ✓ | 97 326-30 |
| 02 | 284 | 290-30 | ✓ | 78 321 |
| 02 | 261 | 291 | ✓ | 68 328 |
| 02 | 257 | 293 | ✓ | 72 330-30 |
| 02 | 270 | 295-30 | ✓ | 54 348 |
| 02 | 285 | 299 | ✓ | 60 359 |
| 02 | 260 | 302-30 | ✓ | 52 1A+30 |
| 02 | 249 | 307 | ✓ | 75 17 |
| ✓ | 253 | 310 | ✓ | 96 44-30 |
| ✓ | 244 | 312-30 | ✓ | 122 62-30 |
| ✓ | 247 | 314 | ✓ | 248 82-30 |
| ✓ | 259 | 316 | ✓ | 248 84 |
| ✓ | 200 | 326 | ✓ | 269 84-30 |
| ✓ | 170 | 331-30 | 00 | 254 95 |
| ✓ | 159 | 327-30 | 00 | 238 90 |
| ✓ | 136 | 329 | 00 | 227 90 |

8/6/17

66

40x16

At 179

399.02

| 00 | 20.1 | 85 | 0 | 26.7 | 286 |
|----------|------|--------|----------|------|---------|
| 00 | 19.6 | 81-30 | Steel | 0 | 293 282 |
| 00 | 149 | 76.0 | Steel 98 | 292 | 283 |
| 0 | 112 | 67 | 98 | 277 | 283 |
| 0 | 103 | 76 | con 98 | 243 | 305-30 |
| 0 | 70 | 69 | 98 | 152 | 307-30 |
| 0 | 41 | 21 | 98 | 115 | 218 |
| 0 | 33 | 02 | 98 | 95 | 314-30 |
| 0 | 59 | 234 | 98 | 85 | 305 |
| 0 | 5.5 | 321 | 98 | 63 | 290 |
| 0 | 66 | 309-30 | 98 | 25 | 310 |
| 0 | 82 | 306 | 98 | 21 | 282 |
| 0 | 9.3 | 318 | 98 | 15 | 244 |
| 0 | 11.0 | 321 | 98 | 08 | 286 |
| 0 | 11.9 | 327 | 98 | 10 | 145 |
| 0 | 14.8 | 322 | 98 | 26 | 93 |
| Concrete | 0 | 240 | 313 | 98 | 32 73 |

| 40-16 | RC | At M 9 | 9902 |
|-------|------|--------|---------------|
| 98 | 00 | 1.0 | 27 96 93 121 |
| 98 | 53 | 88 | 96 68 132 |
| 98 | 7.3 | 111 | 96 39 125 |
| 98 | 92 | 105 | 96 31 125 |
| 98 | 122 | 102 | 96 24 142 |
| 98 | 14.3 | 92-30 | 96 3.7 179 |
| 98 | 15.7 | 93 | 96 2.0 198 |
| 98 | 18.5 | 91.20 | 96 2.8 212 |
| 98 | 18.4 | 95 | 96 3.8 222 |
| 98 | 20 | 97 | 96 4.7 228 |
| 98 | 21.4 | 99-30 | 96 5.0 208-30 |
| 98 | 24.7 | 100 | 96 7.9 228-30 |
| 96 | 24.0 | 106 | 96 6.0 239-30 |
| 96 | 18.2 | 104 | 96 6.9 252 |
| 96 | 16.4 | 99-30 | 96 9.8 258 |
| 96 | 14.0 | 103 | 96 9.6 292 |
| 96 | 12.3 | 120 | 96 11.2 298 |

876/17

| 40-16 | At M 9 | 9902 |
|-------|--------|--------|
| 96 | 121 | 292 |
| 96 | 129 | 289 |
| 96 | 136 | 295 |
| 91 | 15.6 | 296 |
| 96 | 24.7 | 298 |
| 96 | 27.8 | 282-30 |
| 94 | 28.1 | 279-30 |
| 94 | 29.0 | 279-30 |
| 94 | 27.9 | 288 |
| 94 | 25.8 | 290-30 |
| 94 | 24.0 | 290 |
| 94 | 24.2 | 293-30 |
| 94 | 19.0 | 291 |
| 94 | 16.7 | 288-30 |
| 94 | 14.7 | 292-30 |
| 94 | 13.8 | 285 |

6.7
99.02

| | | |
|----|------|--------|
| 94 | 11.8 | 287 |
| 94 | 9.8 | 284 |
| 94 | 9.2 | 271-30 |
| 94 | 11.7 | 258-30 |
| 94 | 12.8 | 246 |
| 94 | 11.8 | 236 |
| 94 | 9.0 | 228 |
| 94 | 7.0 | 205 |
| 94 | 5.9 | 201-30 |
| 94 | 5.3 | 184-30 |
| 94 | 6.2 | 178-30 |
| 94 | 6.2 | 167 |
| 94 | 5.7 | 151-30 |
| 94 | 8.4 | 149-30 |
| 94 | 10.1 | 140 |
| 94 | 12.8 | 131 |
| 94 | 14.0 | 116-30 |

8/6/17

68
9902

40216

At Mt 9

9902

40216

At Mt 9

| | | | | | |
|----|-----|--------|----|-----|--------|
| 94 | 185 | 114° | 92 | 105 | 207 |
| 94 | 196 | 112-30 | 92 | 97 | 220 |
| 94 | 312 | 112 | 92 | 130 | 239 |
| 92 | 313 | 116 | 92 | 132 | 247 |
| 92 | 289 | 110-30 | 92 | 117 | 273-31 |
| 92 | 248 | 115 | 92 | 131 | 272 |
| 92 | 231 | 118-30 | 92 | 131 | 277 |
| 92 | 167 | 128-30 | 92 | 159 | 281 |
| 92 | 172 | 126-30 | 92 | 187 | 281-30 |
| 92 | 137 | 130 | 92 | 218 | 286 |
| 92 | 144 | 137-30 | 92 | 228 | 289-30 |
| 92 | 136 | 145 | 92 | 254 | 286 |
| 92 | 138 | 151 | 92 | 258 | 281-30 |
| 92 | 75 | 164-30 | 92 | 275 | 281-30 |
| 92 | 82 | 177 | 92 | 277 | 279-30 |
| 92 | 79 | 196-30 | 92 | 288 | 277 |
| 92 | 100 | 193-30 | | | |

| | | |
|----|-----|--------|
| 90 | 122 | 226 |
| 90 | 105 | 212 |
| 90 | 117 | 202-30 |
| 90 | 110 | 182-30 |
| 90 | 108 | 178-30 |
| 90 | 118 | 168-30 |
| 90 | 145 | 157 |
| 90 | 170 | 159-30 |
| 90 | 162 | 149 |
| 90 | 158 | 148 |
| 90 | 180 | 132-30 |
| 90 | 207 | 128-30 |
| 90 | 205 | 124-30 |
| 90 | 224 | 121 |
| 90 | 258 | 121 |
| 90 | 261 | 117 |
| 90 | 30 | 118 |

| 4.0 | 05.08 | A+N9 | | | 01.06 | 05.08 | A+N9 | | | 69 | 01.06 | | | |
|-----|-------|------|--------|--------|-------|--------|--------|-------|----------|--------|-------|-----|--------|-----|
| | 04 | 127 | 297-30 | 02 | 30 | 38 | 96 | 11.1 | 127-30 | | | | | |
| | 04 | 93 | 302 | 00 | 2.1 | 171-30 | 06 | 10.0 | 308 | | | | | |
| | 04 | 64 | 324 | 00 | 3.5 | 109 | 06 | 9.9 | 313-30 | | | | | |
| | 04 | 53 | 321 | 00 | 5.4 | 134-30 | 06 | 8.8 | 319 | | | | | |
| | 04 | 43 | 324 | 00 | 6.0 | 126 | 06 | 9.7 | 324 | | | | | |
| | 04 | 43 | 170 | | | | | | | | | | | |
| | 04 | 56 | 180 | 00 | 7.6 | 134 | 06 | 8.5 | 334-30 | | | | | |
| | ↓ | 48 | 15-30 | 00 | 8.4 | 131 | 06 | 8.3 | 352-30 | | | | | |
| | 04 | 74 | 14.20 | 98 | 00 | 103 | 06 | 9.2 | 21 | | | | | |
| | 04 | 73 | 115 | 98 | 00 | 11.4 | 06 | 7.8 | 3530 | | | | | |
| | 04 | 109 | 128-30 | 98 | 7.5 | 150 | 06 | 8.8 | 41-30 | | | | | |
| 02 | 04 | 13.4 | 136-30 | 98 | 5.6 | 149-30 | 38.5 | 20.09 | A+N8-9'N | | 16.24 | | | |
| 00 | 98 | 04 | 146 | 125-30 | 96 | 6.9 | 195-30 | 20 | 11.4 | 304-30 | 19 | 6.7 | 298 | |
| 00 | 98 | 04 | 127 | 128-30 | 96 | 8.3 | 164 | 18 | 11.4 | 299 | 24 | 20 | 80 | 316 |
| | 04 | 100 | 129 | 96 | 9.4 | 145-30 | 20 | 10.1 | 289-30 | 24 | 20 | 7.3 | 338-30 | |
| | 04 | 79 | 123-30 | 96 | 11.7 | 147 | 16 | 10.0 | 284-30 | 18 | 20 | 3.1 | 352 | |
| | 04 | 70 | 124-30 | 96 | 13.3 | 141-30 | 18 | 10.1 | 288-30 | 18 | 20 | 3.4 | 26.20 | |
| | 04 | 50 | 34 | 96 | 12.4 | 135 | 20 | 9.5 | 289 | 18 | 20 | 5.1 | 30-30 | |
| | | | | 96 | 15.3 | 137-30 | | | | | | | | |

2009

At N 8 9' N

1624

At N 8- 9' N

| | | | | | | | | | | | |
|----|-----|-------|--------------------|------|--------|----------|-----|--------|------|------|---------|
| 20 | 78 | 73-30 | 20 | 346 | 105-30 | 14 16 18 | 154 | 101 | 414 | 5.8 | 246- |
| 20 | 81 | 60 | Vert 8' 10.6 08 | 358 | 108 | 18 | 121 | 95 | 12 | 12.2 | 240-30' |
| 20 | 94 | 67 | Vert 8' 08 | 329 | 108 | 18 | 73 | 44-30 | 1.12 | 9.1 | 236-30 |
| 20 | 108 | 70-30 | 8 | 30.3 | 106 | 18 | 21 | 7 30 | 12 | 6.3 | 237-30 |
| 20 | 107 | 80 | 8 | 29.6 | 107 | 18 | 33 | 294 | 12 | 4.1 | 187-30- |
| 20 | 125 | 89-30 | 10 | 28.5 | 102-30 | 16 | 6.0 | 290 | 12 | 4.1 | 154-30 |
| 20 | 129 | 90-30 | 10 | 26.4 | 106-30 | 16 | 4.5 | 299-30 | 12 | 4-9 | 130-30 |
| 20 | 195 | 90 | 10 | 24.1 | 101 | 16 | 5.7 | 279-30 | 12 | 5.2 | 124-30 |
| 20 | 205 | 88-30 | 10 | 22.8 | 109 | 16 | 5.1 | 262-30 | 12 | 6.0 | 104 |
| 20 | 212 | 90 | 16.18 12 | 24.7 | 96-30 | 16 | 1.0 | 171-30 | 12 | 8.3 | 100 |
| 20 | 226 | 89 | 12 | 22.0 | 107-30 | 16 | 2.0 | 97-30 | 12 | 11.3 | 120 |
| 20 | 232 | 90-30 | 14 | 23.6 | 95 | 16 | 2.1 | 113-30 | 12 | 12.9 | 120 |
| 20 | 251 | 82-30 | 14 | 20.9 | 105-30 | 14 16 | 5.8 | 105 | 12 | 15.6 | 110° |
| 20 | 258 | 90 | 14 | 23.3 | 96 | 14 16 | 6.6 | 88 | 10 | 16.7 | 110° |
| 20 | 269 | 90-30 | 16 | 21.6 | 97 | 16 | 7.8 | 73-30 | 10 | 16.3 | 114-30 |
| 20 | 267 | 97.0 | 16 | 21.5 | 91-30 | 14 | 7.8 | 77-30 | 10 | 12.9 | 120 |
| 20 | 307 | 105 | 18 | 19.2 | 98-30 | 10 12 14 | 5.2 | 124-30 | 10 | 12.7 | 126-30 |

| 2009 7 | #6 N8-9' IV | | | | 16.24 | 29.55 | #6 N8 | | | | 25.30 | 71 | |
|-----------|-------------|------|--------|---------------|-------|--------|-------|----|------|--------|-------|------|--------|
| 8 | 10 | 11.1 | 132.30 | 8 | 18.7 | 110 | 20 | 22 | 111 | 114 | 2A | 13.7 | 115.30 |
| | 10 | 5.2 | 124.30 | 8 | 22.7 | 111.30 | ✓ | 22 | 11.5 | 117.30 | 2A | 11.1 | 114 |
| | 10 | 5.0 | 149 | 8 | 24.5 | 114.30 | ✓ | 22 | 14.1 | 120 | 2A | 9.6 | 113 |
| | 10 | 5.3 | 171.30 | #6 N8 | | | ✓ | 22 | 21.3 | 112 | 2A | 3.7 | 103 |
| | 10 | 9.3 | 229 | 29.55 1.25 | | 25.30 | ✓ | 22 | 25.3 | 109 | 2A | 2.0 | 122 |
| Comcast | 10 | 10.2 | 22.30 | 22 | 15.8 | 259 | ✓ | 22 | 26.7 | 105 | 2A | 5. | 25.5 |
| | 8 | 10.7 | 216 | 2A | 15.4 | 260 | ✓ | 22 | 29.6 | 106 | 2A | 4.9 | 266 |
| | 8 | 9.1 | 224 | 22 | 9.8 | 253 | ✓ | 22 | 30.1 | 115 | 2A | 9.5 | 253 |
| | 8 | 6.0 | 191 | 22 | 8.0 | 250 | ✓ | 2A | 30.3 | 110.30 | 2A | 10.7 | 255 |
| | 8 | 6.8 | 174.30 | 22 | 9.8 | 240 | ✓ | 2A | 30.4 | 105 | 2A | 14.6 | 264.30 |
| | 8 | 5.7 | 161.30 | 22 | 9.5 | 234.30 | ✓ | 2A | 28.5 | 105 | 2A | 12.3 | 266 |
| | 8 | 6.9 | 170 | 22 | 6.3 | 241 | ✓ | 2A | 26.6 | 98.30 | 2A | 11.7 | 278 |
| | 8 | 9.7 | 147 | 22 | 3.3 | 227 | ✓ | 2A | 25.8 | 102.30 | 2A | 4.1 | 71 |
| | 8 | 11.1 | 132.30 | 22 | 3.5 | 136 | ✓ | 2A | 23.9 | 106.30 | 2A | 4.3 | 96.30 |
| | 8 | 12.7 | 126.30 | 22 | 3.4 | 114 | ✓ | 2A | 20.9 | 107.30 | 2A | 11.5 | 110 |
| | 8 | 15.6 | 121.30 | 22 | 8.7 | 119.30 | ✓ | 2A | 19.5 | 109 | 2A | 16.2 | 103.30 |
| | 8 | 16.3 | 116.30 | 2A | 9.6 | 113 | ✓ | 2A | 17.9 | 107.30 | 2A | 15.9 | 100 |

9-7-16-

27.55 Ft 178

25.30

511
1126 Ft 178-8' South.

72
110.24

√26 20.8 105

steel 04 37 311.30 √1A 31.6 304

√26 26. 103.30

√04 35 314. √08 26.6 301

√28 20.3 102.30

steel 06 35.5 309 √08 25.9 304

√28 13.9 95

06 35.7 312 √08 24.8 298.30

√28 13.8 99.30

06 33.7 312.30 √04 18 296.30

√28 9.8 103.30

√04 32.6 314.30 √04 16.2 280

28 5.1 90.30

√06 32.1 313 √04 14.8 279.30

√28 4.4 86.30

√04 30 314. √04 12.0 289.

√28 4.5 69.30

04 26.8 310.30 √04 12.1 297.30

32
30 28 7.5 21.30

06 04 25.7 308.30 √04 11.1 305

44
30 28 2.3 353.30

04 10A 23.9 297.30 √04 11.6 307

28 3.7 321.30

10-12-14
04-06-08 √ 22.7 295.30 √04 7.9 357.30

28 7.0 290

√08 33.4 311.30 √04 7.4 38.30

28 12.1 278.30

√08 28.7 308.30 √04 13.6 53.30

28 14.4 271

√08 29.8 303.30 √04 17.0 64.30

5.7
30 2.3 353.30

10-12 √ 32.4 305.30 √04 19.7 78

30 1.5 24.30

√10 33.9 307.30 √04 22.0 71.30

M 18-8' South

410.74

| | | | | | |
|-----------------------|-----------------------|--------|------|------|-----------------------|
| ^{0.8} 0.4 | √26.5 | 77- | √08 | 4.7 | 330- |
| ^{0.8} 0.4 | √27.8 | 79- | √08 | 5.2 | 80- |
| 0.6 | √26.5 | 77- | √08 | 4.7 | 63- |
| 0.6 | √22.8 | 79-30 | √08 | 10.7 | 55- |
| 0.6 | √20.8 | 80- | √08 | 12.1 | 68- |
| 0.6 | √17.5 | 69-30 | √08 | 17.8 | ⁷³⁻ 24- |
| 0.6 | √12.8 | 63- | √08? | 21.3 | 82- |
| 0.6 | √11.7 | 50- | √08 | 22.4 | 77-30 |
| | √7.2 | 45-30 | √08 | 25- | 75-30 |
| | √6.9 | 354- | √08 | 26.5 | 77- |
| | √11.0 | 287 | √08 | 27.8 | 79- |
| | √12.7 | 273 | √10 | 30.8 | 92- |
| ^{0.8} 0.6 | √16.8 | 278 | √10 | 24.7 | 89-30 |
| 0.8 | connected up the bank | | √10 | 15.9 | 81- |
| ^{0.8} 0.8 | √13.3 | 269- | √10 | 10.3 | 78- |
| 0.8 | √10.6 | 268-30 | √10 | 5.5 | 69-30 |
| 0.8 | √8.3 | 294-30 | √10 | 1.9 | 323- |

M 18-8' South

410.74

| | | | | | |
|--------------------------|-------------|--------|--------|------|--------|
| 10 | √3.7 | 327-30 | √12 | 3.5 | 156- |
| 10 | √3.1 | 262-30 | √12 | 5.5 | 129-30 |
| 10 | √13.8 | 257- | √12 | 6.0 | 85-30 |
| 10 | √12.7 | 266- | √12 | 9.2 | 99-30 |
| ¹⁰ 12-19 | connect up- | | | | |
| | √22.3 | 294- | √12 | 11.6 | 86-30 |
| 12 | √22.2 | 286-30 | √12 | 19.0 | 81-30 |
| 14 | √22.5 | 282- | √12 | 18.7 | 87-30 |
| 14 | √21 | 276-30 | √12 | 20.9 | 87-30 |
| ^{connect} 14 | √21.5 | 270- | √12 | 22.6 | 91- |
| 14 | √15.9 | 268 | √12 | 29.5 | 72-30 |
| 12 | √18.9 | 284- | √12 | 27.6 | 101- |
| 12 | √17.6 | 273-30 | √10 | 29.1 | 101- |
| 12 | √15.2 | 271-30 | √12 | 31.3 | 108 |
| 12-14 | √15.7 | 259- | √12-10 | 31.6 | 105-30 |
| 12 | √15- | 247-30 | √14 | 26.3 | 99-30 |
| 12 | √6-3 | 210- | √14 | 16.9 | 91- |
| 12 | √4.4 | 206-30 | √14 | 20.5 | 94-30 |

MT 18-8'S

14 ✓ 20.9 112-
 ✓ 17.0 111
 ✓ 13.7 101-30
 ✓ 11.8 105-
 ✓ 12.2 12.4-
 ✓ 8.8 138-30
 ✓ 10.4 162-30
 ✓ 9.3 187-30
 ✓ 4.7 191-
 ✓ 8.4 210-30
 ✓ 15.8 299-

42432 HI
 610

Point M 18 8' N

74
 419.59

MT 18-8' N 610 ^{H.I.} 42432 4.73
 16 steel 39.0 316.30 16 22.8 70°
 16 conc. 38.3 317 16 25.9 62-30
 16 conc. 22.7 298°30' 16 28.2 67
 16 Rock 20.1 303-30 16 27.8 77
 16 17.3 301-30 18 28.6 77
 16 15.2 298-30 18 25. 78-30
 16 9 322- 18 20.3 74-30
 16 6.5 32330 ^{min 7} 18 27.4 75-30
 16 4.7 356° 18 23.9 73-30
 16 5.5 54-30 18 26.0 71-30
 16 11.5 60° 18 27.9 72-30
 16 12.1 73-30 18 15.8 70-30
 16 14.1 62-30 18 13.0 91
 16 20.3 74-30 18 5.8 87-30
 18 20.3 74-30 18 4.0 63
 16 23.6 76° 18 2.7 19-30

| Area | | | M 18 - 8' N | | | M 18 - 8' N | | | M 18 - 8' N | | |
|------|------|--------|-------------|------|---------|-------------|------|--------|------------------|------|--------|
| 18 | 3.5 | 353° | 18 | 36.0 | 314.30 | 20 | 30.9 | 85° | 22 | 22.9 | 90° |
| 18 | 6.1 | 303° | 18 | 37.2 | 313.30 | 20 | 34.7 | 81° | 22 | 21.1 | 89.30' |
| 18 | 7.1 | 310.30 | 20 | 36.2 | 311.30 | 20 | 37.9 | 84° | 22 | 20.2 | 94.30 |
| 18 | 11.4 | 293° | 20 | 35.3 | 313° | 20 | 42.5 | 83° | 22 | 24.3 | 98° |
| 20 | 11.4 | 293 | 20 | 33.5 | 312° | 20 | 47. | 84° | 22 | 17.7 | 99.30 |
| 18 | 13.6 | 297.30 | 20 | 20.6 | 291.30 | 20 | 48.4 | 86° | 22 | 11.4 | 103.30 |
| 20 | 13.6 | 297.20 | | | | 22 | 47.7 | 87.30' | 22 | 6.2 | 110.30 |
| 18 | 15.1 | 297.30 | 20 | 9.4 | 288.30 | 22 | 47.3 | 85° | 22 | 7.4 | 186.30 |
| 20 | " | " | 20 | 7.2 | 282.30 | 22 | 45.4 | 84.30 | 22 | 7.6 | 204. |
| X 22 | " | " | 20 | 6.7 | 253.0 | 22 | 40.8 | 84° | X 24 26 28 | " | " |
| 18 | 17.5 | 297.30 | 20 | 0.6 | 180° | 22 | 39.4 | 85° | 22 | 6.0 | 220.30 |
| 20 | " | " | 20 | 4.6 | 89° | 22 | 38.9 | 88° | 22 | 6.9 | 236.30 |
| 18 | 19.4 | 295 | 20 | 5.9 | 100° | 22 | 36.2 | 86° | 22 | 6.5 | 246° |
| 18 | 21.2 | 294 | 20 | 15.3 | 106.96° | 22 | 28. | 85.30' | 22 | 7.1 | 260° |
| 20 | " | " | 20 | 16.7 | 82° | 22 | 25.8 | 88° | 24 | 7.1 | 260° |
| X 22 | " | " | 20 | 19.9 | 78° | 22 | 25.4 | 93 | 22 | 10.8 | 273.30 |
| | | | 20 | 23.7 | 81° | 22 | 24.1 | 95.30 | X 24 26 | " | " |

A1432

N18-8'N

A1959

A1432

N18-8'N

47659

| | | | | | |
|----------|-----------------|-------|----|------|---------|
| 22 | 12.6 | 29030 | 24 | 10.5 | 27330 |
| 22 | 15.1 | 29730 | 24 | 9.5 | 262- |
| 22 | 21.2 | 294 | 24 | 9.5 | 243 |
| Concrete | | | | | |
| 22 | 19.7 | 288 | 24 | 6.6 | 22930 |
| Concrete | | | | | |
| 22 | 29.1 | 308 | 24 | 7.6 | 204 |
| Concrete | | | | | |
| 22 | 33.5 | 31030 | 24 | 8.3 | 191 |
| 3/4" | | | | | |
| 24 | 32.3 | 30230 | 24 | 10.7 | 180° |
| Concrete | | | | | |
| 24 | 31.2 | 302° | 24 | 11.7 | 150°30' |
| Concrete | | | | | |
| 24 | 30 | 30030 | 24 | 9.6 | 141° |
| Concrete | | | | | |
| 24 | 29.0 | 29630 | 24 | 8.8 | 117° |
| Concrete | | | | | |
| 24 | 29.0 | 29630 | 24 | 17.2 | 102°30' |
| Concrete | | | | | |
| 24 | 21.3 | 28730 | 24 | 17.8 | 106°30' |
| 24 | " | " | 24 | 20.5 | 102°30' |
| 24 | 18.6 | 28530 | 24 | 25.0 | 100° |
| 24 | 15.8 | 28830 | 24 | 26.0 | 95° |
| 24 | 16.2 | 29430 | 24 | 37.6 | 90° |
| 24 | 16.7 | 28430 | 24 | 42.5 | 92° |

↑
 ↑
 ↑
 ↑
 ↓
 ↓

| | | |
|----|------|--------|
| 24 | 49.7 | 87 |
| 24 | 47 | 88 |
| 24 | 43.8 | 8630 |
| 24 | 45.6 | 85° |
| 24 | 46.9 | 85°30' |

5530°

Sept. 9-1917

Dilley Inst
Fisher-Ped.
Paddock-Hill

438,21

| | | | | | | |
|---------------------|-------|--------|--------|----|--------|-------|
| Conc. | 26 | ✓ 47.3 | 294-30 | 26 | ✓ 20.6 | 44 |
| | | ✓ 45.5 | 296 | | ✓ 24.1 | 53 |
| | | ✓ 44.5 | 294-30 | | ✓ 29.7 | 52-30 |
| | | ✓ 40 | 296 | | ✓ 31.5 | 54 |
| | | ✓ 38.9 | 292-30 | | ✓ 31.5 | 58 |
| | | ✓ 38 | 294 | | ✓ 34.0 | 63-30 |
| | | ✓ 37.2 | 292 | | ✓ 36.5 | 63-30 |
| | | ✓ 32.3 | 293 | | ✓ 40.7 | 72 |
| | | ✓ 28.9 | 291 | 26 | ✓ 51.8 | 77 |
| | | ✓ 27.8 | 288 | 28 | ✓ 49. | 77-30 |
| 26 32 28 34 43 5 | 30 36 | ✓ 27.2 | 283-30 | | ✓ 39.9 | 73-30 |
| 26 | | ✓ 14.2 | 297-30 | | ✓ 39. | 70 |
| | | ✓ 16.5 | 311-30 | | ✓ 36.4 | 68-30 |
| | | ✓ 12.8 | 330 | | ✓ 36.3 | 67 |
| | | ✓ 12.1 | 344 | | ✓ 28.3 | 57-30 |
| | | ✓ 11.9 | 11- | | ✓ 29. | 66 |
| | | ✓ 14.4 | 17- | | ✓ 25.7 | 59 |

485

438,21

PT N-19

| | | | | | | | |
|----|---|--------|--------|----------------|---|--------------|--------|
| 28 | ✓ | 22.6 | 55 | 28 | ✓ | 43.8 | 29.4 |
| | | ✓ 22.8 | 50-30 | 28 | ✓ | 44.9 | 29.3- |
| | | ✓ 19.2 | 44-30 | 30 | ✓ | 44.3 | 291-30 |
| | | ✓ 16.0 | 30 | | ✓ | 42.5 | 292-30 |
| | | ✓ 14.5 | 31 | | ✓ | 42.2 | 290- |
| | | ✓ 9.6 | 335 | | ✓ | 41.2 | 290-30 |
| | | ✓ 8.6 | 320-30 | | ✓ | 40.5 | 289-30 |
| | | ✓ 27.2 | 283-30 | | ✓ | 36.8 | 290-30 |
| | | ✓ 28.7 | 282 | | ✓ | 38.7 | 292-30 |
| | | ✓ 29.2 | 286-30 | | ✓ | 32.3 | 290- |
| | | ✓ 30.4 | 289-30 | | ✓ | 30.8 | 289 |
| | | ✓ 32.4 | 291 | | ✓ | 31.4 | 287-30 |
| | | ✓ 33.2 | 292-30 | 30 26 32 34 | ✓ | 30.3 28.7 | 282 |
| | | ✓ 37.4 | 291-30 | 30 | ✓ | 27.2 | 283-30 |
| | | ✓ 40.7 | 290 | | ✓ | 18.3 | 288. |
| | | ✓ 40.7 | 292 | | ✓ | 16.5 | 284-30 |
| 25 | ✓ | 41.3 | 294 | 30 | ✓ | 10.1 | 303 |

77
433,36

43821

Sept 9-1917

| | | | | | |
|---------------------|-------|--------|---------------|-------|-------|
| 30 ✓ | 6.6 | 353-30 | 30 ✓ | 46.9 | 83-30 |
| ✓ | 6.2 | 14- | 30 ✓ | 49.3 | 81 |
| ✓ | 9.9 | 29 | 32 ✓ | 47.8 | 85-30 |
| ✓ | 13.4 | 29 | ✓ | 45.6 | 84 |
| ✓ | 14.7 | 32-30 | ✓ | 41.8 | 84-30 |
| ✓ | 16.5 | 32-30 | ✓ | 39.8 | 81- |
| ✓ | 18.6 | 44-30 | ✓ | 37.6 | 80- |
| ✓ | 21.6 | 54-30 | ✓ | 35.9 | 75-30 |
| ✓ | 21.6 | 58-30 | ✓ | 34.1 | 74 |
| ✓ | 25.9 | 67 | Point 32 ✓ | 41.2 | 78-30 |
| ✓ | 28.8 | 67 | ✓ | 31.5 | 72-30 |
| ✓ | 30.1 | 72-30 | ✓ | 27.8 | 72-30 |
| 30 32 ✓ | 31.4 | 73- | ✓ | 21.2 | 58-30 |
| 30-32-34 34.1 | 74 | ✓ | 21. | 54 | |
| 30-32-34-36 35.9 | 75-30 | ✓ | 18.7 | 44-30 | |
| ✓ | 39.3 | 74 | ✓ | 16.6 | 42 |
| 30 ✓ | 44.4 | 77- | ✓ | 13.9 | 48 |

Sept 9-1917

78

| | | | | | |
|--------------------------|------|--------|----------|------|----------|
| 32 ✓ | 14.0 | 56 | 32 | 36.9 | 289 |
| 32 ✓ | 12.0 | 55 | 32 | 38.5 | 290 ✓ |
| 32 ✓ | 7.3 | 57- | 32-34-36 | 41.0 | 288- |
| ✓ | 2.8 | 340-30 | 32-34 | 42.3 | 288-30 ✓ |
| ✓ | 4.5 | 324-30 | 32 ✓ | 44.7 | 290 ✓ |
| ✓ | 4.6 | 295 | 34 | 44.3 | 288-30 |
| 32 ✓ | 14.0 | 282-30 | | 43.1 | 288-30 |
| ³² 34-36 ✓ | 17.6 | 279-30 | | 42.3 | 288-30 |
| 32 ✓ | 18.5 | 284-30 | | 41 | 288 |
| ✓ | 22.4 | 280-30 | ✓ | 39.3 | 287 ✓ |
| ✓ | 23.9 | 283-30 | | 38.1 | 287-30 |
| ✓ | 27.2 | 283-30 | | 35.5 | 284-30 ✓ |
| | 30.3 | 282 | | 33.8 | 285 |
| ✓ | 30.7 | 283-30 | | 31.7 | 284 |
| ✓ | 31.4 | 284-30 | | 30.8 | 283 ✓ |
| | 33.3 | 285-30 | | 30.3 | 282 |
| 32 ✓ | 34.7 | 290- | 34 | 27.2 | 283-30 |

9-9-17

438.21

| | | | | | |
|----------|--------|--------|---------------|------|-------|
| 34 | 24 | 283- | 34 ✓ | 15.4 | 77.30 |
| 34-36-38 | 22.9 | 274.30 | ✓ | 15.4 | 81- |
| 34 | 18.9 ✓ | 280.30 | ✓ | 17.5 | 76 |
| 34-36 | 17.6 ✓ | 277.30 | ✓ | 20.4 | 72 |
| 34 | 14.1 ✓ | 277 | 34 ✓ | 16.2 | 76 |
| | 13.2 ✓ | 272.30 | | 15.7 | 70 |
| ✓ | 7.6 | 279 | Ring | 17.2 | 68 |
| ✓ | 7.4 | 270.30 | ✓ | 18.3 | 71 |
| ✓ | 1 | 293° | Top ✓ 35 | 17. | 71.30 |
| ✓ | 1 | 250 | Point 34 ✓ | 20 | 60 |
| ✓ | 4.9 | 89° | 34 ✓ | 32.8 | 79 ✓ |
| ✓ | 5.7 | 76° | 34-32 | 34.1 | 74 |
| ✓ | 8.6 | 81 | 34-32 | 35.9 | 75.30 |
| ✓ | 11.2 | 56-30 | 34 ✓ | 36.5 | 80 |
| | 14.2 | 60 | ✓ | 36.9 | 83.30 |
| 34 | 14.5 | 68.30 | ✓ | 39.3 | 83 |
| 35.5 | 11.7 | 66.30 | 34 | 39.3 | 85 |

9-9-17

79

| | | | | | |
|------|------|--------|---------------|------|--------|
| 34 | 41.5 | 85.30 | 36 ✓ | 8.1 | 2.56 |
| 34 | 43.3 | 86.30 | ✓ | 12.2 | 268.30 |
| 34 | 48- | 89- | ✓ | 13.9 | 268.30 |
| 36 ✓ | 36.2 | 85.30- | ✓ | 15.1 | 273.30 |
| ✓ | 35.5 | 80- | 36 | 17.0 | 277.30 |
| ✓ | 35.4 | 76- | 32 34-36 | 22.9 | 274.30 |
| ✓ | 34.4 | 77 | 36 ✓ | 24 | 274- |
| ✓ | 34.6 | 82 | 36 ✓ | 24.9 | 282 |
| ✓ | 30.0 | 79 | 26 ✓ 32-36 | 27.2 | 283.30 |
| ✓ | 25 | 83 | 26 32-36 ✓ | 30.3 | 283.30 |
| ✓ | 25 | 90 | 36 ✓ | 33.7 | 284 |
| ✓ | 21.5 | 95.30 | ✓ | 37.7 | 282 |
| ✓ | 18.4 | 98.30 | ✓ | 39.7 | 285.30 |
| ✓ | 5.3 | 111.30 | | 41. | 287 |
| ✓ | 3.6 | 141- | 36- | 42.5 | 287 |
| ✓ | 2- | 225- | 26- 38 | 30.3 | 283.30 |
| 36 | 4.6 | 265.30 | 26- 38 | 27.2 | 283.30 |

9-9-17

80

43821

| | | | | | | | | | | | |
|----------|------|--------|-----------------|--------------------|---------|-----------------------|------|-------|-----------------|------------------|--------|
| 38 | 25.9 | 28230 | 38 | 35 | 84 | 40 [✓] | 23.5 | 60-30 | 42 [✓] | 9.3 | 31.30 |
| ✓ | 25.2 | 273- | 42.6.44 5.0 | 19-15 | 45.1.44 | 40 [✓] | 28.2 | 64-30 | 42 [✓] | 8.1 | 342-30 |
| Bl. Tang | 22.9 | 274.30 | 40 | Note use - all 300 | | 40 | 28.9 | 64-30 | 42 [✓] | 9.0 | 325-? |
| ✓ | 16.6 | 274- | 40 [✓] | 23.5 | 313- | 40 [✓] | 43.5 | 69- | 42 [✓] | 11.9 | 320-30 |
| ✓ | 15.3 | 265- | 40 [✓] | 21.6 | 309-30 | 40 [✓] | 45- | 71-30 | 42 [✓] | 18.5 | 302- |
| ✓ | 12.7 | 257- | 40 [✓] | 18.3 | 306- | 42 [✓] | 48.1 | 76-30 | 42 [✓] | 21.1 | 301-30 |
| ✓ | 9.6 | 252- | 40 [✓] | 10.3 | 331- | 42 [✓] | 42.8 | 70- | 42 [✓] | 23.1 | 311- |
| ✓ | 3.7 | 157- | 40 [✓] | 10.2 | 36-30 | 42 [✓] | 40.6 | 73-30 | 42 [✓] | Note same as all | |
| ✓ | 4.6 | 157- | 40 [✓] | 9.2 | 44- | 42 [✓] | 34.3 | 74-30 | 44 [✓] | 36.7 | 301- |
| ✓ | 10.0 | 125.30 | 40 [✓] | 8.3 | 36- | 42 [✓] | 29.0 | 69-30 | 44 [✓] | 33.4 | 301- |
| ✓ | 13.0 | 129- | 40 [✓] | 6.0 | 59-30 | 40 42 [✓] | 19.0 | 64- | 44 [✓] | 30.0 | 304-? |
| ✓ | 14.2 | 109- | 40 [✓] | 11.3 | 63-30 | 42 [✓] | 17.7 | 67-30 | 44 [✓] | 27.0 | 304- |
| ✓ | 20. | 99 | 40 [✓] | 12.0 | 55- | 42 [✓] | 13.2 | 63-30 | 44 [✓] | 24.3 | 309-30 |
| ✓ | 23.8 | 97 | 40 [✓] | 13.6 | 56- | 42 [✓] | 12.8 | 68- | 42 [✓] | 21.1 | 301-30 |
| ✓ | 24.1 | 9430 | 40 [✓] | 15.5 | 62-30 | 42 [✓] | 11.9 | 64- | 44 [✓] | 19.3 | 295 |
| ✓ | 34.4 | 8730 | 40 [✓] | 16.4 | 58-30 | 42 [✓] | 10.5 | 73- | 44 [✓] | 13.3 | 305-30 |
| 38 | 36.4 | 86. | 40 [✓] | 21.2 | 64- | 42 [✓] | 9.8 | 65- | 44 [✓] | 10.6 | 310 |

| | | | | | | | | | | | |
|-------------------|------|----------------------|-------------------------|------|------------------------|-----------------|------|--------|-----------------|------|--------|
| 44 [✓] | 9.8 | 319-30 | 44 [✓] | 45.9 | 79- | 46 [✓] | 15.6 | 301-30 | 48 [✓] | 15.8 | 78- |
| 44 [✓] | 5.4 | 349- | 46 | 46.7 | 72-30 | 46 [✓] | 18.5 | 293- | 48 [✓] | 20.6 | 90-30 |
| 44 [✓] | 8.3 | 23- | 46 [✓] | 31.4 | 78- | 46 [✓] | 22.3 | 298- | 48 [✓] | 25.8 | 81- |
| 44 [✓] | 6.2 | 34-30 | (44 [✓] 46) | 25.9 | 74- | 46 [✓] | 25.0 | 303- | 48 [✓] | 38.8 | 85-30 |
| 44 [✓] | 6.0 | 47-30 | 46 [✓] | 18.5 | 81-30 | 48 [✓] | 25.1 | 300-30 | 50 | 36.7 | 89- |
| 44 [✓] | 3.1 | 81- | 46 [✓] | 11.0 | 89- | 48 [✓] | 23.3 | 299- | 50 [✓] | 33- | 89-30 |
| 44 [✓] | 16.7 | 73- | 46 [✓] | 7.1 | 110-30 | 48 [✓] | 18.6 | 290- | 50 [✓] | 27.5 | 90- |
| 44 [✓] | 12.3 | 72-30 | 46 [✓] | 5.5 | 97-30 | 48 [✓] | 14.0 | 296- | 50 [✓] | 21.5 | 94- |
| Ring [✓] | 10.6 | 69-30 | 46 [✓] | 2.5 | 112-30 | 48 [✓] | 12.8 | 292- | 50 [✓] | 16.9 | 101-30 |
| ↓ [✓] | 11.1 | 65- | 46 [✓] | 3.9 | 48- | 48 [✓] | 9.4 | 294 | 50 [✓] | 13.2 | 115-30 |
| 44 [✓] | 18.2 | ⁶⁷⁻ 67 | 46 [✓] | 4.4 | 25-30 | 48 [✓] | 8.0 | 273-30 | 50 [✓] | 8.8 | 132- |
| 44 | 23.5 | 69-30 | 46 [✓] | 7.1 | 23- | 48 [✓] | 4.8 | 264- | 50 [✓] | 6.7 | 123-30 |
| (46) 44 | 25.4 | 74- | 46 [✓] | 2.9 | ³³⁷⁻³⁰ 2 | 48 [✓] | 3.8 | 287- | 50 [✓] | 4.7 | 137- |
| 44 | 32.7 | 73-30 | 46 [✓] | 5.0 | 328-30 | 48 [✓] | 3.3 | 321-30 | 50 [✓] | 5.0 | 182- |
| 44 | 34.1 | 73- | 48 [✓] 46 | 3.8 | 287- | 48 [✓] | 2.3 | 293- | 50 [✓] | 3.7 | 191- |
| 44 [✓] | 36.5 | 75- | 46 [✓] | 5.8 | 290 | 48 [✓] | 10.3 | 112- | 50 [✓] | 4.2 | 241-30 |
| 44 | 40.8 | 78- | 46 [✓] | 11.5 | 305 | 48 [✓] | 12.8 | 92-30 | 50 | 9.0 | 251-30 |

| | | |
|------|------|--------|
| 50 ✓ | 9.8 | 270-30 |
| 50 ✓ | 10.8 | 290- |
| 50 ✓ | 16.9 | 282-30 |
| 50 ✓ | 19.3 | 289-30 |
| 50 ✓ | 20.5 | 285-30 |
| 50 ✓ | 25.3 | 299 |

HL 48

451.24

AT A 19

446.44

82

| | | | | | |
|---------------------|------|--------|----|------|--------|
| 50 | 21.4 | 99-30 | 50 | 31.7 | 211 |
| 50 | 23.2 | 97-30 | 50 | 32.8 | 215 |
| 50 | 18.6 | 99 | 50 | 34.9 | 216-30 |
| 50 | 15.5 | 93-30 | 50 | 35.6 | 210 |
| 50 | 13.5 | 99 | 50 | 38.1 | 214 |
| 50 | 11.8 | 99-30 | 48 | 37.7 | 218 |
| 50 52 | 9.7 | 101 | 48 | 36.6 | 225 |
| 50 52 | 9 | 102 | 48 | 35.2 | 222 |
| 50 | 6.2 | 116-30 | 48 | 35.2 | 217-30 |
| 50 | 3.3 | 204 | 48 | 31.6 | 222-30 |
| 50 | 7.9 | 193 | 48 | 29.7 | 223-30 |
| 50 | 9 | 206 | 48 | 25 | 223 |
| 50 | 9.5 | 193 | 48 | 20.1 | 215 |
| 50 | 17.2 | 196 | 48 | 17.7 | 219-30 |
| 50 | 17.6 | 202 | 48 | 16.5 | 213 |
| 50 | 19.5 | 205 | 48 | 17.5 | 209-30 |
| 50 | 21.2 | 212 | 48 | 11 | 204-30 |

| 45/24 | A 19 | | 446,44 | 45/24 | A 19 | | 83 446UV | | | | |
|-------------|------|--------|--------|-------|--------|----|-------------|--------|----|------|--------|
| 48 | 5,3 | 231-30 | 46 | 11,3 | 214-30 | 44 | 46,1 | 237-30 | 44 | 3,7 | 308-30 |
| 48 | 3,4 | 248-30 | 46 | 15,4 | 225 | 44 | 43,5 | 231 | 44 | 5,3 | 326 |
| 48 | 2,9 | 125-30 | 46 | 17,3 | 227-30 | 44 | 39,8 | 233 | 44 | 4,3 | 340-30 |
| 48 | 9,6 | 98-30 | 46 | 18,3 | 222 | 44 | 36,8 | 237-30 | 44 | 4,6 | 39 |
| 48 | 15,2 | 90-30 | 46 | 21,5 | 225 | 44 | 33,7 | 237-30 | 44 | 9 | 64 |
| 48 | 18,4 | 94 | 46 | 23,1 | 230 | 44 | 32 | 232 | 44 | 10,5 | 80 |
| 48 | 23,2 | 92-30 | 46 | 26,3 | 228-30 | 44 | 28 | 238-30 | 44 | 16,7 | 84 |
| 46 | 29,2 | 92 | 46 | 26,8 | 234 | 44 | 23,7 | 233-30 | 44 | 18,8 | 78-30 |
| 46 | 25,7 | 90-30 | 46 | 29,7 | 231-30 | 44 | 20,8 | 235-30 | 42 | 22,7 | 76-30 |
| 46 | 23,5 | 90-30 | 46 | 29 | 225-30 | 44 | 14,6 | 226 | 42 | 20,2 | 74 |
| 46 | 19 | 85 | 46 | 31,7 | 230 | 44 | 12,9 | 232 | 42 | 18,1 | 74-30 |
| 46 | 17,3 | 88 | 46 | 33 | 224-30 | 44 | 9,4 | 229-30 | 42 | 13,6 | 81 |
| 46 | 15,1 | 85 | 46 | 36 | 226 | 44 | 9,3 | 234 | 42 | 9,9 | 48-30 |
| 46 | 7,7 | 77-30 | 46 | 37,2 | 225 | 44 | 8 | 249-30 | 42 | 6,9 | 36-30 |
| 46 | 2,3 | 316-30 | 46 | 42,4 | 229-30 | 44 | 7,2 | 254-30 | 42 | 7,4 | 355 |
| steel 46 | 2,5 | 274 | 46 | 44,7 | 227-30 | 44 | 5,8 | 277 | 42 | 6,3 | 337 |
| 46 | 4,9 | 254-30 | | | | 44 | 5,3 | 295 | 42 | 6,5 | 314-30 |

451.24

1919

446.44

451.24

1919

84
446.44

42 5,8 287 40 43,2 242

40 5,8 287 38 13,5 352

40
42 6,3 277-30 40 41 247con
40 9,2 334-30 38 11,5 356

42 8 249-30 40 39 247-30

stuck
40 10,0 364 38 11,8 345

42 7,2 254-30 40 36,3 251

con
40 9,8 355 38 9,5 284

42 11,7 254 40 33,6 250

40 9,4 22,30 38 13,3 288-30

42 14,7 243 40 33,2 253

40 11,3 44-30 38 13,2 297-30

42 16,7 246-30 40 30,8 254

40 14,1 61-30 38 15,4 294

42 26,2 240 40 28-8 248

40 18,0 67 38 16,3 292

42 31,5 242-30 40 18,6 248

40 16,8 76-30 38 18-9 284

42 34,2 245-30 40 16 255-30

38 17,9 65-30 38 17,0 271

42 37,5 244-30 40 17 262-30

38 12,4 51-30 38 20,8 260-30

40
42 39 247-30 40 17-3 269

38 12,8 39-30 38 23,6 258

42 39,1 244-30 40 15-8 272

38 11,5 29 38 25 251-30

42 40,1 239 40 13,5 266-30

38 11,6 10 38 26,9 260

42 46-6 238 40 12,6 272

38 15,5 5 38 27,8 260

40 9,3 263

38 14,8 357 38 31,2 256

40 6,3 277-30

con
38 11,8 356 38 36,9 254

11 6 10

A1.24

A19

AA6.44

A19-73'S

85

| | | | | | | | | | | | |
|-------------|------|--------|-------------|------|--------|----|------|--------|----|------|---------|
| 38 | 40,6 | 255 | | | | 34 | 50,1 | 244-30 | 34 | 21,8 | 259-30 |
| 38 | 41,2 | 249-30 | | | | 34 | 49 | 243 | 34 | 21,0 | 260-30 |
| 38 | 43,6 | 250 | | | | 34 | 48,1 | 240 | 34 | 19,7 | 257-30 |
| A2.10 | | | At A19-13'S | | | 34 | 44,9 | 244-30 | 34 | 16,0 | 258-30 |
| 36 | 7,4 | 100 | 36 | 16,9 | 238-30 | 34 | 39,9 | 247 | 34 | 22,4 | 259 |
| 36 | 3,2 | 88-30 | 36 | 18,3 | 240-30 | 34 | 38 | 244-30 | 34 | 22,5 | 260 |
| 36 | 3,5 | 56-30 | 36 | 14,1 | 253 | 34 | 35,8 | 250 | 34 | 23,5 | 262-30 |
| 36 | 4,6 | 32 | 36 | 16,9 | 248 | 34 | 32,6 | 247 | 34 | 23,7 | 257-30 |
| 36 | 2,6 | 1- | 36 | 20,3 | 248-30 | 34 | 32,2 | 250-30 | 34 | 10,4 | 257 |
| 36 | 5,6 | 345-30 | 36 | 21 | 242 | 34 | 30 | 245 | 34 | 5,9 | 327-30 |
| 36 steel | 3,7 | 324 | 36 | 23,7 | 243-30 | 34 | 27,8 | 251-30 | 34 | 7,4 | 338 |
| 36 con | 4,3 | 310 | 36 | 26,3 | 240-30 | 34 | 26,5 | 246-30 | 34 | 6,8 | 341 |
| 36 con | 4,5 | 282-30 | 36 | 29,6 | 243 | 34 | 25,1 | 249-30 | 34 | 6,8 | 353-30 |
| 36 con | 6 | 277 | 36 | 39 | 239-30 | 34 | 27,1 | 253 | 34 | 3,6 | 18-30 |
| 36 con | 6,5 | 259,30 | 36 | 40 | 243-30 | 34 | 24,9 | 258 | 34 | 4,6 | 35 |
| 36 con | 5,3 | 232 | 36 | 49,5 | 239-30 | 34 | 22,4 | 254 | 34 | 5,6 | 73-30 |
| 36 | 10,9 | 227 | | | | 36 | 20,6 | 256-30 | 34 | 7,3 | 33 P.S. |

A19-13's

A19-13's

80

| | | | | | | | | | | | |
|----|------|--------|--|------|--------|--|---------------------------------------|--------|--------|------|--------|
| 32 | 7,1 | 52 | 32 | 27,8 | 258-30 | 30 | 48,6 | 250-30 | 30 | 28,2 | 267 |
| 32 | 9,2 | 41-30 | 32 | 31,5 | 257-30 | 30 | 46,3 | 252-30 | 30 | 25,0 | 268 |
| 32 | 9,2 | 29 | 32 | 33,5 | 261 | 30 | 47,7 | 252 | 30 | 24,7 | 271 |
| 32 | 10,8 | 20-30 | 32 | 36,5 | 260 | 30 | 49,3 | 254 | 30 | 26,0 | 275 |
| 32 | 12,2 | 350-30 | 32 | 36,9 | 259 | 30 | 50,2 | 255 | 30 | 23,2 | 276 |
| 32 | 12,2 | 346 | 32 | 36,3 | 251 | 30 | 48 | 255 | 30 | 21,4 | 271 |
| 32 | 5,8 | 329-30 | 32 | 38,7 | 256 | { 32 48,5 253 } { 32 49,5 254-30 } { 32 48,8 254 } | 30 | 17,7 | 276 | | |
| 32 | 5,6 | 303-30 | 32 | 40,6 | 258 | | 30 | 10,8 | 267-30 | | |
| 32 | 11,1 | 313-30 | 32 | 40,3 | 253-30 | | 30 | 16,3 | 283-30 | | |
| 32 | 10,3 | 289 | { 34 34,3 255 } { 34 32,2 258 } { 34 33,5 260-30 } | 30 | 46,9 | 256 | { 30 19,2 282-30 } { 30 18,3 281 } | | | | |
| 32 | 12,1 | 276-30 | | 30 | 44,9 | 262 | | | | | |
| 32 | 15,5 | 264 | | 30 | 41,7 | 258-30 | | 30 | 11,6 | 292 | |
| 32 | 18,3 | 267-30 | 34 | 36,3 | 259 | 30 | 41 | 262-30 | 30 | 16,7 | 345-30 |
| 32 | 20,4 | 262-30 | 34 | 33,6 | 259 | 30 | 38,0 | 265 | 30 | 15,2 | 351-30 |
| 32 | 21,7 | 265 | 32 | 43 | 247-30 | 30 | 32,5 | 264 | 30 | 14,8 | 352-30 |
| 32 | 23,2 | 262 | 32 | 48,1 | 248-30 | 30 | 31 | 268-30 | 28 | 17,1 | 355 |
| 32 | 24,8 | 260 | | | | 30 | 28,6 | 270 | 28 | 19 | 355 |

42763

At. 018-12N

| | | | | | |
|----|------|-------|----|------|-------|
| 24 | 5,5 | 8 | 22 | 19,6 | 89 |
| 24 | 8 | 58-30 | 22 | 16,8 | 81 |
| 24 | 14,0 | 81-30 | 22 | 10,7 | 91-30 |
| 24 | 22,3 | 92 | 22 | 9,2 | 61 |
| 24 | 24,6 | 90-30 | 22 | 6,5 | 341 |
| 24 | 31,6 | 92 | 20 | 7,2 | 347 |
| 24 | 34,4 | 93-30 | 20 | 5,8 | 23-30 |
| 24 | 35, | 94-30 | 20 | 8,8 | 53-30 |
| 24 | 37,1 | 94-30 | 20 | 10,6 | 66 |
| 24 | 40,4 | 99-30 | 20 | 11,7 | 72-30 |
| 22 | 41,3 | 99 | 20 | 14,5 | 74-30 |
| 22 | 38,7 | 95-30 | 20 | 18,0 | 80 |
| 22 | 35,3 | 93-30 | 20 | 22,5 | 86-30 |
| 22 | 32,1 | 91-30 | 20 | 27,6 | 88 |
| 22 | 28,4 | 89 | 20 | 29,9 | 89-30 |
| 22 | 26,2 | 90 | 20 | 34,8 | 91-30 |
| 22 | 22,5 | 86-30 | 20 | 34,8 | 90 |

018-12N

87

| | | | | | |
|----|------|-------|----|------|-------|
| 20 | 36,5 | 94 | 16 | 27, | 87-30 |
| 20 | 38,4 | 94-30 | 14 | 27, | 86-30 |
| 20 | 4,1 | 95-30 | 12 | 27, | 81-30 |
| 20 | 41,2 | 98-30 | 10 | 27, | 80 |
| 20 | 43,1 | 99- | 18 | 23,5 | 87 |
| 18 | 43,3 | 98-30 | 18 | 21,7 | 80 |
| 12 | 43,5 | 96-30 | 16 | 21,7 | 96-30 |
| 12 | 43,5 | 95 | 18 | 19,5 | 78 |
| 18 | 41 | 96 | 16 | 19,5 | 77 |
| 16 | 41 | 94 | 18 | 14,5 | 73-30 |
| 18 | 36 | 93 | 16 | 14,5 | 70 |
| 12 | 36 | 90-30 | 14 | 14,5 | 69-30 |
| 10 | 36 | 89-30 | 12 | 14,5 | 64 |
| 10 | 34,6 | 88-30 | 18 | 8-0 | 354 |
| 18 | 31 | 89 | | | |
| 12 | 31 | 86-30 | | | |
| 10 | 31 | 85 | | | |

| 4 Q19 | | | | | | Apr. 24 | | | | | | Q19 | | | | | | Apr 24 88 | | | | | |
|--------------------------------------|------|--------|---------------------|---------------|------------------|---------|------|-------|----|------|--------|-----|------|-------|----|------|--------|-----------|------|-------|----|------|--------|
| 12 | 9,8 | 222-30 | 14 | 23 | 75 | 16 | 12,8 | 37-30 | 18 | 8,1 | 309 | 16 | 12,8 | 37-30 | 18 | 8,1 | 309 | 16 | 12,8 | 37-30 | 18 | 8,1 | 309 |
| 12 | 7,2 | 332- | 14 | 23 | 70-30 | 16 | 19,1 | 49 | 18 | 9,7 | 314 | 16 | 19,1 | 49 | 18 | 9,7 | 314 | 16 | 19,1 | 49 | 18 | 9,7 | 314 |
| 12 | 3,6 | 5-30 | 14 | 22 | 1 67 | 16 | 20,7 | 61 | 20 | 9,6 | 311-30 | 16 | 20,7 | 61 | 20 | 9,6 | 311-30 | 16 | 20,7 | 61 | 20 | 9,6 | 311-30 |
| 12 | 16,7 | 15 | 14 | 20,9 | 57 | 16 | 21,3 | 69 | 20 | 8,3 | 302 | 16 | 21,3 | 69 | 20 | 8,3 | 302 | 16 | 21,3 | 69 | 20 | 8,3 | 302 |
| 10 | 16,6 | 1 | 14 | 19,6 | 51,30 | 16 | 22,9 | 73 | 20 | 4,1 | 315 | 16 | 22,9 | 73 | 20 | 4,1 | 315 | 16 | 22,9 | 73 | 20 | 4,1 | 315 |
| 10 | 6,8 | 346-30 | 14 | 17,7 | 46-30 | 16 | 22,9 | 78-30 | 20 | 2,2 | 42-30 | 16 | 22,9 | 78-30 | 20 | 2,2 | 42-30 | 16 | 22,9 | 78-30 | 20 | 2,2 | 42-30 |
| 12 | 17,6 | 35 | 14 | 14,0 | 26-30 | 16 | 29,3 | 78-30 | 20 | 2,2 | 108 | 16 | 29,3 | 78-30 | 20 | 2,2 | 108 | 16 | 29,3 | 78-30 | 20 | 2,2 | 108 |
| ¹⁰ ¹² 12 | 18,8 | 47 | 14 | 7,3 | 38-30 | 18 | 29,5 | 81 | 20 | 3,5 | 119 | 18 | 29,5 | 81 | 20 | 3,5 | 119 | 18 | 29,5 | 81 | 20 | 3,5 | 119 |
| ¹² 12 | 19,6 | 51-30 | 14 | 4,4 | 38-30 | 18 | 22,4 | 80-30 | 20 | 8,7 | 108 | 18 | 22,4 | 80-30 | 20 | 8,7 | 108 | 18 | 22,4 | 80-30 | 20 | 8,7 | 108 |
| 12 | 21,8 | 58,30 | ¹⁴ 14 | 2,6 | 49 | 18 | 20,2 | 72 | 20 | 8,6 | 80-30 | 18 | 20,2 | 72 | 20 | 8,6 | 80-30 | 18 | 20,2 | 72 | 20 | 8,6 | 80-30 |
| ¹⁴ 12 | 20,7 | 63 | 14 | 9,4 | 317 | 18 | 19,9 | 60 | 20 | 11,4 | 81 | 18 | 19,9 | 60 | 20 | 11,4 | 81 | 18 | 19,9 | 60 | 20 | 11,4 | 81 |
| 12 | 22,0 | 63 | ¹⁶ 14 | 9,4 | 314-30 | 18 | 13,8 | 51-30 | 20 | 12,8 | 68 | 18 | 13,8 | 51-30 | 20 | 12,8 | 68 | 18 | 13,8 | 51-30 | 20 | 12,8 | 68 |
| 12 | 23,4 | 66-30 | 16 | 8,1 | 309-30 | 18 | 11,9 | 61 | 20 | 17,4 | 71-30 | 18 | 11,9 | 61 | 20 | 17,4 | 71-30 | 18 | 11,9 | 61 | 20 | 17,4 | 71-30 |
| 12 | 22,6 | 67-30 | ¹⁶ 18 | 6,6 | 315-30 | 18 | 8,4 | 67-30 | 20 | 16,7 | 78-30 | 18 | 8,4 | 67-30 | 20 | 16,7 | 78-30 | 18 | 8,4 | 67-30 | 20 | 16,7 | 78-30 |
| ¹² 14 | 22,5 | 73 | 16 | 4,2 | 79 | 18 | 6,0 | 99-30 | 20 | 21,9 | 79 | 18 | 6,0 | 99-30 | 20 | 21,9 | 79 | 18 | 6,0 | 99-30 | 20 | 21,9 | 79 |
| 12 | 29,4 | 75 | 16 | 7,0 | 48-30 | 18 | 3,3 | 94 | 20 | 29 | 84-30 | 18 | 3,3 | 94 | 20 | 29 | 84-30 | 18 | 3,3 | 94 | 20 | 29 | 84-30 |
| 14 | 29 | 75-30 | 16 | 10,6 | 47-30 | 18 | 3,1 | 65 | | | | 18 | 3,1 | 65 | | | | 18 | 3,1 | 65 | | | |

| 21 | | At | 2 | 19 | | Ar 24 |
|-----|------|--------|---------------------|------|--------|-------|
| 22 | 29 | 86-30 | 24 | 8,8 | 281-30 | |
| {24 | | | | | | |
| 22 | 26,5 | 86 | 24 | 7,5 | 279 | |
| 22 | 24,1 | 83-30 | 24 | 6,7 | 268 | |
| 22 | 22,5 | 82 | 24 | 6,3 | 279-30 | |
| 22 | 22 | 84 | 24 | 4,5 | 270-30 | |
| 22 | 18,2 | 87 | ²⁶ 24 | 4,7 | 258 | |
| 22 | 18,1 | 89-30 | 24 | 2,2 | 226 | |
| 22 | 10,6 | 94-30 | 24 | 2,9 | 204-30 | |
| 22 | 10,9 | 109-30 | 24 | 3,9 | 147 | |
| 22 | 3,7 | 138-30 | 24 | 5,1 | 150 | |
| 22 | 1,8 | 145 | 24 | 8,3 | 127-30 | |
| 22 | 3,4 | 260 | 24 | 10 | 115 | |
| 22 | 4,7 | 294-30 | 24 | 13,6 | 110-30 | |
| 22 | 9,2 | 286 | 24 | 13,8 | 103 | |
| 24 | 12 | 302 | 24 | 13,3 | 93-30 | |
| 24 | 10 | 291-30 | 24 | 15,4 | 92 | |
| 24 | 10,8 | 286 | 24 | 18,5 | 91 | |

80 =
66
14.3

70.5
73.6
60.
62
72

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 7.0 | 7.2 | 7.3 | 7.5 | 7.6 | 7.8 | 7.9 | 8.1 | 8.2 | 8.4 | 0 |
| 1 | 8.5 | 8.7 | 8.8 | 9.0 | 9.1 | 9.3 | 9.4 | 9.6 | 9.7 | 9.9 | 1 |
| 2 | 10.0 | 10.2 | 10.3 | 10.5 | 10.6 | 10.8 | 10.9 | 11.1 | 11.2 | 11.4 | 2 |
| 3 | 11.5 | 11.7 | 11.8 | 12.0 | 12.1 | 12.3 | 12.4 | 12.6 | 12.7 | 12.9 | 3 |
| 4 | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 | 13.8 | 13.9 | 14.1 | 14.2 | 14.4 | 4 |
| 5 | 14.5 | 14.7 | 14.8 | 15.0 | 15.1 | 15.3 | 15.4 | 15.6 | 15.7 | 15.9 | 5 |
| 6 | 16.0 | 16.2 | 16.3 | 16.5 | 16.6 | 16.8 | 16.9 | 17.1 | 17.2 | 17.4 | 6 |
| 7 | 17.5 | 17.7 | 17.8 | 18.0 | 18.1 | 18.3 | 18.4 | 18.6 | 18.7 | 18.9 | 7 |
| 8 | 19.0 | 19.2 | 19.3 | 19.5 | 19.6 | 19.8 | 19.9 | 20.1 | 20.2 | 20.4 | 8 |
| 9 | 20.5 | 20.7 | 20.8 | 21.0 | 21.1 | 21.3 | 21.4 | 21.6 | 21.7 | 21.9 | 9 |
| 10 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 | 22.8 | 22.9 | 23.1 | 23.2 | 23.4 | 10 |
| 11 | 23.5 | 23.7 | 23.8 | 24.0 | 24.1 | 24.3 | 24.4 | 24.6 | 24.7 | 24.9 | 11 |
| 12 | 25.0 | 25.2 | 25.3 | 25.5 | 25.6 | 25.8 | 25.9 | 26.1 | 26.2 | 26.4 | 12 |
| 13 | 26.5 | 26.7 | 26.8 | 27.0 | 27.1 | 27.3 | 27.4 | 27.6 | 27.7 | 27.9 | 13 |
| 14 | 28.0 | 28.2 | 28.3 | 28.5 | 28.6 | 28.8 | 28.9 | 29.1 | 29.2 | 29.4 | 14 |
| 15 | 29.5 | 29.7 | 29.8 | 30.0 | 30.1 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 | 15 |
| 16 | 31.0 | 31.2 | 31.3 | 31.5 | 31.6 | 31.8 | 31.9 | 32.1 | 32.2 | 32.4 | 16 |
| 17 | 32.5 | 32.7 | 32.8 | 33.0 | 33.1 | 33.3 | 33.4 | 33.6 | 33.7 | 33.9 | 17 |
| 18 | 34.0 | 34.2 | 34.3 | 34.5 | 34.6 | 34.8 | 34.9 | 35.1 | 35.2 | 35.4 | 18 |
| 19 | 35.5 | 35.7 | 35.8 | 36.0 | 36.1 | 36.3 | 36.4 | 36.6 | 36.7 | 36.9 | 19 |
| 20 | 37.0 | 37.2 | 37.3 | 37.5 | 37.6 | 37.8 | 37.9 | 38.1 | 38.2 | 38.4 | 20 |
| 21 | 38.5 | 38.7 | 38.8 | 39.0 | 39.1 | 39.3 | 39.4 | 39.6 | 39.7 | 39.9 | 21 |
| 22 | 40.0 | 40.2 | 40.3 | 40.5 | 40.6 | 40.8 | 40.9 | 41.1 | 41.2 | 41.4 | 22 |
| 23 | 41.5 | 41.7 | 41.8 | 42.0 | 42.1 | 42.3 | 42.4 | 42.6 | 42.7 | 42.9 | 23 |
| 24 | 43.0 | 43.2 | 43.3 | 43.5 | 43.6 | 43.8 | 43.9 | 44.1 | 44.2 | 44.4 | 24 |
| 25 | 44.5 | 44.7 | 44.8 | 45.0 | 45.1 | 45.3 | 45.4 | 45.6 | 45.7 | 45.9 | 25 |
| 26 | 46.0 | 46.2 | 46.3 | 46.5 | 46.6 | 46.8 | 46.9 | 47.1 | 47.2 | 47.4 | 26 |
| 27 | 47.5 | 47.7 | 47.8 | 48.0 | 48.1 | 48.3 | 48.4 | 48.6 | 48.7 | 48.9 | 27 |
| 28 | 49.0 | 49.2 | 49.3 | 49.5 | 49.6 | 49.8 | 49.9 | 50.1 | 50.2 | 50.4 | 28 |
| 29 | 50.5 | 50.7 | 50.8 | 51.0 | 51.1 | 51.3 | 51.4 | 51.6 | 51.7 | 51.9 | 29 |
| 30 | 52.0 | 52.2 | 52.3 | 52.5 | 52.6 | 52.8 | 52.9 | 53.1 | 53.2 | 53.4 | 30 |
| 31 | 53.5 | 53.7 | 53.8 | 54.0 | 54.1 | 54.3 | 54.4 | 54.6 | 54.7 | 54.9 | 31 |
| 32 | 55.0 | 55.2 | 55.3 | 55.5 | 55.6 | 55.8 | 55.9 | 56.1 | 56.2 | 56.4 | 32 |
| 33 | 56.5 | 56.7 | 56.8 | 57.0 | 57.1 | 57.3 | 57.4 | 57.6 | 57.7 | 57.9 | 33 |
| 34 | 58.0 | 58.2 | 58.3 | 58.5 | 58.6 | 58.8 | 58.9 | 59.1 | 59.2 | 59.4 | 34 |
| 35 | 59.5 | 59.7 | 59.8 | 60.0 | 60.1 | 60.3 | 60.4 | 60.6 | 60.7 | 60.9 | 35 |
| 36 | 61.0 | 61.2 | 61.3 | 61.5 | 61.6 | 61.8 | 61.9 | 62.1 | 62.2 | 62.4 | 36 |

Calculated by Julien A. Hall, M. Am. Soc. C. E.