Return to City Engineers Office
City Hall, San Diego, Cal.

483

400

LEVEL

F.B. 483

Return to City Engineers Office
City Hall, San Diego, Cal.

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

*Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.*

| MINUTES. | LKS. | MINUTES. | LKS. | MINUTES. | LKS. |
|---|---|---|---|---|---|
| 1 | 2⅓ | 21 | 49 | 41 | 95⅔ |
| 2 | 4⅔ | 22 | 51⅓ | 42 | 98 |
| 3 | 7 | 23 | 53⅔ | 43 | 100⅓ |
| 4 | 9⅓ | 24 | 56 | 44 | 102⅔ |
| 5 | 11⅔ | 25 | 58⅓ | 45 | 105 |
| 6 | 14 | 26 | 60⅔ | 46 | 107⅓ |
| 7 | 16⅓ | 27 | 63 | 47 | 109⅔ |
| 8 | 18⅔ | 28 | 65⅓ | 48 | 112 |
| 9 | 21 | 29 | 67⅔ | 49 | 114⅓ |
| 10 | 23⅓ | 30 | 70 | 50 | 116⅔ |
| 11 | 25⅔ | 31 | 72⅓ | 51 | 119 |
| 12 | 28 | 32 | 74⅔ | 52 | 121⅓ |
| 13 | 30⅓ | 33 | 77 | 53 | 123⅔ |
| 14 | 32⅔ | 34 | 79⅓ | 54 | 126 |
| 15 | 35 | 35 | 81⅔ | 55 | 128⅓ |
| 16 | 37⅓ | 36 | 84 | 56 | 130⅓ |
| 17 | 39⅔ | 37 | 86⅓ | 57 | 133 |
| 18 | 42 | 38 | 88⅔ | 58 | 135⅓ |
| 19 | 44⅓ | 39 | 91 | 59 | 137⅔ |
| 20 | 46⅔ | 40 | 93⅓ | 60 | 140 |

MICROFILMED DEC 1 1964

## TABLE FOR RUNNING ON SLOPES.

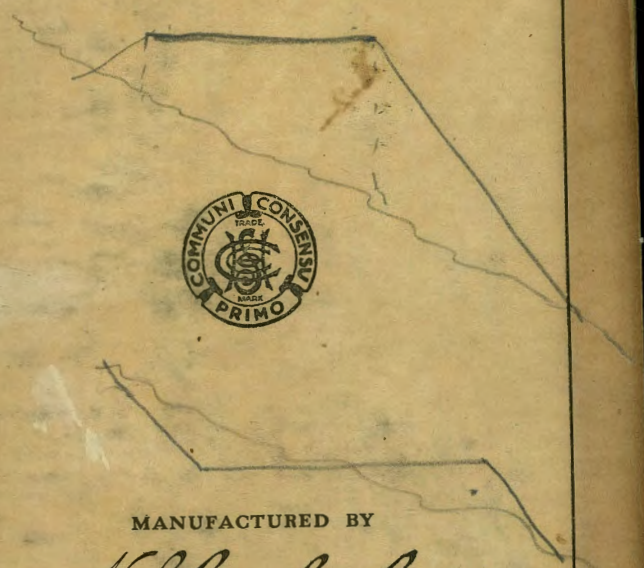
*In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.*

| ANGLE | COR. IN LINKS | ANGLE | COR. IN LINKS | ANGLE | COR. IN LINKS | ANGLE | COR. IN LINKS |
|---|---|---|---|---|---|---|---|
| ° | | ° | | ° | | ° | |
| 4 | 0.24 | 11 | 1.88 | 18 | 5.14 | 25 | 10.54 |
| 5 | 0.38 | 12 | 2.24 | 19 | 5.76 | 26 | 11.26 |
| 6 | 0.55 | 13 | 2.63 | 20 | 6.42 | 27 | 12.24 |
| 7 | 0.76 | 14 | 3.06 | 21 | 7.11 | 28 | 13.37 |
| 8 | 0.98 | 15 | 3.53 | 22 | 7.85 | 29 | 14.34 |
| 9 | 1.24 | 16 | 4.02 | 23 | 8.64 | 30 | 15.47 |
| 10 | 1.55 | 17 | 4.56 | 24 | 9.47 | 35 | 22.07 |

Crocker Quality

# LEVEL BOOK

No. 400



COMMUNI CONSENSU PRIMO TRADE MARK

MANUFACTURED BY

H. S. Crocker Co.

SAN FRANCISCO
and
SACRAMENTO

x-section Grand Ave (Pac. Beach) Lamont To 9/13 Dunkle
E.L. Pac. Beach Add. Grand Ave 125' wide 20' sidewalk 2.09 Shaw
B.M. Grass. plg N.E. Lamont & Grand. 50.37 Dezil
B.M. 1.06 51.43

x-sec "A" see sketch Page 3

| | | |
|---|---|---|
| N | 1.7 | 49.7 |
| crb | 2.1 | 49.3 |
| 1/4 | 2.6 | 48.8 |
| +21 = 2' N. of N. rail. of N. Track | 2.1 | 49.3 |
| M of St. | 2.1 | |
| +4 = ctr track | 2.1 | |
| +9 = 2' S. of S. rail of N. Track | 2.2 | 49.2 |
| 1/4 | 2.5 | 48.9 |
| +6 = 2' N of N rail of S. track | 3.7 | 47.7 |
| +11 = ctr Track | 2.8 | 48.6 |
| +15 = 2 S of S rail of S. track | 3.6 | 47.8 |
| crb | 3.8 | 47.6 |
| S | 4.2 | 47.2 |

POSTED

x-sec "B"

| | | |
|---|---|---|
| S | 4.1 | 47.3 |
| crb | 4.1 | 47.3 |
| +3 = 2' S of S. rail | 3.9 | 47.5 |
| +8 = ctr Track | 3.1 | 48.3 |
| +12 = 2 N. of N. R. | 4.0 | 47.4 |
| 1/4 | 2.8 | 46.6 |
| +15 = 2 S. of S. R. | 2.2 | 49.2 |
| +19 ctr | 2.1 | 49.3 |
| M | 1.9 | 49.5 |
| +2 = 2 N of N. R. | 2.0 | 49.4 |
| 1/4 | 2.7 | 48.7 |
| crb | 2.4 | 49.0 |
| N | 1.7 | 49.7 |



0+25 E of x-sec "B"

| | | |
|---|---|---|
| N | 1.4 | 50.0 |
| crb | 2.1 | 49.3 |
| 1/4 | 2.6 | 48.8 |
| +19 = 2 N of rail | 3.0 | 48.4 |
| M | 2.4 | |
| +2 = ctr track | 2.4 | |
| +7 = 2' S of R | 2.9 | 48.5 |
| 1/4 | 3.3 | 48.1 |
| +15 = 2' N of R. | 4.1 | 47.3 |
| +18 = ctr Track | 3.4 | 48.0 |
| crb. | 3.9 | |
| +2 = 2' S of R. | 4.2 | 47.2 |
| S | 4.5 | 46.9 |

POSTED

0+50 E

| | | |
|---|---|---|
| S | 4.4 | 47.0 |
| +12 = 2 S of S. rail | 4.5 | 46.9 |
| +17 = ctr Track | 3.6 | |
| crb | 4.4 | |
| +1 = 2 N of R. | 4.4 | 47.0 |
| 1/4 | 3.8 | 47.6 |
| +15 = 2 S of Rail | 3.1 | 48.3 |
| +19 = ctr Track | 2.6 | |
| M | 2.8 | |
| +2 = 2 N of N. rail | 3.2 | 48.2 |
| 1/4 | 2.8 | 48.6 |
| crb | 2.9 | 48.5 |
| N | 1.7 | 49.7 |

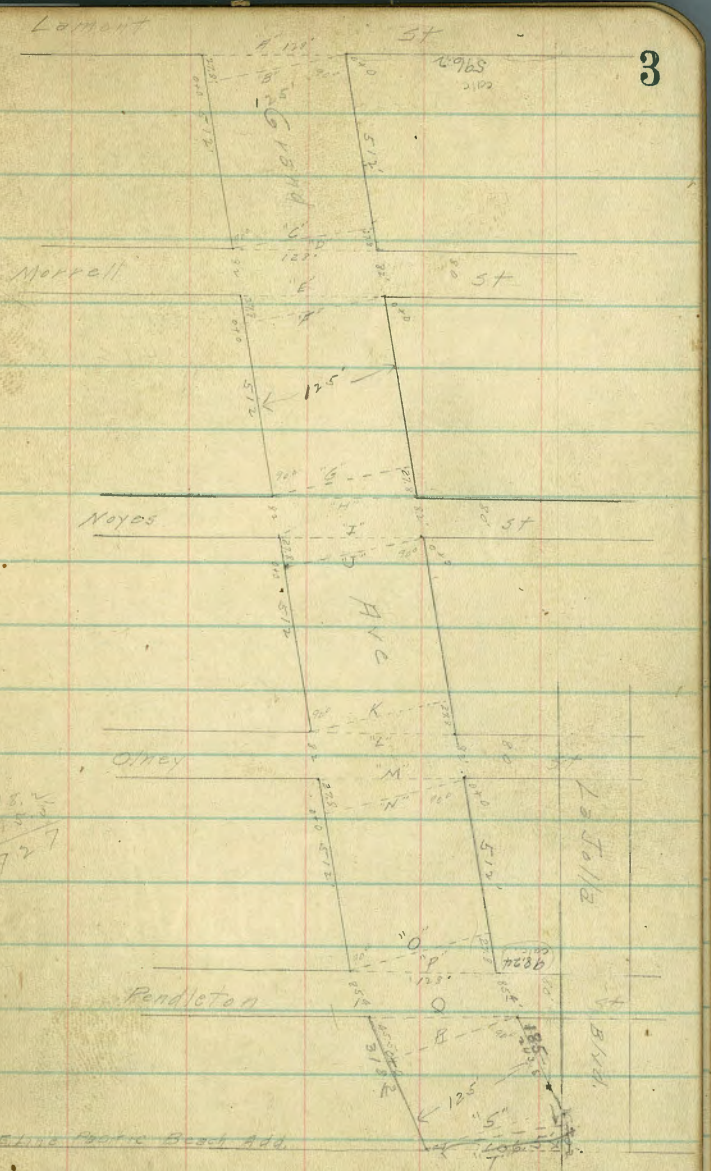
51.43

10+75 E.

| | | |
|---|---|---|
| N | 2.2 | 49.2 |
| Crb | 3.4 | 48.0 |
| 1/4 | 3.6 | 47.8 |
| +19=2' N of R | 3.5 | 47.9 |
| M of St. | 3.1 | |
| +2=ctr track | 2.7 | |
| +7=2 S of rail | 3.4 | 48.0 |
| 1/4 | 4.2 | 47.2 |
| Crb | 4.3 | 47.1 |
| +8=2 N of rail | 4.7 | 46.7 |
| +10=ctr track | 3.9 | |
| +15=2 S of R | 4.6 | 46.8 |
| S | 3.4 | 48.0 |

140

| | | |
|---|---|---|
| S | 5.1 | 46.3 |
| +1=2 S of rail | 4.2 | 47.2 |
| +6=ctr track | 4.2 | |
| +11=2' N of R | 4.9 | 46.5 |
| Crb | 4.7 | 46.7 |
| 1/4 | 4.0 | 47.4 |
| +15=2 S of R | 3.7 | 47.7 |
| +19=8' N. T. | 3.2 | |
| M | 3.4 | |
| +2=2 N of R. | 3.8 | 47.6 |
| 1/4 | 4.1 | 47.3 |
| Crb | 3.8 | 47.6 |
| N | 3.0 | 48.4 |



| | | | |
|---|---|---|---|
| | 51.43 | | |
| | 1+25 | | |
| N | | | |
| crb | | 3.2 | 48.2 |
| | | 3.9 | 47.5 |
| "4 | | 4.4 | 47.0 |
| + 19 = 2' N of rail | | 4.1 | 47.3 |
| N of St. | | 3.6 | |
| + 2 = ctr. T. | | 3.5 | |
| + 9 = 2' S of rail | | 3.9 | 47.5 |
| "9 | | 3.8 | 47.6 |
| crb | | 4.8 | 46.6 |
| + 16 = 2' N. of N. rail | | 5.3 | |
| S.L. = ctr. Track | | 4.5 | |
| | 1+50 | | |
| S.L. | | 5.8 | 45.6 |
| crb | | 4.9 | 46.5 |
| "4 | | 4.3 | 47.1 |
| + 15 = 2' S. of rail | | 4.1 | 47.3 |
| + 19 = ctr. Track | | 3.7 | |
| N | | 3.8 | |
| + 5 = 2' N. of N. rail switch | | 4.5 | 46.9 |
| "9 | | 4.6 | 46.8 |
| crb | | 4.2 | 47.0 |
| N | | 3.4 | 48.0 |

| | | | |
|---|---|---|---|
| | 1+75 | | |
| N | | | |
| crb | | 3.6 | 47.8 |
| "9 | | 4.4 | 47.0 |
| + 14 = 2' N of N. rail switch | | 4.7 | 46.7 |
| N | | 4.8 | 46.6 |
| + 2 = ctr. Main track | | 3.9 | |
| + 7 = 2' S of R | | 3.9 | 47.5 |
| "4 | | 4.2 | 47.2 |
| crb | | 4.7 | 46.7 |
| S | | 5.2 | 46.2 |
| | | 4.7 | 46.7 |
| | 2+0 | | |
| S | | 5.1 | 46.3 |
| crb | | 5.3 | 46.1 |
| "9 | | 5.0 | 46.4 |
| + 15 = 2' S of R | | 4.6 | 46.8 |
| + 19 = ctr. Main track | | 4.0 | |
| N | | 4.1 | |
| + 11 = 2' N of N. rail switch | | 4.9 | 46.5 |
| "4 | | 4.8 | 46.6 |
| crb | | 4.7 | 46.7 |
| N | | 3.6 | 47.8 |

51.43

2+25

| | | |
|---|---|---|
| N | | |
| crb | 3.9 | 47.5 |
| "9 | 4.8 | 46.6 |
| +5 = 2 N. of N. R. switch | 4.8 | 46.6 |
| +10 = ctr. switch | 4.9 | 46.5 |
| +14 = 2' S of S. R. switch | 4.7 | |
| +19 = 2' N. of N. rail | 5.0 | 46.4 |
| M | 4.9 | 46.5 |
| +2 = ctr track | 4.4 | " |
| +7 = 2 S. of S. R. | 9.3 | |
| "4 | 4.9 | 46.5 |
| crb | 6.1 | 45.3 |
| S | 5.8 | 45.6 |
| | 5.3 | 46.1 |

2+50

| | | |
|---|---|---|
| S | | |
| crb | 6.0 | 45.4 |
| "4 | 6.0 | 45.4 |
| +15 = 2 S of R | 6.2 | 45.2 |
| +19 = ctr track | 5.1 | 46.3 |
| M | 4.4 | |
| +2 = 2' N | 4.6 | |
| +12 = 2 S. of S. Rail switch | 5.0 | 46.4 |
| +16 = ctr switch | 5.1 | 46.3 |
| "4 = 2' N of " | 4.8 | |
| crb | 5.1 | 46.1 |
| +1 | 5.0 | 46.4 |
| N | 4.1 | 47.3 |
| | 4.2 | 47.2 |

2+75

| | | |
|---|---|---|
| N | | |
| +18 | 4.1 | 47.3 |
| crb | 4.3 | 47.1 |
| +14 = 2' N. switch | 5.1 | 46.3 |
| +18 = ctr " " | 4.9 | 46.5 |
| "4 | 4.8 | |
| +2 = 2' S " " | 5.1 | |
| +19 = 2' N. rail | 5.1 | 46.3 |
| M | 5.3 | 46.1 |
| +2 = ctr T. | 4.9 | |
| +7 = 2' S of R. | 4.7 | |
| "4 | 5.3 | 46.1 |
| crb | 6.1 | 45.3 |
| S | 6.4 | 45.0 |
| | 6.5 | 44.9 |

3+0

| | | |
|---|---|---|
| S | | |
| crb | 6.2 | 45.2 |
| "4 | 6.7 | 44.7 |
| +15 2 S | 6.2 | 45.2 |
| +19 ctr | 5.6 | 45.8 |
| M | 4.9 | |
| +2 = 2' N | 4.9 | |
| "4 | 5.7 | 45.7 |
| +6 = 2 S of R | 5.1 | 46.3 |
| +10 ctr switch | 5.1 | 46.3 |
| +14 = 2' N. R. | 4.7 | |
| crb | 4.8 | 46.6 |
| +2 | 5.4 | 46.0 |
| N | 4.3 | 47.1 |
| | 4.2 | 47.4 |

51.43

3+25

| | | |
|---|---|---|
| N | 4.1 | 47.3 |
| crb = 2' N. R. | 4.5 | 46.9 |
| + 4 = ctr switch | 4.7 | |
| + 8 = 2 S of R. | 5.0 | 46.4 |
| 1/4 | 5.4 | 46.0 |
| + 19 = 2' N. | 5.7 | 45.7 |
| M | 5.3 | |
| + 2 = ctr Track. | 5.1 | |
| + 7 = 2' S | 5.7 | 45.7 |
| 1/4 | 6.2 | 45.2 |
| crb | 6.8 | 44.6 |
| S | 6.3 | 45.1 |

3+50

| | | |
|---|---|---|
| S | 7.0 | 44.4 |
| crb | 7.0 | 44.4 |
| 1/4 | 6.2 | 45.2 |
| + 15 = 2' S | 5.9 | 45.5 |
| + 19 ctr. T. | 5.3 | |
| M | 5.5 | |
| + 2 = 2' N. | 5.7 | 45.7 |
| 1/4 | 5.8 | 45.6 |
| + 19 = 2 S. of R. | 5.4 | 46.0 |
| crb | 5.0 | |
| + 2 = ctr | 4.8 | |
| + 6 = 2 N. rail | 4.4 | 47.0 |
| N | 4.0 | 47.4 |

3+75

| | | |
|---|---|---|
| N | 3.9 | 47.5 |
| + 8 = 2' N. Rail | 4.4 | 47.0 |
| + 12 = ctr switch | 4.8 | |
| + 16 = 2 S of Rail | 5.2 | 46.2 |
| crb | 5.4 | 46.0 |
| 1/4 | 5.4 | 46.0 |
| + 19 = 2 N | 5.7 | 45.7 |
| M | 5.6 | |
| + 2 = ctr | 5.5 | |
| + 7 = 2 S. of R. | 6.0 | 45.4 |
| 1/4 | 6.4 | 45.0 |
| crb | 7.1 | 44.3 |
| S | 7.1 | 44.3 |

4+0

| | | |
|---|---|---|
| S | 7.6 | 43.8 |
| crb | 7.3 | 44.1 |
| 1/4 | 6.7 | 44.7 |
| + 15 = 2 S | 6.1 | 45.3 |
| + 19 = ctr. T. | 5.5 | |
| M | 5.7 | |
| + 2 = 2' N | 6.0 | 45.4 |
| 1/4 | 5.9 | 45.5 |
| crb | 5.5 | 45.9 |
| + 6 = 2' S. of rail | 5.3 | 46.1 |
| + 10 ctr | 5.0 | |
| + 14 2' N | 4.8 | 46.6 |
| N | 4.1 | 47.3 |

POSTED

Grade & 11 streets intersecting at T. Grade of these streets are taken at 20' with 60 ft.

Note! - All cross streets have 20' side walks where that are specified.

5143

| | | | |
|---|---|---|---|
| 4+25 | | | |
| N | 4.3 | 47.1 | |
| + 3 = 2' N | 4.9 | 46.5 | |
| + 7 = ctr switch | 5.1 | | |
| + 11 = 2' S | 5.5 | 45.9 | |
| crk | 5.8 | 45.6 | |
| 1/4 | 6.0 | 45.4 | |
| + 19 = 2' N | 6.1 | 45.3 | |
| M M | 5.6 | | |
| + 2 = ctr Track | 5.6 | | |
| + 7 = 2' S | 6.1 | 45.3 | |
| 1/4 | 7.2 | 44.2 | |
| crk | 7.5 | 43.9 | |
| S | 8.1 | 43.3 | |
| 4+50 | | | |
| S | 8.1 | 43.3 | |
| crk | 7.6 | 43.8 | |
| 1/4 | 7.4 | 44.0 | |
| + 15 = 2' S | 6.2 | 45.2 | |
| + 19 = ctr Track | 5.6 | | |
| M | 5.7 | | |
| + 2 = 2' N | 6.2 | 45.2 | |
| 1/4 | 6.2 | 45.2 | |
| crk | 5.8 | 45.6 | |
| + 8 = 2' S | 5.6 | 45.8 | |
| + 12 = ctr switch | 5.2 | | |
| + 16 = 2' N | 4.7 | 46.7 | |
| N | 4.1 | 47.3 | |

| | | | | |
|---|---|---|---|---|
| 4+84 2 = x-sec "C" | | | | |
| N | | 4.3 | 47.1 | |
| + 3 = 2' N | | 4.5 | 46.6 | |
| + 7 = ctr | | 5.3 | | |
| + 11 = x S of switch | | 5.9 | 45.6 | |
| crk | | 6.1 | 45.3 | |
| 1/4 | | 6.3 | 45.1 | |
| + 19 = 2' N | | 6.2 | 45.2 | |
| M | | 6.0 | | |
| + 2 = ctr | | 5.9 | | |
| + 7 = 2' S | | 6.4 | 45.0 | |
| 1/4 | | 7.5 | 43.9 | |
| crk | | 7.9 | 43.5 | |
| S | | 7.9 | 43.5 | |
| M.L. Morrell = x-sec "D" | | | | |
| S | | 7.9 | 43.5 | |
| crk | | 7.8 | 43.6 | |
| 1/4 | | 7.1 | 44.3 | |
| + 15 = 2' S | | 6.6 | 44.8 | |
| + 19 = ctr Track | | 5.9 | | |
| M | | 6.0 | | |
| + 2 = 2' N | | 6.2 | 45.2 | |
| 1/4 | | 6.4 | 45.0 | |
| crk | | 6.2 | 45.2 | |
| + 5 = 2' S | | 6.1 | 45.3 | |
| + 9 = ctr switch | | 5.6 | | |
| + 13 = 2' N | | 5.0 | 46.2 | |
| N | | 4.9 | 46.5 | |
| T.P. | 3.07 | 49.66 | 4.89 | 46.59 |

49.66

W. Curb Morrell St

| | | |
|---|---|---|
| N | 3.0 | 46.7 |
| +9 = 2' N. of N. rail | 3.6 | 46.1 |
| +13 = ctr switch | 4.1 | |
| +17 = 2' S | 4.3 | 45.4 |
| Crb | 4.4 | 45.3 |
| 1/4 | 4.8 | 44.9 |
| +19 = 2' N | 4.6 | 45.1 |
| M | 4.4 | |
| +2 = ctr | 4.4 | 45.3 |
| +7 = 2' S | 4.9 | 44.8 |
| 1/4 | 5.9 | 43.8 |
| Crb | 6.0 | 43.7 |
| S | 6.4 | 43.3 |

W 1/4

| | | |
|---|---|---|
| S | 6.4 | 43.3 |
| Crb | 6.0 | 43.7 |
| 1/4 | 5.5 | 44.2 |
| +15 = 2' S | 4.7 | 45.0 |
| +19 = ctr | 4.3 | |
| M | 4.3 | |
| +2 = 2' N | 4.3 | 45.4 |
| 1/4 | 4.3 | 45.4 |
| Crb | 4.3 | 45.4 |
| +1 = 2' S | 4.2 | 45.5 |
| +6 = ctr | 4.2 | |
| +10 = 2' N | 3.8 | 45.9 |
| N | 3.0 | 46.7 |

Center

| | | |
|---|---|---|
| N | 2.9 | 46.8 |
| +13 = 2' N | 4.0 | 45.7 |
| ++18 = ctr | 4.3 | |
| Crb | 4.4 | |
| +2 = 2' S | 4.4 | 45.3 |
| 1/4 | 4.4 | 45.3 |
| +19 = 2' N | 4.2 | 45.5 |
| M | 4.1 | |
| +2 = ctr | 4.2 | 45.5 |
| +7 = 2' S | 4.3 | 45.4 |
| 1/4 | 5.0 | 44.7 |
| Crb | 6.2 | 43.5 |
| S | 6.3 | 43.4 |

E 1/4

| | | |
|---|---|---|
| S | 6.3 | 43.4 |
| Crb | 6.2 | 43.5 |
| 1/4 | 5.3 | 44.4 |
| +15 = 2' S | 4.4 | 45.3 |
| +19 = ctr | 4.3 | |
| M | 4.2 | |
| +2 = 2' N | 4.3 | 45.4 |
| 1/4 | 4.5 | 45.2 |
| +17 = 2' S | 4.4 | 45.3 |
| Crb | 4.3 | |
| +1 = ctr switch | 4.3 | |
| +5 = 2 N | 4.2 | 45.5 |
| N | 3.1 | 46.6 |

49.66

E. curb

| | | |
|---|---|---|
| N | 3.1 | 46.6 |
| +18 = 2' N | 4.2 | 45.5 |
| crb | 4.3 | |
| +2 = ctr | 4.4 | |
| +7 = 2' S | 4.5 | 45.2 |
| 1/4 | 4.7 | 45.0 |
| +19 = 2' N | 4.5 | 45.2 |
| M | 4.3 | |
| +2 = ctr | 4.3 | |
| +7 = 2' S | 4.5 | 45.2 |
| 1/4 | 5.5 | 44.2 |
| crb | 6.2 | 43.5 |
| S | 6.5 | 43.2 |

E. L. Morrell = 1-sec "E"

| | | |
|---|---|---|
| S | 5.7 | 44.0 |
| crb | 6.2 | 43.5 |
| 1/4 | 5.8 | 43.9 |
| +15 = 2' S | 5.0 | 44.7 |
| +19 = ctr | 4.5 | |
| M | 4.5 | |
| +2 = 2' N | 5.0 | 44.7 |
| 1/4 | 4.7 | 45.0 |
| +9 = 2' S | 4.7 | 45.0 |
| +14 = ctr switch | 4.6 | |
| +5 = 2' N | 4.6 | 45.1 |
| crb | 4.4 | 45.3 |
| +15 | 4.2 | 45.5 |
| N | 3.0 | 46.7 |

1-sec "F"

| | | |
|---|---|---|
| N | 3.0 | 46.7 |
| +5 | 4.2 | 45.5 |
| crb | 4.5 | 45.2 |
| +5 = 2' N | 4.6 | 45.3 |
| +10 ctr | 4.6 | |
| +15 = 2' S | 4.8 | 44.9 |
| 1/4 | 4.9 | 44.8 |
| +19 = 2' N | 5.1 | 44.6 |
| M | 4.6 | |
| +2 = ctr | 4.5 | |
| +7 = 2' S | 5.0 | 44.7 |
| 1/4 | 6.1 | 43.6 |
| crb | 6.2 | 43.5 |
| S | 6.0 | 43.7 |

0.475' E. of 1-sec "F"

| | | |
|---|---|---|
| S | 6.1 | 43.6 |
| crb | 6.2 | 43.5 |
| 1/4 | 5.5 | 44.2 |
| +15 = 2' S | 5.0 | 44.7 |
| +19 = ctr | 4.6 | |
| M | 4.7 | |
| +2 = 2' N | 5.1 | 44.6 |
| 1/4 = 2.5 of S. rail switch | 5.2 | 44.5 |
| +5 = ctr | 4.8 | |
| +10 = 2' N | 5.0 | 44.7 |
| crb | 4.9 | 44.8 |
| +17 | 4.3 | 45.4 |
| N | 3.3 | 46.4 |

POSTED

49.66

0+50

| | | |
|---|---|---|
| N | | |
| + 3 | 3.3 | 46.4 |
| crk | 4.5 | 45.2 |
| + 5 | 4.7 | 45.0 |
| +7 | 4.9 | 44.8 |
| +14 | 6.9 | 42.8 |
| +19 = 2' N. of rail | 6.6 | 43.1 |
| "4 | 5.0 | 44.7 |
| + 3 = ctr | 4.9 | |
| + 8 = 2' S | 4.7 | |
| + 19 = 2' N | 5.2 | 44.5 |
| M | 5.1 | 44.6 |
| +2 = ctr | 4.7 | |
| + 7 = 2' S | 4.6 | |
| "4 | 5.2 | 44.5 |
| crk | 4.8 | 44.9 |
| S | 6.2 | 43.5 |
| | 6.1 | 43.6 |

0+75

| | | |
|---|---|---|
| S | 6.1 | 43.6 |
| crk | 6.3 | 43.4 |
| "4 | 6.0 | 43.7 |
| +15 = 2' S of S. rail | 5.2 | 44.5 |
| + 19 = ctr | 4.6 | |
| M | 4.7 | |
| + 2 = 2' N of N. rail | 5.1 | 44.6 |
| + 7 = 2' S of S. rail | 5.2 | 44.5 |
| + 11 = ctr switch | 4.7 | |
| + 16 = 2' N. of N. rail | 5.2 | 44.7 |
| "4 | 5.5 | 44.2 |
| + 6 | 6.0 | 43.7 |
| + 12 | 4.6 | 45.1 |
| crk | 5.0 | 44.7 |
| N | 4.3 | 45.6 |

1+0

| | | |
|---|---|---|
| N | 4.1 | 45.6 |
| crk | 5.2 | 44.5 |
| "4 | 4.9 | 44.8 |
| + 9 = 2' N. of N. rail switch | 5.2 | 44.5 |
| + 19 = 2' N. of N. rail Main Track | 5.4 | |
| M | 4.7 | |
| + 2 = ctr | 4.7 | 45.0 |
| + 7 = 2' S of S. rail | 5.2 | 44.5 |
| "4 | 6.0 | 43.7 |
| crk | 6.3 | 43.4 |
| S | 6.5 | 43.2 |

1+25

| | | |
|---|---|---|
| S | 6.7 | 43.0 |
| crk | 6.4 | 43.3 |
| "4 | 6.0 | 43.7 |
| + 15 = 2' S | 5.4 | 44.2 |
| + 19 = ctr | 4.9 | |
| M | 4.9 | |
| + 2 = 2' N. rail main | 4.9 | |
| + 7 = 2' N. of N. rail switch | 5.3 | 44.4 |
| + 11 | 5.6 | 44.1 |
| + 15 | 4.3 | 45.4 |
| + 17 | 5.1 | 44.6 |
| "4 | 5.3 | 44.4 |
| crk | 5.2 | 44.5 |
| N | 4.5 | 45.3 |

POSTED

49.66

1+50

| | | |
|---|---|---|
| N | 4.8 | 44.9 |
| crb | 5.2 | 44.3 |
| 1/4 | 5.2 | 44.3 |
| +6 | 5.0 | 44.7 |
| +8 | 4.2 | 45.5 |
| +12 | 5.7 | 44.0 |
| +16 = 2' N. of N.P. switch | 5.4 | 44.3 |
| M | 5.0 | |
| +2 = ctr main track | 4.9 | |
| +7 = 2' S of S. rail " " | 5.4 | 44.3 |
| 1/4 | 6.0 | 43.7 |
| crb | 6.5 | 43.2 |
| S | 6.7 | 43.0 |

1+75

| | | |
|---|---|---|
| S | 7.5 | 42.2 |
| crb | 6.9 | 43.3 |
| 1/4 | 6.3 | 43.4 |
| +15 = 2' S. | 5.4 | 44.3 |
| +19 = ctr | 4.8 | |
| M | 5.0 | |
| +2 = 2' N | 5.2 | 44.5 |
| +7 | 5.7 | 44.0 |
| +9 | 4.9 | 44.8 |
| 1/4 | 5.3 | 44.4 |
| crb | 5.2 | 44.5 |
| N | 4.7 | 45.0 |

2+0

| | | |
|---|---|---|
| N | 4.5 | 45.2 |
| crb | 5.3 | 44.4 |
| 1/4 | 5.3 | 44.4 |
| +9 | 4.7 | 45.0 |
| +12 | 5.8 | 43.9 |
| +19 = 2' N | 5.3 | 44.4 |
| M | 5.0 | |
| +2 = ctr | 4.8 | |
| +7 = 2' S | 5.4 | 44.3 |
| 1/4 | 6.3 | 43.4 |
| crb | 6.5 | 43.2 |
| S | 7.2 | 42.5 |

2+25

| | | |
|---|---|---|
| S | 7.3 | 42.4 |
| crb | 6.3 | 43.4 |
| 1/4 | 6.0 | 43.7 |
| +15 = 2' S | 5.3 | 42.4 |
| +19 = ctr | 4.6 | |
| M | 4.9 | |
| +2 = 2' N | 5.3 | 44.6 |
| +9 | 5.9 | 43.8 |
| +12 | 4.9 | 44.8 |
| 1/4 | 5.2 | 44.5 |
| crb | 5.2 | 44.5 |
| N | 4.6 | 45.1 |

49.66

2+50

| | | |
|---|---|---|
| N | 5.1 | 44.6 |
| crk | 5.2 | 44.5 |
| 1/4 | 5.1 | 44.6 |
| +5 | 5.2 | 44.5 |
| +7 | 6.2 | 43.5 |
| +13 | 5.7 | 44.0 |
| +19 = 2' N | 5.2 | 44.5 |
| M | 4.7 | |
| +2 = ctr | 4.8 | |
| +7 = 2' S | 5.3 | 44.4 |
| 1/4 | 5.9 | 43.8 |
| crk | 6.5 | 43.2 |
| +17 | 7.5 | 42.2 |
| S | 8.6 | 41.1 |

2+75

| | | |
|---|---|---|
| S | 9.6 | 40.1 |
| +10 | 7.1 | 42.6 |
| crk | 6.5 | 43.2 |
| 1/4 | 6.3 | 43.4 |
| +15 = 2' S | 5.3 | 44.4 |
| +19 = ctr | 4.8 | |
| M | 4.9 | |
| +2 = 2' N | 5.4 | 44.3 |
| 1/4 | 5.4 | 44.3 |
| crk | 5.3 | 44.4 |
| N | 5.4 | 44.3 |

3+0

| | | |
|---|---|---|
| N | 5.6 | 44.1 |
| crk | 5.2 | 44.5 |
| 1/4 | 5.3 | 44.4 |
| +19 = 2' N | 5.4 | 44.3 |
| M | 5.0 | |
| +2 = ctr | 4.8 | |
| +7 = 2' S | 5.4 | 44.3 |
| 1/4 | 6.5 | 43.2 |
| crk | 7.0 | 42.7 |
| S | 8.7 | 41.0 |

3+25

| | | |
|---|---|---|
| S | 8.6 | 41.1 |
| +5 | 7.4 | 42.3 |
| crk | 6.5 | 43.2 |
| 1/4 | 6.2 | 43.5 |
| +15 = 2' S | 5.4 | 44.3 |
| +19 = ctr | 4.8 | |
| M | 5.0 | |
| +2 = 2' N | 5.3 | 44.4 |
| 1/4 | 5.2 | 44.5 |
| crk | 5.2 | 44.5 |
| N | 5.5 | 44.2 |

| | | | | | |
|---|---|---|---|---|---|
| | | 49.66 | | | |
| | | 3+50 | | | |
| N | | | 5.2 | 44.5 | |
| crb | | | 5.3 | 44.4 | |
| 1/4 | | | 5.3 | 44.4 | |
| +19 = 2' N | | | 5.2 | 44.5 | |
| M | | | 4.5 | 4 | |
| +2 = ctr | | | 4.7 | | |
| +7 = 2' S | | | 5.3 | 44.4 | |
| 1/4 | | | 6.4 | 43.3 | |
| crb | | | 6.7 | 43.0 | |
| S | | | 8.0 | 41.7 | |
| | | 3+75 | | | |
| S | | | 7.4 | 42.3 | |
| crb | | | 6.5 | 43.2 | |
| 1/4 | | | 6.2 | 43.5 | |
| +15 = 2' S | | | 5.3 | 44.4 | |
| +19 = ctr | | | 4.7 | | |
| M | | | 4.9 | | |
| +2 = 2' N | | | 5.3 | 44.4 | |
| 1/4 | | | 5.4 | 44.3 | |
| crb | | | 5.4 | 44.3 | |
| N | | | 5.3 | 44.4 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 4+0 | | | |
| N | | | 5.1 | 44.6 | |
| crb | | | 5.3 | 44.4 | |
| 1/4 | | | 5.3 | 44.4 | |
| +19 = 2' N | | | 5.2 | 44.5 | |
| M | | | 4.9 | | |
| +2 = ctr | | | 4.7 | | |
| +9 = 2' S | | | 5.2 | 44.5 | |
| 1/4 | | | 6.1 | 43.6 | |
| crb | | | 6.2 | 43.5 | |
| S | | | 6.7 | 43.0 | |
| | | 4+25 | | | |
| S | | | 6.1 | 43.6 | |
| crb | | | 6.1 | 43.6 | |
| 1/4 | | | 5.8 | 43.9 | |
| +15 = 2' S | | | 5.2 | 44.5 | |
| +19 = ctr | | | 4.8 | | |
| M | | | 4.9 | | |
| +2 = 2' N | | | 5.2 | 44.5 | |
| 1/4 | | | 5.1 | 44.6 | |
| crb | | | 5.0 | 44.7 | |
| N | | | 4.8 | 44.9 | |
| T.P. | 4.70 | 50.41 | 3.45 | 46.21 | Mon. Noyes & Cardell |

POSTED

50.41

4+50

N
crb
"4
+19 = 2' N of N. rail
M
+2 = ctr
+9 = 2' S of S. rail
"4
+1
crb
5

| | |
|---|---|
| 5.0 | 45.4 |
| 5.4 | 45.0 |
| 5.5 | 44.9 |
| 5.9 | 44.5 |
| 5.6 | |
| 5.4 | |
| 5.9 | 44.5 |
| 5.7 | 44.7 |
| 6.2 | 44.2 |
| 6.3 | 44.1 |
| 6.6 | 43.8 |

4+84 = x-sec G

5
crb
+26
"4
+15 = 2' S
+19 = ctr
M
+2 = 2' N
+7
+9
"4
crb
N

| | |
|---|---|
| 6.3 | 44.1 |
| 6.0 | 44.4 |
| 5.8 | 44.6 |
| 5.2 | 45.2 |
| 6.1 | 44.3 |
| 5.4 | |
| 5.6 | |
| 6.0 | 44.4 |
| 5.7 | 44.7 |
| 4.9 | 45.5 |
| 4.6 | 45.8 |
| 4.8 | 45.6 |
| 3.9 | 46.5 |

x-sec "H" = W.L. Noyes St.

N
crb
"4
+12
+15
+19 = 2' N
M
+2 = ctr track
+7 = 2' S
+10
+13
"4
+2
crb
5

| | |
|---|---|
| 2.9 | 47.5 |
| 4.2 | 46.2 |
| 4.2 | 46.2 |
| 4.5 | 45.9 |
| 5.7 | 44.7 |
| 6.0 | 44.4 |
| 5.7 | |
| 5.5 | |
| 6.1 | 44.3 |
| 6.2 | 44.2 |
| 5.2 | 45.2 |
| 5.0 | 45.4 |
| 5.8 | 44.6 |
| 5.9 | 44.5 |
| 6.3 | 44.1 |

W. curb

5
crb
+17
+19
"4
+9
+10
+15 = 2' S
+19 = ctr
M
+2 = 2' N
+4
+7
"4
crb
+18
N

| | |
|---|---|
| 5.6 | 44.8 |
| 5.6 | 44.8 |
| 5.3 | 45.1 |
| 4.6 | 45.8 |
| 4.3 | 46.1 |
| 4.7 | 45.7 |
| 6.1 | 44.3 |
| 6.0 | 44.4 |
| 5.4 | |
| 5.6 | |
| 5.9 | 44.5 |
| 5.3 | 45.1 |
| 3.4 | 47.0 |
| 3.6 | 46.8 |
| 3.4 | 47.0 |
| 2.5 | 47.9 |
| 0.4 | 50.0 |

50.41

W ¼

| | | |
|---|---|---|
| N | 1.1 | 49.3 |
| +2 | 2.1 | 48.3 |
| crb | 3.2 | 47.2 |
| ¼ | 3.3 | 47.1 |
| +11 | 2.6 | 47.8 |
| +15 | 5.6 | 44.8 |
| +19 = 2' N | 5.8 | 44.6 |
| M | 5.6 | |
| +2 = ctr | 5.5 | 44.9 |
| +7 = 2' S | 6.0 | 44.4 |
| +9 | 6.0 | 44.4 |
| +13 | 4.2 | 46.2 |
| ¼ | 4.3 | 46.1 |
| +1 | 5.1 | 45.3 |
| crb | 5.4 | 45.0 |
| S | 6.1 | 44.3 |

center

| | | |
|---|---|---|
| S | 5.9 | 44.5 |
| crb | 5.3 | 45.1 |
| +18 | 5.1 | 45.3 |
| +20 | 4.5 | 45.9 |
| ¼ | 4.4 | 46.0 |
| +9 | 4.3 | 46.1 |
| +11 | 5.9 | 44.5 |
| +15 = 2' S | 6.0 | 44.4 |
| +19 = ctr | 5.6 | |
| M | 5.6 | |
| +2 = 2' N | 5.8 | 44.6 |
| +6 | 5.5 | 44.9 |
| +11 | 2.5 | 47.9 |
| ¼ | 2.9 | 47.5 |
| crb | 3.1 | 47.3 |
| +18 | 1.7 | 48.7 |
| N | 0.8 | 49.6 |

E. ¼

| | | |
|---|---|---|
| N | 0.2 | 50.2 |
| +3 | 1.9 | 48.5 |
| crb | 3.0 | 47.4 |
| ¼ | 2.9 | 47.5 |
| +12 | 2.8 | 47.6 |
| +15 | 5.3 | 45.1 |
| +19 = 2' N | 5.7 | 44.7 |
| M | 5.6 | |
| +2 = ctr | 5.6 | |
| +7 = 2' S | 5.9 | 44.5 |
| +10 | 5.9 | 44.5 |
| +12 | 4.1 | 46.3 |
| ¼ | 4.0 | 46.4 |
| +1 | 4.9 | 45.5 |
| crb | 5.2 | 45.2 |
| S | 5.9 | 44.5 |

E. Curb

| | | |
|---|---|---|
| S | 5.9 | 44.5 |
| crb | 5.1 | 45.3 |
| +19 | 4.9 | 45.5 |
| ¼ | 4.0 | 46.4 |
| +9 | 4.1 | 46.3 |
| +11 | 6.0 | 44.4 |
| +15 = 2' S | 6.0 | 44.4 |
| +19 = ctr | 5.5 | |
| M | 5.9 | |
| +2 = 2' N | 5.9 | 44.7 |
| +6 | 5.3 | 45.1 |
| +10 | 2.3 | 48.1 |
| ¼ | 2.8 | 47.6 |
| crb | 2.9 | 47.5 |
| +18 | 1.3 | 49.1 |
| N | 0.4 | 50.0 |

50.91

X-sec "I" = E.L. Noyes.

| | | |
|---|---|---|
| N | 0.2 | 50.2 |
| +2 | 1.3 | 49.1 |
| crb | 2.7 | 47.7 |
| 1/4 | 2.7 | 47.7 |
| +13 | 3.6 | 46.8 |
| +15 | 5.6 | 45.8 |
| +19 = 2' N | 6.0 | 44.4 |
| M | 5.6 | |
| +2 = ctr | 5.6 | |
| +7 = 2' S | 6.1 | 44.3 |
| +9 | 6.2 | 44.2 |
| +11 | 4.4 | 46.0 |
| 1/4 | 3.9 | 46.5 |
| +2 | 5.0 | 45.4 |
| crb | 5.2 | 45.2 |
| S | 5.8 | 44.6 |

X-sec "J"

| | | |
|---|---|---|
| S | 5.6 | 44.8 |
| crb | 5.5 | 44.9 |
| +19 | 5.2 | 45.2 |
| 1/4 | 4.1 | 46.3 |
| +9 | 4.6 | 45.8 |
| +11 | 6.3 | 44.1 |
| +15 = 2' S | 6.2 | 44.2 |
| +19 = ctr | 5.6 | |
| M | 5.8 | |
| +2 = 2' N | 5.1 | 45.3 |
| +6 | 5.7 | 44.7 |
| +9 | 3.2 | 47.2 |
| 1/4 | 2.8 | 47.6 |
| crb | 2.7 | 47.7 |
| +15 | 1.3 | 49.1 |
| N | 0.4 | 50.0 |

0+25' E of X-sec "J"

| | | |
|---|---|---|
| N | 9.0 | 41.4 |
| + | 1.5 | 48.9 |
| crb | 2.7 | 47.7 |
| 1/4 | 2.8 | 47.6 |
| +9 | 2.9 | 47.5 |
| +15 | 5.8 | 44.6 |
| +19 = 2' N. of N. rail | 6.1 | 44.3 |
| M | 5.9 | |
| +2 = ctr. Track | 5.9 | |
| +7 = 2' S of S. rail | 6.2 | 44.2 |
| +11 | 6.1 | 44.3 |
| +13 | 4.3 | 46.1 |
| 1/4 | 4.9 | 45.5 |
| + | 5.5 | 44.9 |
| crb | 5.5 | 44.9 |
| S | 5.7 | 44.7 |

0+50

| | | |
|---|---|---|
| S | 5.7 | 44.7 |
| crb | 5.2 | 45.2 |
| +20 | 5.1 | 45.3 |
| 1/4 | 4.2 | 46.2 |
| +0 | 4.7 | 45.7 |
| +12 | 6.4 | 44.0 |
| +15 = 2' S | 6.3 | 44.1 |
| +19 = ctr | 5.7 | |
| M | 6.0 | |
| +2 = 2' N | 6.2 | 44.2 |
| +7 | 5.9 | 44.5 |
| +11 | 3.3 | 47.1 |
| 1/4 | 3.2 | 47.2 |
| crb | 2.7 | 47.7 |
| +15 | 1.8 | 48.6 |
| N | 0.8 | 49.6 |

50.41

0+75 E

| | | |
|---|---|---|
| N | 2.0 | 48.4 |
| crk | 2.9 | 47.5 |
| "4 | 2.9 | 47.5 |
| +10 | 3.4 | 47.0 |
| +14 | 6.0 | 44.4 |
| +19 = 2' N | 6.3 | 44.1 |
| M | 6.1 | |
| +2 = ch | 6.0 | |
| +7 = 2' 0 | 6.2 | 44.2 |
| +10 | 6.5 | 43.9 |
| +13 | 3.8 | 46.6 |
| "4 | 4.0 | 46.4 |
| +2 | 5.0 | 45.4 |
| crk | 5.1 | 45.3 |
| S | 5.5 | 44.9 |

1+01

| | | |
|---|---|---|
| S | 5.1 | 45.3 |
| crk | 4.7 | 45.7 |
| + | 4.8 | |
| "4 | 3.8 | 46.6 |
| +10 | 4.4 | 46.0 |
| +11 | 6.2 | 44.2 |
| +15 = 2' S | 6.5 | 43.9 |
| +19 = ch | 6.0 | |
| M | 6.3 | |
| +2 = N | 6.5 | 43.9 |
| +7 | 6.0 | 44.4 |
| +12 | 3.3 | 47.1 |
| "4 | 3.2 | 47.2 |
| crk | 3.2 | 47.2 |
| N | 2.5 | 47.9 |

1+25

| | | |
|---|---|---|
| N | 2.6 | 47.8 |
| crk | 3.6 | 46.8 |
| "4 | 3.5 | 46.9 |
| +10 | 3.6 | 46.8 |
| +15 | 6.6 | 43.8 |
| +19 = 2' N | 6.6 | 43.8 |
| M | 6.4 | |
| +2 = ch | 6.1 | |
| +7 = 2' 3 | 6.6 | 43.8 |
| +10 | 6.8 | 43.6 |
| +12 | 4.0 | 46.4 |
| "4 | 3.9 | 46.5 |
| +1 | 4.5 | 45.6 |
| crk | 4.5 | 45.6 |
| S | 5.0 | 45.4 |

1+50

| | | |
|---|---|---|
| S | 4.9 | 45.5 |
| crk | 5.1 | 45.3 |
| +20 | 4.8 | 45.6 |
| "4 | 4.3 | 46.1 |
| +9 | 4.7 | 45.7 |
| +11 | 7.0 | 43.4 |
| +15 = 2' S | 6.9 | 43.5 |
| +19 = ch | 6.4 | |
| M | 6.6 | |
| +2 = 2' N | 6.9 | 43.5 |
| +7 | 6.3 | 44.1 |
| +12 | 3.4 | 47.1 |
| "4 | 3.8 | 46.6 |
| crk | 3.9 | 46.5 |
| N | 2.7 | 47.7 |

50.41

| | | | |
|---|---|---|---|
| 1475 | | | |
| N | | 3.3 | 47.1 |
| crk | | 4.4 | 46.0 |
| 1/4 | | 4.2 | 46.2 |
| +9 | | 4.1 | 46.1 |
| +14 | | 7.0 | 43.4 |
| +19 = 2' N | | 7.1 | 43.3 |
| M | | 6.6 | |
| +2 = ctr | | 6.6 | |
| +7 = 2' S | | 7.1 | 43.3 |
| +11 | | 7.3 | 43.1 |
| +13 | | 5.4 | 45.0 |
| 1/4 | | 4.8 | 45.6 |
| +1 | | 5.4 | 45.0 |
| crk | | 5.5 | 44.9 |
| S | | 5.5 | 44.9 |
| 2+0 | | | |
| S | | 6.4 | 44.0 |
| crk | | 6.0 | 44.6 |
| + | | 5.7 | 44.7 |
| 1/4 | | 4.8 | 45.6 |
| + 9 | | 5.5 | 44.9 |
| + 11 | | 7.5 | 42.9 |
| +15 = 2' S | | 7.4 | 43.0 |
| +19 = ctr | | 6.9 | |
| M | | 7.1 | |
| +2 = 2' N | | 7.4 | 43.0 |
| +7 | | 7.2 | 43.2 |
| +12 | | 4.3 | 46.1 |
| 1/4 | | 4.9 | 45.5 |
| crk | | 4.8 | 45.6 |
| N | | 4.3 | 46.1 |

| | | | |
|---|---|---|---|
| 2+25 | | | |
| N | | 4.5 | 45.9 |
| crk | | 5.5 | 44.9 |
| 1/4 | | 5.3 | 45.1 |
| +10 | | 5.2 | 45.2 |
| +14 | | 7.5 | 42.9 |
| +19 = 2' N | | 7.6 | 42.8 |
| M | | 7.4 | |
| +2 = ctr | | 7.2 | |
| +7 = 2' S | | 7.6 | 42.8 |
| +11 | | 7.7 | 42.7 |
| +13 | | 5.7 | 44.7 |
| 1/4 | | 5.7 | 44.7 |
| +1 | | 6.3 | 44.1 |
| crk | | 6.6 | 43.8 |
| S | | 6.8 | 43.6 |
| 2+50 | | | |
| S | | 7.3 | 43.1 |
| crk | | 7.0 | 43.4 |
| +20 | | 6.8 | 43.6 |
| 1/4 | | 6.2 | 44.2 |
| +9 | | 5.9 | 44.5 |
| +11 | | 7.9 | 42.5 |
| +15 = 2' S | | 8.0 | 42.4 |
| +19 = ctr | | 7.6 | |
| M | | 7.8 | |
| +2 = 2' N | | 8.0 | 42.4 |
| +7 | | 7.7 | 42.7 |
| +12 | | 5.5 | 44.9 |
| 1/4 | | 5.8 | 44.6 |
| crk | | 5.9 | 44.5 |
| +17 | | 5.1 | 45.3 |
| N | | 4.1 | 46.3 |

50.41

2+75

| | | |
|---|---|---|
| N | 4.8 | 45.6 |
| +3 | 5.6 | 44.8 |
| crk | 6.2 | 44.2 |
| 114 | 6.1 | 44.3 |
| +8 | 5.8 | 44.6 |
| +10 | 8.0 | 42.4 |
| +19 = 2'N | 8.3 | 42.1 |
| M | 8.2 | |
| +2 = ctr | 8.0 | |
| +7 = 2'S | 8.4 | 42.0 |
| +18 | 7.8 | 42.6 |
| +19 | 6.6 | 43.8 |
| 114 | 6.8 | 43.6 |
| +1 | 7.2 | 43.2 |
| crk | 7.6 | 42.8 |
| S | 7.7 | 42.7 |

3+0

| | | |
|---|---|---|
| S | 8.3 | 42.1 |
| crk | 8.0 | 42.4 |
| +20 | 7.6 | 42.8 |
| 114 | 7.2 | 43.2 |
| +4 | 7.6 | 42.8 |
| +5 | 9.0 | 41.4 |
| +15 = 2'S | 8.9 | 41.5 |
| +19 = ctr | 8.9 | |
| M | 8.5 | |
| +2 = 2'N | 8.9 | 41.5 |
| +9 | 8.7 | 41.7 |
| +11 | 6.3 | 44.1 |
| 114 | 6.4 | 44.0 |
| crk | 6.5 | 43.9 |
| +17 | 6.0 | 44.4 |
| N | 4.3 | 46.1 |

3+25

| | | |
|---|---|---|
| N | 4.6 | 45.8 |
| +2 | 5.9 | 44.5 |
| crk | 7.1 | 43.3 |
| 114 | 6.8 | 43.6 |
| +5 | 6.6 | 43.8 |
| +10 | 8.6 | 41.8 |
| +19 = 2'N | 9.2 | 41.2 |
| M | 9.0 | |
| +2 = ctr | 8.8 | |
| +7 = 2'S | 9.0 | 41.4 |
| +13 | 9.4 | 41.0 |
| +15 | 7.8 | 42.6 |
| +19 | 7.3 | 43.1 |
| 114 | 8.2 | 42.2 |
| crk | 8.3 | 42.1 |
| S | 8.8 | 41.6 |

3+50

| | | |
|---|---|---|
| S | 9.3 | 41.1 |
| crk | 8.7 | 41.7 |
| 114 | 8.5 | 41.9 |
| +2 | 7.9 | 42.5 |
| +5 | 7.8 | 42.6 |
| +8 | 9.3 | 41.1 |
| +15 = 2'S | 9.6 | 40.8 |
| +19 = ctr | 9.3 | |
| M | 9.2 | |
| +2 = 2'N | 9.6 | 40.8 |
| +8 | 9.2 | 41.2 |
| +11 | 7.3 | 43.1 |
| 114 | 7.5 | 42.9 |
| crk | 7.8 | 42.6 |
| +18 | 6.9 | 43.5 |
| N | 5.6 | 44.8 |

50.41

3+75

| | | |
|---|---|---|
| N | 6.8 | 43.6 |
| +2 | 7.5 | 42.9 |
| cle | 8.4 | 42.0 |
| 1/4 | 8.1 | 42.3 |
| +9 | 7.8 | 42.6 |
| +12 | 9.5 | 40.9 |
| +19 = 2' N | 10.0 | 40.4 |
| M | 9.6 | |
| +2 = cle | 9.5 | |
| +7 = 2' S | 10.0 | 40.4 |
| +11 | 10.0 | 40.4 |
| +13 | 8.4 | 42.0 |
| +18 | 8.3 | 42.1 |
| +19 | 9.2 | 41.2 |
| 1/4 | 9.2 | 41.2 |
| cle | 9.4 | 41.0 |
| S | 10.0 | 40.4 |

4+0

| | | |
|---|---|---|
| S | 10.5 | 39.9 |
| cle | 10.2 | 40.2 |
| 1/4 | 9.6 | 40.8 |
| +2 | 9.6 | 40.8 |
| +3 | 9.1 | 41.3 |
| +9 | 9.2 | 41.2 |
| +11 | 10.4 | 40.5 |
| +15 = 2' S | 10.4 | 40.0 |
| +19 = cle | 9.9 | |
| M | 10.1 | |
| +2 = 2' N | 10.4 | 40.0 |
| +11 | 10.2 | 40.2 |
| +13 | 8.8 | 41.6 |
| 1/4 | 8.7 | 41.7 |
| cle | 8.8 | 41.2 |
| +17 | 8.5 | 41.9 |
| N | 7.5 | 42.9 |

4+25

| | | |
|---|---|---|
| N | 8.4 | 42.0 |
| +3 | 9.2 | 41.2 |
| cle | 9.5 | 40.6 |
| 1/4 | 9.4 | 41.0 |
| +9 | 9.4 | 41.0 |
| +11 | 10.6 | 39.8 |
| +19 = 2' N | 10.8 | 39.6 |
| M | 10.5 | |
| +2 = cle | 10.2 | |
| +7 = 2' S | 10.2 | 39.7 |
| +13 | 11.1 | 39.3 |
| +15 | 9.6 | 40.8 |
| +19 | 9.6 | 40.8 |
| +20 | 10.5 | 39.9 |
| 1/4 | 10.4 | 40.0 |
| cle | 10.6 | 39.8 |
| S | 10.9 | 39.5 |

4+50

| | | |
|---|---|---|
| S | 11.9 | 38.5 |
| cle | 11.4 | 39.0 |
| 1/4 | 11.1 | 39.3 |
| +2 | 11.2 | 39.2 |
| +3 | 10.4 | 40.0 |
| +9 | 10.6 | 39.8 |
| +10 | 11.5 | 38.9 |
| +15 = 2' S | 11.1 | 39.3 |
| +19 = cle | 10.6 | |
| M | 11.0 | |
| +2 = 2' N | 11.1 | 39.3 |
| +9 | 11.2 | 39.2 |
| +12 | 10.1 | 40.3 |
| 1/4 | 9.9 | 40.5 |
| cle | 10.4 | 40.0 |
| N | 9.1 | 41.3 |
| T. P. | 2.08 | 41.70 | 10.59 | 39.82 |

41.90

4+84² = x-sec "K"

| | | |
|---|---|---|
| N | 1.2 | 40.7 |
| crk | 2.4 | 39.5 |
| 1/4 | 2.2 | 39.7 |
| +9 | 2.4 | 39.5 |
| +10 | 3.0 | 38.9 |
| +19 = 2' N of R.R. | 3.1 | 38.8 |
| M | 2.9 | |
| +2 = ch Track | 2.6 | |
| +7 = 2' S. of S. rail | 3.1 | 38.8 |
| +13 | 3.4 | 38.5 |
| +14 | 2.8 | 39.1 |
| 1/4 | 3.3 | 38.6 |
| crk | 3.7 | 38.2 |
| S | 3.3 | 38.6 |

x-sec 4 = M.L. Olney st.

| | | |
|---|---|---|
| S | 3.5 | 38.4 |
| crk. | 3.7 | 38.2 |
| 1/4 | 3.3 | 38.6 |
| +15 = 2' S | 3.2 | 38.7 |
| +19 = ch | 2.8 | 39.1 |
| M | 2.5 | 39.1 |
| +2 = 2' N | 2.0 | |
| 1/4 | 3.2 | 38.7 |
| crk | 2.7 | 39.2 |
| N | 2.7 | 39.2 |
| | 1.9 | 40.0 |

W. Cook Olney

| | | |
|---|---|---|
| N | 2.8 | 39.1 |
| crk | 3.1 | 38.8 |
| 1/4 | 3.2 | 38.7 |
| +19 = 2' N | 3.6 | 38.3 |
| M | 3.3 | |
| +2 = ch | 3.1 | |
| +7 = 2' S | 3.6 | 38.3 |
| 1/4 | 3.3 | 38.6 |
| crk | 4.2 | 37.7 |
| S | 4.0 | 37.9 |

W 1/4

L

| | | |
|---|---|---|
| S | 4.0 | 37.9 |
| crk | 4.3 | 37.6 |
| 1/4 | 3.7 | 38.2 |
| +15 = 2' S | 3.7 | 38.2 |
| +17 = ch | 3.6 | 38.3 |
| M | 3.2 | |
| +2 = 2' N | 3.7 | 38.2 |
| 1/4 | 3.3 | 38.6 |
| Crk | 3.2 | 38.7 |
| N | 2.7 | 39.2 |

POSTED

41.90

Center

| | | |
|---|---|---|
| N | 3.3 | 38.6 |
| crk | 3.4 | 38.5 |
| 1/4 | 3.3 | 38.6 |
| + 19 = 2'N | 3.5 | 38.4 |
| M | 3.5 | |
| + 2 = ctr | 3.4 | |
| + 7 = 2'S | 3.8 | 38.1 |
| 1/4 | 4.3 | 37.6 |
| crk | 4.5 | 37.4 |
| S | 4.5 | 37.4 |
| E 1/4 | | |
| S | 5.1 | 36.8 |
| crk | 4.7 | 37.2 |
| 1/4 | 4.8 | 37.1 |
| + 15 = 2'S | 3.5 | 38.4 |
| + 19 | 3.5 | 38.4 |
| M | 3.5 | |
| + 2 = 2'N | 3.5 | 38.4 |
| 1/4 | 3.5 | 38.4 |
| crk | 3.5 | 38.4 |
| N | 3.5 | 38.4 |

E. curb

| | | |
|---|---|---|
| N | 3.5 | 38.4 |
| crk | 3.7 | 38.2 |
| 1/4 | 3.6 | 38.3 |
| + 19 = 2'N | 3.7 | 38.2 |
| M | 3.6 | |
| + 2 = ctr | 3.6 | 38.3 |
| + 7 = 2'S | 3.8 | 38.1 |
| 1/4 | 5.0 | 36.9 |
| crk | 5.0 | 36.9 |
| S | 5.1 | 36.8 |
| Y-sec. "M" = E. L. Olney St. | | |
| S | 5.4 | 36.5 |
| crk | 5.4 | 36.5 |
| 1/4 | 5.4 | 36.5 |
| + 15 = 2'S | 4.4 | 37.5 |
| + 19 | 3.9 | |
| M | 3.8 | |
| + 2 = 2'N | 4.2 | 37.7 |
| 1/4 | 4.2 | 37.7 |
| crk | 4.2 | 37.7 |
| N | 4.2 | 37.7 |

41.90

x-sec "N"

| | | |
|---|---|---|
| N | 4.0 | 37.9 |
| ch | 4.2 | 37.7 |
| 1/4 | 4.4 | 37.5 |
| +19 = 2'N. | 4.6 | 37.3 |
| M | 4.4 | |
| +2 = ch | 4.2 | |
| +7 = 2'S | 4.7 | 37.2 |
| 1/4 | 5.9 | 36.0 |
| ch | 5.8 | 36.1 |
| S | 5.9 | 36.0 |

0+25 E of x sec "N"

| | | |
|---|---|---|
| S | 6.5 | 35.4 |
| ch | 6.3 | 35.6 |
| 1/4 | 6.2 | 35.7 |
| +15 = 2'S | 5.0 | 36.9 |
| +19 = ch | 4.5 | |
| M of st. | 4.8 | |
| +2 = 2'N | 5.0 | 36.9 |
| 1/4 | 4.9 | 37.0 |
| ch | 4.4 | 37.5 |
| N | 4.4 | 37.5 |

0+50

| | | |
|---|---|---|
| N | 4.6 | 37.3 |
| ch | 4.9 | 37.0 |
| 1/4 | 5.0 | 36.9 |
| +19 | 5.4 | 36.5 |
| M | 5.0 | |
| +2 | 5.4 | |
| +7 | 5.4 | 36.5 |
| 1/4 | 6.5 | 35.4 |
| ch | 6.6 | 35.3 |
| S | 7.2 | 34.7 |

0+75

| | | |
|---|---|---|
| S | 7.7 | 34.2 |
| ch | 6.9 | 35.0 |
| 1/4 | 6.7 | 35.2 |
| +15 = 2'S | 5.7 | 36.2 |
| +19 = ch | 5.1 | |
| M | 5.2 | |
| +2 = 2'N | 5.7 | 36.2 |
| 1/4 | 5.1 | 36.8 |
| ch | 5.0 | 36.9 |
| N | 4.9 | 37.0 |

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| | | |
|---|---|---|
| 41.90 | | |
| 140 | | |
| N | | |
| | 5.3 | 36.6 |
| | 5.6 | 36.3 |
| | 5.5 | 36.4 |
| | 6.0 | |
| | 5.5 | |
| | 5.4 | 36.5 |
| | 6.7 | 35.2 |
| | 7.3 | 34.6 |
| | 8.0 | 33.9 |
| 140 | | |
| | 8.2 | 33.7 |
| | 7.6 | 34.3 |
| | 7.3 | 34.6 |
| | 6.4 | 35.5 |
| | 5.7 | |
| | 6.3 | |
| | 6.7 | 35.2 |
| | 6.0 | 35.9 |
| | 6.0 | 35.9 |
| | 5.7 | 36.2 |

| | | |
|---|---|---|
| 140 | | |
| | 6.1 | 35.8 |
| | 6.4 | 35.5 |
| | 6.4 | 35.5 |
| | 6.7 | 35.2 |
| | 6.4 | |
| | 6.1 | |
| | 6.1 | 35.8 |
| | 7.0 | 34.9 |
| | 8.0 | 33.9 |
| | 8.0 | 33.4 |
| 1225 | | |
| | 9.0 | 32.9 |
| | 8.3 | 33.6 |
| | 8.3 | 33.6 |
| | 7.5 | 34.4 |
| | 6.7 | |
| | 7.1 | |
| | 7.2 | 34.7 |
| | 6.5 | 35.1 |
| | 6.7 | 35.2 |
| | 6.5 | 35.4 |

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| | | |
|---|---|---|
| | 41.90 | |
| | 2+00 | |
| | 6.5 | 35.1 |
| N | 7.3 | 34.6 |
| crk | 7.3 | 34.6 |
| 1/4 | 7.5 | 34.4 |
| +19 = 2' N | 7.1 | |
| M | 7.0 | |
| +2 = 0 ctr | 7.5 | 34.4 |
| +7 = 2' S | 8.6 | 33.3 |
| 1/4 | | |
| crk | 8.8 | 33.1 |
| | 9.5 | 32.4 |
| S | | |
| | 2+25 | |
| | 10.0 | 31.9 |
| S | 9.2 | 32.7 |
| crk | 9.1 | 32.8 |
| 1/4 | 7.8 | 34.1 |
| +15 = 2' S | 7.2 | |
| +19 = ctr | 7.5 | |
| M | 7.9 | 34.0 |
| +2 = 2' N | 7.7 | 34.2 |
| 1/4 | | |
| crk | 8.0 | 33.9 |
| N | 7.4 | 34.5 |

| | | |
|---|---|---|
| | 2+50 | |
| N | 7.3 | 34.6 |
| crk | 7.5 | 34.4 |
| 1/4 | 8.0 | 34.9 |
| +19 = 2' N | 8.3 | 34.6 |
| M | 7.8 | |
| +2 = N ctr | 7.6 | |
| +7 = 2' S | 7.9 | 34.0 |
| 1/4 | 9.5 | 32.4 |
| crk | 9.6 | 32.3 |
| S | 10.3 | 31.6 |
| | 2+75 | |
| S | 10.6 | 31.3 |
| crk | 10.1 | 31.8 |
| 1/4 | 10.0 | 31.9 |
| +15 = 2' S | 8.6 | 33.3 |
| +19 = ctr | 8.0 | |
| M | 8.2 | |
| +2 = 2' N | 8.7 | 33.2 |
| 1/4 | 8.4 | 33.5 |
| crk | 8.5 | 33.4 |
| +17 | 8.1 | 33.8 |
| | 7.3 | 34.7 |

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9/18/09 Dunkle Shaw Dezul

| | | | | |
|---|---|---|---|---|
| | | 41.90 | | |
| | | 3+0 | | |
| N | | | 8.1 | 33.8 |
| crb | | | 9.0 | 32.9 |
| 1/4 | | | 9.0 | 32.9 |
| +19 - 2'N | | | 9.0 | 32.9 |
| M | | | 8.6 | |
| +2 | | | 8.4 | |
| +7 - 2'S | | | 9.0 | 32.9 |
| 1/4 | | | 10.5 | 31.4 |
| crb | | | 10.5 | 31.4 |
| S | | | 11.2 | 30.7 |
| | | 3+25 | | |
| S | | | 11.4 | 30.5 |
| crb | | | 10.7 | 31.2 |
| 1/4 | | | 10.8 | 31.1 |
| +15 - 2'S | | | 9.4 | 32.5 |
| +19 | | | 8.8 | |
| M | | | 9.0 | |
| +2 - 2'N | | | 9.3 | 32.6 |
| 1/4 | | | 9.5 | 32.4 |
| crb | | | 9.6 | 32.3 |
| N | | | 8.8 | 33.1 |

| | | | | |
|---|---|---|---|---|
| | | 3+50 | | |
| N | | | 9.1 | 32.8 |
| crb | | | 9.8 | 32.1 |
| 1/4 | | | 9.8 | 32.1 |
| +19 - 2'N | | | 9.8 | 32.1 |
| M | | | 9.3 | |
| +2 | | | 9.2 | |
| +7 - 2'S | | | 9.8 | 32.1 |
| 1/4 | | | 11.2 | 30.7 |
| crb | | | 11.1 | 30.8 |
| S | | | 12.0 | 29.9 |
| T.P. | 2.97 | 35.37 | 9.50 | 32.40 |
| | | 3+75 | | |
| S | | | 6.3 | 29.1 |
| crb | | | 5.0 | 30.4 |
| 1/4 | | | 4.4 | 31.0 |
| +15 - 2'S | | | 3.5 | 31.9 |
| +19 = ct + track | | | 3.1 | |
| M of st | | | 3.2 | |
| +2 | | | 3.7 | 31.7 |
| 1/4 | | | 3.8 | 31.6 |
| crb | | | 3.8 | 31.6 |
| N | | | 3.1 | 32.3 |

POSTED

35.37

| | | |
|---|---|---|
| **4+0** | | |
| N | 3.5 | 31.9 |
| crb | 4.5 | 30.9 |
| "4 | 3.9 | 31.5 |
| 19 = 2' N | 4.2 | 31.2 |
| M | 3.5 | |
| +2 = ctr | 3.4 | |
| +7 = 2' S | 4.0 | 31.4 |
| "4 | 4.9 | 30.5 |
| crb | 5.3 | 30.1 |
| +16 | 5.7 | 29.7 |
| S | 6.6 | 28.8 |
| **4+25** | | |
| S | 7.7 | 27.7 |
| +6 | 6.0 | 29.4 |
| crb | 6.0 | 29.4 |
| "4 | 5.8 | 29.6 |
| +15 = 2' S | 4.2 | 31.2 |
| +19 = ctr | 3.8 | |
| M = of st | 4.0 | |
| +2 = 2' N | 4.4 | 31.0 |
| "4 | 4.5 | 30.9 |
| crb | 4.9 | 30.5 |
| N | 4.2 | 31.2 |

| | | |
|---|---|---|
| **4+50** | | |
| N | 4.7 | 30.7 |
| Crb | 5.2 | 30.2 |
| "4 | 5.3 | 30.1 |
| +11 | 6.4 | 29.0 |
| +14 | 4.9 | 30.5 |
| +19 = 2' N | 5.0 | 30.4 |
| M | 4.4 | |
| +2 = ctr track | 4.1 | |
| +7 = 2' S | 4.7 | 30.7 |
| +8 | 5.0 | 30.4 |
| +10 | 6.0 | 29.4 |
| "4 | 6.5 | 28.9 |
| crb | 6.7 | 28.7 |
| S | 8.2 | 27.2 |
| 4+84 = sec 0" | | |
| S | 9.3 | 26.1 |
| crb | 7.4 | 28.0 |
| "4 | 7.4 | 28.0 |
| "2 | 6.5 | 28.9 |
| "4 | 5.5 | 29.9 |
| +19 = 2' S | 5.0 | 30.4 |
| M of st | 4.5 | |
| +1 = ctr | 4.5 | |
| +6 = 2' N | 5.3 | 30.1 |
| +10 | 6.3 | 29.1 |
| "4 | 5.7 | 29.7 |
| crb | 5.4 | 30.0 |
| N | 5.5 | 29.9 |

35.37

x-sec "P" = w.l. Pendleton

| | | |
|---|---|---|
| N | 5.8 | 29.6 |
| crb | 5.9 | 29.5 |
| "4 | 6.3 | 29.1 |
| +9 | 6.6 | 28.8 |
| +11 | 5.9 | 29.5 |
| +14 = 2' N | 5.6 | 29.8 |
| +19 = ctr T | 4.9 | 30.5 |
| M | 4.9 | 30.5 |
| +4 = 2' S | 5.3 | 30.1 |
| +7 | 5.6 | 29.8 |
| +12 | 7.0 | 28.4 |
| "4 | 7.1 | 28.3 |
| crb | 7.5 | 27.9 |
| S | 9.3 | 26.1 |

W Curb

| | | |
|---|---|---|
| S | 9.7 | 25.7 |
| crb | 7.7 | 27.7 |
| "4 | 7.9 | 27.5 |
| +10 | 7.5 | 27.9 |
| +20 = 2' S | 5.5 | 29.9 |
| M | 5.2 | 30.2 |
| +2 ctr T | 5.1 | 30.3 |
| +7 = 2' N | 5.7 | 29.7 |
| +12 | 6.7 | 28.7 |
| "4 | 6.6 | 28.8 |
| crb | 6.0 | 29.4 |
| N | 5.9 | 29.5 |

35.37

W "4

| | | |
|---|---|---|
| N | 5.7 | 29.7 |
| crb | 6.4 | 29.0 |
| "4 | 6.0 | 29.4 |
| +13 | 6.8 | 28.6 |
| +16 | 6.1 | 29.3 |
| +18 = | 5.9 | 29.5 |
| M = 2' N rail | 5.3 | 30.1 |
| +4 ctr | 5.1 | 30.3 |
| +8 = 2' S | 5.6 | 29.8 |
| +13 = | 6.9 | 28.5 |
| "4 | 7.1 | 28.3 |
| crb | 8.0 | 27.4 |
| S | 9.8 | 25.6 |

Center

| | | |
|---|---|---|
| S | 10.1 | 25.3 |
| crb | 8.0 | 27.4 |
| "4 | 7.7 | 27.7 |
| +7 | 7.5 | 27.9 |
| +18 = 2' S | 5.8 | 29.6 |
| M | 5.3 | 30.1 |
| +2 = ctr | 5.3 | 30.1 |
| 7 = 2' N | 6.0 | 29.4 |
| +11 | 7.0 | 28.4 |
| "4 | 6.5 | 28.9 |
| crb | 6.9 | 29.0 |
| N | 5.7 | 29.7 |

35.37

E 1/4

| | | |
|---|---|---|
| N | 6.1 | 29.3 |
| crk | 6.2 | 29.2 |
| 1/4 | 6.4 | 29.0 |
| +13 | 7.1 | 28.3 |
| +20 = 2' N | 6.2 | 29.2 |
| M | 5.5 | 29.9 |
| + 2 = ctr | 5.3 | 30.1 |
| + 7 = 2' S | 6.0 | 29.4 |
| +12 | 7.3 | 28.1 |
| 1/4 | 7.5 | 27.9 |
| crk | 8.5 | 26.9 |
| S | 9.5 | 25.9 |

E crk

| | | |
|---|---|---|
| S | 10.0 | 25.4 |
| crk | 8.8 | 26.6 |
| 1/4 | 7.8 | 27.6 |
| +9 | 7.8 | 27.6 |
| +17 = 2' S | 6.1 | 29.3 |
| + 21 ctr | 5.5 | 29.9 |
| M | 5.5 | 29.9 |
| + 3 = 2' N | 6.3 | 29.1 |
| +8 | 7.3 | 28.1 |
| 1/4 | 7.6 | 27.8 |
| crk | 6.6 | 28.8 |
| N | 5.6 | 29.8 |

35.37

x-sec "Q" = E. L. Pendleton,

| | | |
|---|---|---|
| N | 4.4 | 31.0 |
| +4 | 5.4 | 30.0 |
| crk | 6.3 | 29.1 |
| 1/4 | 7.3 | 28.1 |
| +16 | 8.5 | 26.9 |
| M = 2 N. rail. | 6.3 | 29.1 |
| +5 = ctr | 5.6 | 29.8 |
| +9 = 2' S | 6.3 | 29.1 |
| +13 | 7.8 | 27.6 |
| 1/4 | 8.2 | 27.2 |
| crk | 8.7 | 26.7 |
| S | 10.6 | 24.8 |

x-sec "R"

| | | |
|---|---|---|
| S | 11.9 | 23.5 |
| +15 | 9.0 | 26.4 |
| crk | 9.2 | 26.2 |
| 1/4 | 8.1 | 27.3 |
| +10 = 2' S | 6.1 | 29.3 |
| +14 = ctr' Track | 6.1 | 29.3 |
| +15 = 2' N | 7.0 | 28.4 |
| M | 6.9 | 28.5 |
| +5 | 9.1 | 26.3 |
| +19 | 8.4 | 27.0 |
| +17 | 6.9 | 29.0 |
| 1/4 | 6.4 | 29.0 |
| crk | 6.1 | 29.3 |
| +15 | 5.4 | 30.0 |
| N | 4.4 | 31.0 |

35.37

0+25' E of sec R.

| | | |
|---|---|---|
| N | 1.2 | 34.2 |
| +8 | 2.1 | 33.3 |
| +10 | 5.3 | 30.1 |
| crk | 5.7 | 29.7 |
| "4 | 6.2 | 29.2 |
| +12 | 6.8 | 28.6 |
| +14 | 8.9 | 26.5 |
| +19 | 9.2 | 26.2 |
| M | 7.7 | 27.7 |
| + 4 = 2' M | 7.5 | 27.9 |
| + 8 = ch. | 6.5 | 28.9 |
| + 13 = 2' S | 7.1 | 28.3 |
| +16 | 8.6 | 26.8 |
| "9 | 8.6 | 26.8 |
| crk | 9.5 | 25.9 |
| S | 10.7 | 24.7 |
| 0+150 | ~~[illegible]~~ | |
| S | 10.6 | 24.8 |
| crk | 9.9 | 25.5 |
| "9 | 8.8 | 26.6 |
| +9 = 2' S | 7.4 | 28.0 |
| +13 = ch. track | 6.9 | 28.5 |
| +15 = 2' N | 7.7 | 27.7 |
| M. st. | 8.0 | 27.4 |
| +3 | 9.6 | 25.8 |
| +8 | 9.1 | 26.3 |
| +14 | 5.5 | 29.9 |
| "9 | 5.3 | 29.6 |
| crk | 4.8 | 30.6 |
| +10 | 4.6 | 30.8 |
| +17 | +0.4 | 35.8 |
| N | +1.0 | 36.4 |

L

35.37

0+75

| | | |
|---|---|---|
| N | +3.2 | 38.6 |
| +8 | +2.2 | 37.6 |
| +10 | 3.7 | 31.7 |
| crk | 4.5 | 30.9 |
| "4 | 5.0 | 30.0 |
| +7 | 5.7 | 29.7 |
| +11 | 9.3 | 26.1 |
| +19 | 9.7 | 25.7 |
| M | 8.8 | 26.6 |
| +3 = 2' N | 8.2 | 27.2 |
| +7 ch T | 7.3 | 28.1 |
| +12 = 2' S | 7.8 | 27.6 |
| "4 | 9.2 | 26.2 |
| crk | 10.3 | 25.1 |
| S | 11.0 | 24.4 |
| 1+0 | | |
| S | 11.6 | 23.8 |
| crk | 10.7 | 24.7 |
| "4 | 9.6 | 25.8 |
| +9 = 2' S | 8.3 | 27.1 |
| +13 = ch. track | 7.7 | 27.7 |
| +18 = 2' N | 8.9 | 27.0 |
| +19 | 8.5 | 26.9 |
| M | 9.9 | 25.5 |
| +7 | 9.2 | 26.2 |
| +10 | 6.1 | 29.3 |
| "4 | 4.9 | 30.5 |
| crk | 4.3 | 31.1 |
| +10 | 4.1 | 31.3 |
| +13 | +4.3 | 39.7 |
| N | +3.7 | 39.1 |

35.37

| | | |
|---|---|---|
| 1+25 | | |
| N | +4.5 | 39.9 |
| +6 | +4.6 | 40.0 |
| +10 | 4.5 | 30.9 |
| crk | 4.4 | 31.0 |
| "9 | 5.3 | 30.1 |
| +13 | 6.5 | 28.9 |
| +16 | 9.5 | 25.9 |
| M | 9.5 | 25.9 |
| +4 = 2' N | 8.9 | 26.5 |
| +8 = ch Track | 8.2 | 27.2 |
| +13 = 2's | 8.6 | 26.8 |
| "4 | 9.9 | 25.5 |
| crk | 11.1 | 24.3 |
| S | 12.1 | 23.3 |
| 1+50 | | |
| S | 12.5 | 22.9 |
| crk | 11.5 | 23.6 |
| "4 | 10.3 | 25.1 |
| + 11 = 2's | 9.1 | 26.3 |
| +15 | 8.7 | 26.7 |
| +20 | 9.3 | 26.1 |
| M | 9.6 | 25.8 |
| 10 | 9.1 | 26.3 |
| 15 | 6.0 | 29.4 |
| "9 | 5.7 | 29.7 |
| crk | 4.4 | 31.0 |
| +13 | 4.4 | 31.0 |
| N | +5.1 | 40.5 |

35.37

| | | |
|---|---|---|
| 1+75 | | |
| N | +3.5 | 38.9 |
| +6 | 4.6 | 30.8 |
| crk | 5.2 | 30.2 |
| "9 | 6.0 | 29.4 |
| +9 | 7.6 | 27.8 |
| +12 | 9.3 | 26.1 |
| M | 9.9 | 25.5 |
| +1-2' N | 9.8 | 25.6 |
| +5: ch | 9.1 | 26.3 |
| +10 = 2's | 9.5 | 25.9 |
| "9 | 11.0 | 24.4 |
| crk | 12.4 | 23.0 |
| S | 13.7 | 21.7 |
| 2+0 | | |
| S | 14.4 | 21.0 |
| crk | 13.0 | 22.4 |
| "9 | 11.8 | 23.6 |
| +13 = 2's | 10.0 | 25.4 |
| +17 = ch | 9.4 | 26.0 |
| M = 2' N | 10.1 | 25.3 |
| +3 | 11.1 | 24.3 |
| +6 | 9.4 | 26.0 |
| "4 | 6.4 | 29.0 |
| crk | 5.5 | 29.9 |
| +15 | 4.2 | 31.2 |
| N | 0.3 | 35.1 |

35.37

2+25

| | | |
|---|---|---|
| N | 4.5 | 30.9 |
| Ctr | 5.3 | 30.1 |
| 1/4 | 6.7 | 28.7 |
| +9 | 9.2 | 26.2 |
| +11 | 11.9 | 23.5 |
| +19 = 2' | 10.5 | 24.9 |
| M | 10.0 | 25.4 |
| +2 = ctr T | 9.0 | 26.4 |
| +7 = 2' S | 10.5 | 24.9 |
| 1/4 | 12.4 | 23.0 |
| ctr | 13.4 | 22.0 |
| S | 15.7 | 19.7 |

1-sec "S" = 2+43.5 on N.

| | | |
|---|---|---|
| S | 17.0 | 18.4 |
| ctr | 14.1 | 21.3 |
| 1/4 | 13.8 | 21.6 |
| +19 = 2' S | 11.0 | 24.4 |
| M | 10.4 | 25.0 |
| +2 = ctr | 10.4 | 25.0 |
| +7 = 2' N | 11.2 | 24.2 |
| +14 | 14.0 | 21.4 |
| 1/4 | 9.4 | 26.0 |
| +12 | 6.7 | 28.7 |
| ctr | 5.8 | 29.6 |
| N | 4.4 | 31.0 |

35.4

1-sec "T"

| | | |
|---|---|---|
| N | 8.0 | 27.4 |
| +15 | 9.0 | 26.4 |
| +22 | 11.8 | 23.6 |
| +29 = 2' N rail | 11.7 | 28.7 |
| +34 = ctr track | 11.0 | 24.4 |
| +39 = 2' S | 11.5 | 23.9 |
| +44 | 11.8 | 23.6 |
| +48 | 13.5 | 21.9 |
| +60 | 13.5 | 21.9 |
| +63 | 14.8 | 20.6 |
| +80 | 14.3 | 21.1 |
| ~~1+06~~ 5 | ~~17.0~~ | 18.4 |

POSTED

X sect. Spruce from Front

| | | | | | |
|---|---|---|---|---|---|
| T.P. | | 0.30 | 232.54 | | 232.24 |
| | | West line 1st | | | |
| No. line | | | | 0.3 | 323.2 |
| | | | | 0.9 | |
| | | | | 0.9 | |
| C | | | | 0.8 | 231.7 |
| | | | | 1.0 | |
| | | | | 1.2 | |
| So. line | | | | 1.4 | 231.1 |
| | | 25' west | | | |
| So. line | | | | 4.8 | 227.7 |
| | | | | 4.6 | |
| | | | | 4.4 | |
| C | | | | 3.7 | 228.8 |
| | | | | 3.1 | |
| | | | | 2.5 | |
| No. line | | | | 2.6 | 229.9 |

to Brant. May 7 & 9/10 { Childs Butler Tayler



| | | | | | |
|---|---|---|---|---|---|
| | | 50' west | | | |
| No. line | | | | 4.0 | 228.5 |
| | | | | 4.1 | |
| | | | | 4.4 | |
| C | | | | 5.1 | 227.4 |
| | | | | 5.6 | |
| | | | | 6.2 | |
| So. line | | | | 6.7 | 225.8 |
| | | 75' west | | | |
| So. line | | | | 8.6 | 223.9 |
| | | | | 7.5 | |
| | | | | 6.9 | |
| C | | | | 6.6 | 225.9 |
| | | | | 6.1 | |
| | | | | 5.8 | |
| No. line | | | | 5.8 | 226.7 |

100' west

| | | | |
|---|---|---|---|
| no. line | | 7.9 | 227.6 |
| | | 8.0 | |
| | | 7.8 | |
| C | | 8.1 | 224.4 |
| | | 8.4 | |
| | | 8.7 | |
| so. line | | 10.4 | 222.1 |

114' west

| | | | |
|---|---|---|---|
| so. line | | 11.2 | 221.3 |
| | | 9.7 | |
| | | 9.4 | |
| C | | 9.4 | 223.1 |
| | | 9.2 | |
| | | 9.5 | |
| no. line | | 10.3 | 222.2 |

232.54

125' west

| | | | |
|---|---|---|---|
| no. line | | 14.7 | 217.8 |
| | | 13.8 | |
| | | 11.4 | |
| C | | 10.9 | 221.6 |
| | | 10.3 | |
| | | 10.5 | |
| so. line | | 12.0 | 220.5 |

143' west

| | | | |
|---|---|---|---|
| T.P. | 0.80 221.18 | 12.16 | 220.58 |
| so. line | | 2.1 | 219.1 |
| | | 1.3 | |
| | | 1.7 | |
| C | | 3.6 | 217.6 |
| | | 5.6 | |
| | | 6.8 | |
| no. line | | 9.5 | 211.7 |

221.18

| | | | |
|---|---|---|---|
| | 150° west | | |
| No. line | | 11.6 | 209.6 |
| | | 9.8 | |
| | | 9.5 | |
| C | | 7.5 | 213.7 |
| | | 7.6 | |
| | | 9.4 | |
| So. line | | 5.9 | 215.3 |
| | 157° west | | |
| So. line | | 11.2 | 210.0 |
| | | 12.9 | |
| | | 9.9 | |
| C | | 8.2 | 213.0 |
| | | 9.8 | |
| | | 12.3 | |
| No. line | | 15.4 | 205.8 |

| | | | |
|---|---|---|---|
| J.P. | 0.80 | 209.28 | 12.70 | 208.48 |
| | 175° west | | | |
| No. line | | | 14.0 | 195.3 |
| | | | 12.7 | |
| | | | 9.0 | |
| C | | | 3.6 | 205.7 |
| | | | 8.8 | |
| | | | 9.6 | |
| So. line | | | 8.5 | 200.8 |
| | 181° west | | | |
| So. line | | | 13.4 | 195.9 |
| | | | 11.6 | |
| | | | 9.3 | |
| C | | | 5.6 | 203.7 |
| | | | 10.2 | |
| | | | 14.6 | |
| No. line | | | 16.6 | 192.7 |

| | | | | |
|---|---|---|---|---|
| J.P. | 0.20 | 196.69 | 12.79 | 196.49 |
| | 200 west (East line alinter | | | |
| no. line | | | 12.1 | 184.6 |
| | | | 9.0 | |
| | | | 4.6 | |
| C | | | 4.5 | 192.2 |
| | | | 6.8 | |
| | | | 9.7 | |
| so. line | | | 10.2 | 186.5 |
| | East cb. | | | |
| so. line | | | 15.0 | 181.7 |
| | | | 13.6 | |
| | | | 10.7 | |
| C | | | 8.6 | 188.1 |
| | | | 10.2 | |
| | | | 13.9 | |
| no. line | | | 17.6 | 179.1 |

| | | | | |
|---|---|---|---|---|
| J.P. | 0.73 | 184.84 | 12.58 | 184.11 |
| no. line | East ¼ | | 10.2 | 174.6 |
| | | | 7.0 | |
| | | | 2.3 | |
| C | | | 0.8 | 184.0 |
| | | | 3.6 | |
| | | | 6.2 | |
| so. line | | | 7.8 | 177.0 |
| | Center | | | |
| so. line | | | 11.5 | 173.5 |
| | | | 10.3 | |
| | | | 7.9 | |
| C | | | 7.6 | 177.2 |
| | | | 8.7 | |
| | | | 10.8 | |
| no. line | | | 13.8 | 171.0 |

| | | | | |
|---|---|---|---|---|
| T.P. | 1.99 | 174.25 | 12.58 | 172.26 |
| | west 1/4 | | | |
| no. line | | | 6.8 | 167.5 |
| | | | 4.5 | |
| | | | 2.9 | |
| C | | | 2.6 | 171.7 |
| | | | 2.2 | |
| | | | 2.0 | |
| so. line | | | 3.1 | 171.2 |
| | west 1/8. | | | |
| so. line | | | 8.2 | 166.1 |
| | | | 7.6 | |
| | | | 8.3 | |
| C | | | 8.1 | 166.2 |
| | | | 8.4 | |
| | | | 9.3 | |
| no. line | | | 10.2 | 164.1 |

west line albatross

| | | | | |
|---|---|---|---|---|
| no. line | | | 13.2 | 161.1 |
| | | | 13.2 | |
| | | | 12.2 | |
| C | | | 11.1 | 163.2 |
| | | | 10.7 | |
| | | | 11.9 | |
| so. line. | | | 13.1 | 161.2 |
| T.P. | 7.54 | 168.90 | 12.89 | 161.36 |
| | 25' west | | | |
| so. line | | | 15.5 | 153.4 |
| | | | 14.9 | |
| | | | 14.3 | |
| C | | | 13.8 | 155.1 |
| | | | 13.3 | |
| | | | 12.6 | |
| no. line | | | 12.1 | 156.8 |

| | | | |
|---|---|---|---|
| | 35' west | | |
| no. line | 9.6 | 159.3 | |
| | 9.8 | | |
| | 9.6 | | |
| C | 10.6 | 158.3 | |
| | 10.6 | | |
| | 12.9 | | |
| no. line | 13.6 | 155.3 | |
| | 50' west | | |
| no. line | 11.7 | 157.2 | |
| | 11.0 | | |
| | 8.5 | | |
| C | 7.5 | 161.4 | |
| | 6.2 | | |
| | 5.2 | | |
| no. line | 3.7 | 165.2 | |

| | | | |
|---|---|---|---|
| | 168.90 | | |
| | 75' west | | |
| D | 1.1 | 167.8 | |
| | 3.9 | | |
| | 7.6 | | |
| no. line | 9.7 | 159.2 | |
| | 100' west | | |
| no. line | 5.9 | 163.0 | |
| no. cl. | 2.1 | | |
| T.P. | 13.02 181.09 | 0.83 | 168.07 |
| | 75' west | | |
| no. 1/4 | 12.2 | 168.9 | |
| | 10.9 | | |
| no. line | 8.8 | 172.3 | |
| | 100' west | | |
| no. 1/4 | 2.9 | 178.2 | |
| C | 6.2 | 174.7 | |
| no. 1/4 | 9.5 | | |

181.09

125' west

| | | | | |
|---|---|---|---|---|
| so. line | | | 12.5 | 168.6 |
| + 2' no. | | | 16.0 | |
| + 4' no. of prop. | | | 13.0 | |
| do. | | | 7.3 | |
| so. 1/4 | | | 2.7 | |

150' west

| | | | | |
|---|---|---|---|---|
| so line | | | 3.0 | 178.1 |
| + 5' no. | | | 6.2 | |
| + 7' no. | | | 8.0 | |
| so. do | | | 5.5 | |
| S.P. | 12.48 | 192.87 | 0.70 | 180.39 |

100' west

| | | | | |
|---|---|---|---|---|
| no. line | | | 7.8 | 185.1 |
| no. do | | | 10.3 | |

125' west

| | | | | |
|---|---|---|---|---|
| no. line | | | -1.4 | 194.3 |
| | | | 3.6 | |
| | | | 7.6 | |
| C | | | 11.7 | 181.2 |

150' west

| | | | | |
|---|---|---|---|---|
| so 1/4 | | | 9.7 | |
| C | | | 6.0 | 186.9 |
| so 1/4. | | | 1.2 | |

163' west

| | | | | |
|---|---|---|---|---|
| C | | | 3.0 | 189.9 |
| | | | 7.8 | |
| | | | 13.6 | |
| so line | | | 8.9 | 184.0 |

192.87

175' west

| | | | |
|---|---|---|---|
| So. line | 4.8 | 188.1 | |
| | 11.3 | | |
| cb + 2' | 13.6 | | |
| So 1/4 | 6.5 | | |
| J.P. | 12.55 | 204.95 | 0.47 | 192.40 |

150' west

| | | |
|---|---|---|
| no cb | 8.7 | 196.3 |
| no line | 3.8 | 201.2 |

163' west

| | | |
|---|---|---|
| no cb | 3.9 | |
| no 1/4 | 8.5 | |

175' west

| | | |
|---|---|---|
| no. 1/4 | 6.4 | |
| C | 10.8 | 194.2 |

204.95

200' west (East line Brant)

| | | | |
|---|---|---|---|
| So line | 9.1 | 195.9 | |
| | 15.0 | 190.0 | |
| | 11.5 | 193.5 | |
| C | 6.2 | 198.8 | |
| East cb. | | | |
| So line | 3.7 | 201.3 | |
| | 10.2 | 194.8 | |
| So 1/4 | 9.3 | 195.7 | |
| J.P. | 12.93 | 217.00 | 0.88 | 204.07 |

163' west

| | | |
|---|---|---|
| No line | 11.4 | 205.6 |

175' west

| | | |
|---|---|---|
| No line | 3.9 | 213.1 |
| no. cb. | 8.9 | 206.0 |

217.00

200' west (East line Brant.

| | | |
|---|---|---|
| no. cb | 1.9 | 215.1 |
| no 1/4 | 8.7 | 208.3 |
| East cb | | |
| c | 10.3 | 206.7 |
| no 1/4 | 3.5 | 213.5 |
| East 1/4 | | |
| no 1/4 | 1.9 | 215.1 |
| c | 6.9 | 210.1 |
| | 10.5 | 206.5 |
| | 12.1 | 204.9 |
| so line | 8.9 | 208.1 |
| Center | | |
| so line | 3.8 | 213.2 |
| | 5.8 | 211.2 |
| | 4.4 | 212.6 |
| c | 2.5 | 214.5 |



| | | | |
|---|---|---|---|
| T.P. | 13.00 | 229.19 | 0.81 | 216.19 |
| 200' west (East line Brant) | | | |
| no line | | 7.4 | 221.8 |
| East cb. | | | |
| no line | | 4.6 | 224.6 |
| no. cb. | | 10.0 | 219.2 |
| East 1/4 | | | |
| no line | | 3.6 | 225.6 |
| no. cb. | | 7.5 | 221.7 |
| Center | | | |
| no line | | 2.5 | 226.7 |
| | | 5.7 | 223.5 |
| no 1/4 | | 9.5 | 219.7 |

229.2

west 1/4

| | | |
|---|---|---|
| no line | 1.6 | 227.6 |
| | 4.1 | 225.1 |
| | 3.9 | 225.3 |
| c | 5.7 | 223.5 |
| | 7.8 | 221.4 |
| | 8.4 | 220.8 |
| so. line | 7.4 | 221.8 |

west cb.

| | | |
|---|---|---|
| so line | 3.4 | 225.8 |
| | 3.4 | 225.8 |
| | 3.4 | 225.8 |
| c | 3.1 | 226.1 |
| | 2.8 | 226.4 |
| | 2.9 | 226.3 |
| no. line | 1.3 | 227.9 |



west cb.

| | | |
|---|---|---|
| No. line | 0.3 | 228.9 |
| | 1.4 | 227.8 |
| | 2.2 | 227.0 |
| c | 2.9 | 226.3 |
| | 3.4 | 225.8 |
| | 3.4 | 225.8 |
| so line | 3.5 | 225.7 |

west line Brant.

| | | |
|---|---|---|
| so. line | 3.6 | 225.6 |
| | 4.0 | 225.2 |
| | 3.8 | 225.4 |
| c | 3.8 | 225.4 |
| | 3.3 | 225.9 |
| | 3.0 | 226.2 |
| no line | 1.3 | 227.9 |

X sect. albatross from walnut to repas. 252.75 may 9/10 Fields Butler Taylor

43

So. line walnut.

| | | | | |
|---|---|---|---|---|
| T.P. | 1.85 | 252.75 | | 250.90 |
| E. line | | | 3.7 | 249.1 |
| | | | 3.8 | 249.0 |
| | | | 4.8 | 248.0 |
| C | | | 4.6 | 248.2 |
| | | | 5.0 | 247.8 |
| | | | 5.0 | 247.8 |
| west line | | | 5.7 | 247.1 |
| | 25' So. | | | |
| W. line | | | 5.4 | 247.4 |
| | | | 4.6 | 248.2 |
| | | | 4.6 | 248.2 |
| C | | | 4.7 | 248.1 |
| | | | 4.5 | 248.3 |
| | | | 4.1 | 248.7 |
| E line | | | 4.2 | 248.6 |

50' So.

| | | | | |
|---|---|---|---|---|
| E line | | | 4.2 | 248.6 |
| | | | 4.5 | 248.3 |
| | | | 4.7 | 248.1 |
| C | | | 4.5 | 248.3 |
| | | | 5.1 | 247.7 |
| | | | 4.9 | 247.9 |
| W line | | | 5.4 | 247.4 |
| | 75' So. | | | |
| W. line | | | 5.4 | 247.4 |
| | | | 4.7 | 248.1 |
| | | | 5.1 | 247.7 |
| C | | | 4.7 | 248.1 |
| | | | 4.8 | 248.0 |
| | | | 5.0 | 247.8 |
| E line | | | 4.7 | 248.1 |

100' So.

| | | |
|---|---|---|
| E line | 5.1 | 247.7 |
| | 5.3 | 247.5 |
| | 4.8 | 248.0 |
| C | 4.6 | 248.2 |
| | 4.8 | 248.0 |
| | 4.8 | 248.0 |
| W line | 5.3 | 247.5 |

125 So.

| | | |
|---|---|---|
| W. line | 5.3 | 247.5 |
| | 5.4 | 247.4 |
| | 4.8 | 248.0 |
| C | 5.1 | 247.7 |
| | 5.7 | 247.1 |
| | 5.7 | 247.1 |
| E line | 5.2 | 247.6 |

150' So.

| | | |
|---|---|---|
| E line | 6.1 | 246.7 |
| | 5.9 | 246.9 |
| | 6.0 | 246.8 |
| C | 5.2 | 247.6 |
| | 4.9 | 247.9 |
| | 4.9 | 247.9 |
| W. line | 5.0 | 247.8 |

No. line upon. (165.9) So.
Center distance

| | | |
|---|---|---|
| W. line | 4.8 | 248.0 |
| | 4.9 | 247.9 |
| | 4.6 | 248.2 |
| C | 4.9 | 247.9 |
| | 6.1 | 246.7 |
| | 6.0 | 246.8 |
| E line | 6.2 | 246.6 |

| | | | |
|---|---|---|---|
| | No. Cb. | | |
| E line | | 6.3 | 246.5 |
| | | 6.1 | 246.7 |
| | | 5.7 | 247.1 |
| C | | 5.2 | 247.6 |
| | | 5.0 | 247.8 |
| | | 4.3 | 248.5 |
| W line | | 4.3 | 248.5 |
| | No. 1/4 | | |
| W. line | | 4.5 | 248.3 |
| | | 4.1 | 248.7 |
| | | 4.5 | 248.3 |
| C | | 5.3 | 247.5 |
| | | 5.9 | 246.9 |
| | | 6.1 | 246.7 |
| E line | | 6.9 | 245.9 |

| | | | |
|---|---|---|---|
| | Center | | |
| E line | | 8.0 | 244.8 |
| | | 6.6 | 246.6 |
| | | 6.0 | 246.8 |
| | | 5.6 | 247.2 |
| C | | 4.9 | 247.9 |
| | | 4.2 | 248.6 |
| | | 3.9 | 248.9 |
| W line | | | |
| | So 1/4 | | |
| W. line | | 3.8 | 249.0 |
| | | 4.3 | 248.5 |
| | | 4.7 | 248.1 |
| | | 5.7 | 247.1 |
| C | | 6.2 | 246.6 |
| | | 7.5 | 245.3 |
| | | 9.2 | 243.6 |
| E line | | | |

252,75

20 lb.

| | | |
|---|---|---|
| E line | 10.7 | 242.1 |
| | 8.9 | 243.9 |
| | 7.1 | 245.7 |
| C | 6.2 | 246.6 |
| | 5.6 | 247.2 |
| | 4.3 | 248.5 |
| W line | 3.7 | 249.1 |

South line of pas.

| | | |
|---|---|---|
| W. line | 4.0 | 248.8 |
| | 4.6 | 248.2 |
| | 5.4 | 247.4 |
| C | 7.0 | 245.8 |
| | 8.4 | 244.4 |
| | 9.5 | 243.5 |
| E line | 13.2 | 239.6 |

252,75

X section upas. albatross to Brant.

252,75 may 9/10 Childs Barton Taylor

west line albatross

| | | |
|---|---|---|
| N. line | 4.8 | 248.0 |
| | 4.3 | 248.5 |
| | 4.5 | 248.3 |
| C | 3.9 | 248.9 |
| | 3.8 | 249.0 |
| | 3.7 | 249.1 |
| So. line | 4.0 | 248.8 |

25' west

| | | |
|---|---|---|
| So. line | 3.6 | 249.2 |
| | 3.6 | 249.2 |
| | 3.9 | 248.9 |
| C | 4.1 | 248.7 |
| | 4.3 | 248.5 |
| | 4.7 | 248.1 |
| N. line | 5.4 | 247.4 |

50' west

| | | |
|---|---|---|
| No. line | 6.1 | 246.7 |
| | 5.2 | 247.6 |
| | 5.1 | 247.7 |
| C | 4.6 | 248.2 |
| | 4.1 | 248.7 |
| | 4.0 | 248.8 |
| So. line | 3.7 | 249.1 |

75' west

| | | |
|---|---|---|
| So. line | 4.6 | 248.2 |
| | 4.9 | 247.9 |
| | 5.2 | 247.6 |
| C | 5.6 | 247.2 |
| | 6.4 | 246.4 |
| | 6.6 | 246.2 |
| No. line | 7.3 | 245.5 |

252.8

100' west

| | | |
|---|---|---|
| no. line | 8.0 | 244.8 |
| | 7.7 | 245.1 |
| | 7.3 | 245.5 |
| c | 6.9 | 245.9 |
| | 6.4 | 246.4 |
| | 6.0 | 246.8 |
| so. line | 5.7 | 247.1 |

125' west

| | | |
|---|---|---|
| so. line | 6.6 | 246.2 |
| | 6.9 | 245.9 |
| | 7.4 | 245.4 |
| c | 7.7 | 245.1 |
| | 8.1 | 244.7 |
| | 8.1 | 244.7 |
| no. line | 8.5 | 244.3 |



150' west

| | | |
|---|---|---|
| no. line | 8.9 | 243.9 |
| | 8.9 | 243.9 |
| | 8.5 | 244.3 |
| c | 8.2 | 244.6 |
| | 8.0 | 244.8 |
| | 7.8 | 245.0 |
| so. line | 7.7 | 245.1 |

175' west

| | | |
|---|---|---|
| so. line | 7.9 | 244.9 |
| | 8.4 | 244.4 |
| | 8.6 | 244.2 |
| c | 8.9 | 243.9 |
| | 9.4 | 243.4 |
| | 9.7 | 243.1 |
| no. line | 9.7 | 243.1 |

252.8

200' west (East line Brant)

| | | |
|---|---|---|
| no. line | 13.0 | 239.8 |
| | 10.3 | 242.5 |
| | 9.9 | 242.9 |
| C | 9.8 | 243.0 |
| | 9.3 | 243.5 |
| | 9.1 | 243.7 |
| so. line | 8.6 | 244.2 |

East ¼

| | | |
|---|---|---|
| so. line | 8.8 | 244.0 |
| | 9.0 | 243.8 |
| | 9.4 | 243.4 |
| C | 9.9 | 242.9 |
| | 10.1 | 242.7 |
| | 10.7 | 242.1 |
| no. line | 12.4 | 240.4 |



252.75

East ¼

| | | |
|---|---|---|
| no. line | 12.3 | 240.5 |
| | 11.1 | 241.7 |
| | 10.2 | 242.6 |
| C | 10.1 | 242.7 |
| | 9.4 | 243.4 |
| | 9.2 | 243.6 |
| so. line | 8.8 | 242.0 |

Center

| | | |
|---|---|---|
| so. line | 9.3 | 243.5 |
| | 9.6 | 243.2 |
| | 9.8 | 243.0 |
| C | 10.3 | 242.5 |
| | 10.7 | 242.1 |
| | 11.1 | 241.7 |
| no. line | 11.7 | 241.1 |

see page 66

Levels Taken at toe of slopes in Canyons of Maryland St — Dunkle, 9/1/09 Shaw, Dezier

| | | | | |
|---|---|---|---|---|
| B.M. R.R. SPK. N.E. Maryland & Madison | | | | 350.16 |
| B.M. | 0.26 | 350.42 | | |
| T.P. | 4.38 | 343.63 | 11.17 | 339.25 |

POSTED

2442.65 S of Madison = ctr Oklahoma St.

| | | |
|---|---|---|
| est. Grade | | 339.00 |
| Toe of Slope = 5' from W.L. Maryland | 7.93 | 335.7 |

S.L. Oklahoma St

| | | |
|---|---|---|
| est Grade | | 339.25 |
| Toe of Slope = 15' W. of Maryland. | 14.2 | 329.4 |

0+25 S. of Oklahoma

| | | |
|---|---|---|
| est Grade | | 339.46 |
| Toe of Slope = 29.7 W. of Md. | 24.0 | 319.6 |

0+50

| | | |
|---|---|---|
| est. Grade | | 339.67 |
| Toe of Slope = 45' W. of Md. | 33.9 | 309.7 |

0+70' S. of Oklahoma

| | | |
|---|---|---|
| est. Grade | | 339.84 |
| Toe of Slope = 60.6 | 44.2 | 299.4 |

Note — No Canyon on E. side to effect yardage



1+0 S. of Oklahoma.

| | | |
|---|---|---|
| est. Grade | | 340.09 |
| Toe of Slope = 21.7 W. of Md. | 18.10 | 325.5 |

1+25 S of Oklahoma

| | | |
|---|---|---|
| est. Grade | | 340.30 |
| Toe of Slope = 11.1' | 10.7 | 332.9 |

POSTED

Toe of Slope Canyon between Van Buren & Meade

| | | | | |
|---|---|---|---|---|
| B.M. S.M.B.R. 8th Cleveland & Meade | | | | 349.86 |
| B.M. | 0.91 | 345.77 | | |
| T.P. | 1.22 | 335.73 | 11.26 | 334.51 |
| T.P. | 0.07 | 323.00 | 12.80 | 322.93 |

2+90 S. of Arch St on W.L. Maryland,

| | | | | |
|---|---|---|---|---|
| est. Grade | | | | 314.23 |
| Toe of Slope = 12.3' W. of W.L. Md. | | | 16.9 | 306.1 |

3+40 S. of Arch St on W.L. Md.

| | | | | |
|---|---|---|---|---|
| est. Grade | | | | 312.48 |
| Toe of Slope = 37' W. of W.L. Md, | | | 35.1 | 287.9 |

3+60 S. of Arch on W.L. Md,

| | | | | |
|---|---|---|---|---|
| est. Grade | | | | 311.77 |
| Toe of Slope = 49.4' W. of Md. | | | 44.2 | 278.8 |

3+90 S. of Arch. on W.L. Md.

| | | | | |
|---|---|---|---|---|
| est Grade | | | | 310.70 |
| Toe of Slope = 15.7' W. of Md | | | 22.8 | 300.2 |
| T.P. | 1.29 | 311.72 | 12.57 | 310.43 |
| T.P. | 2.78 | 302.69 | 11.81 | 299.91 |

Note. No canyon on E. side To effect yardage

Toe Canyon between Arnold & Van Buren W. Side of Maryland,



302.69 H.I.,

1+50 N. of Arnold on W.L. Md,

| | | | |
|---|---|---|---|
| est. Grade | | | 298.07 |
| Toe of Slope = 10.8' W. of Md. | | 12.5 | 290.2 |

2+00 N. of Arnold on W.L. Md.

| | | | |
|---|---|---|---|
| est. Grade | | | 295.91 |
| Toe of Slope = 57.3' W. of Md. | | 42.00 | 260.7 |

2+25 N. of Arnold on W.L. Md.

| | | | |
|---|---|---|---|
| est. Grade | | | 299.38 |
| Toe of Slope = 87' W. of W.L. Md, | | 61.0 | 241.7 |

2+50 N. of Arnold, on W.L. Md,

| | | | |
|---|---|---|---|
| est. Grade | | | 299.95 |
| Toe of Slope = 64.4 | | 45.3 | 257.4 |

S.L. Van Buren - W.L. Md,

| | | | |
|---|---|---|---|
| est Grade | | | 301.25 |
| Toe of Slope, | | 15.2 | 287.5 |

for Canyon bet Arnold & VanBoren E. side of Maryland,

302.69 H.I.

1+0 N. of Arnold on E. L. Md.

est. Grade 298.17

Toe of slope 12 E. of Md. 12.1 290.6

1+50 N of Arnold.

est. Grade 299.13

Toe of slope, 12 E. of Md. 12.1 290.6

X-section Payn St San Diego Ave To Jaun St Dunkle
9/8/09 Shaw
Digis

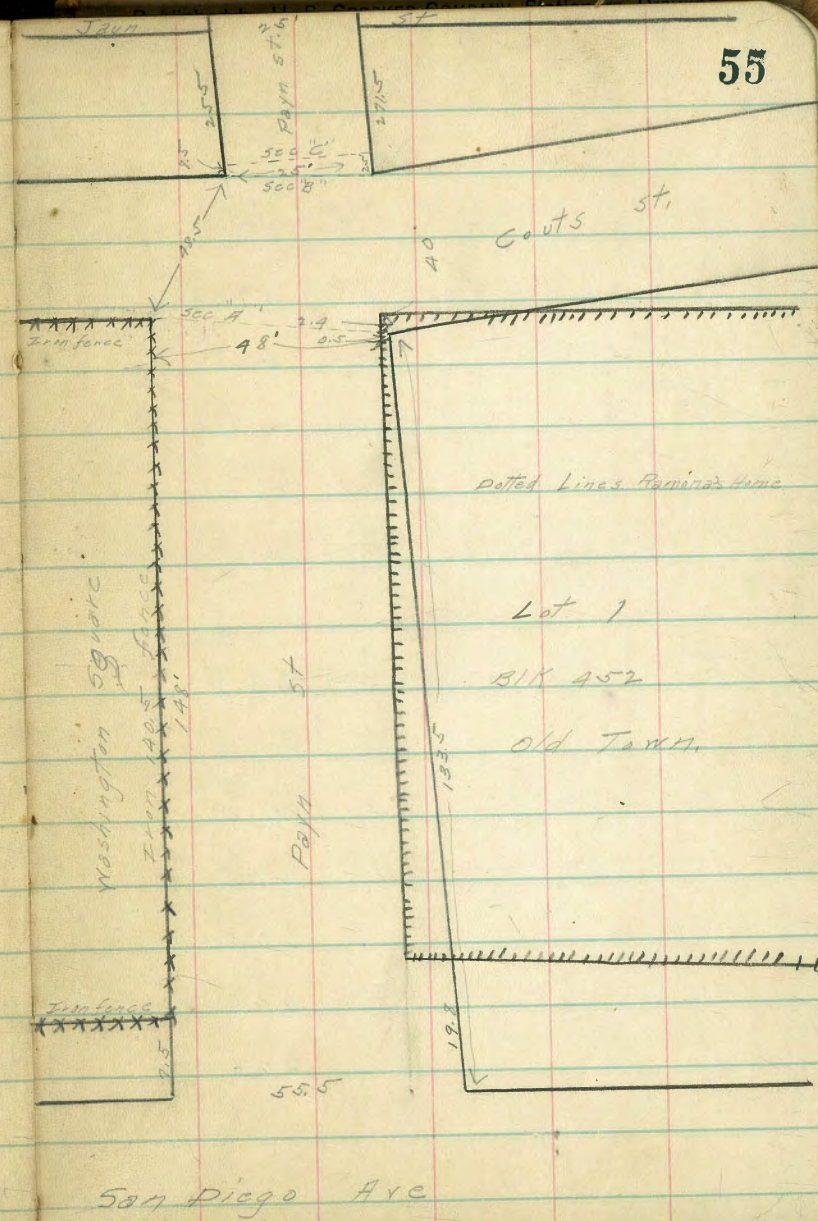
B.M. Jack Top pole N.E. San Diego & Payn 23.46

B.M. 2.22 25.68

E.L. San Diego Ave

| | | |
|---|---|---|
| N | 6.5 | 19.2 |
| Crb | 5.4 | 20.3 |
| 1/4 | 5.3 | 20.4 |
| M | 5.0 | 20.7 |
| 1/4 | 4.9 | 20.6 |
| Crb | 4.9 | 20.6 |
| S | 4.7 | 21.0 |
| 0+25 | | |
| S | 4.4 | 21.3 |
| Crb | 4.4 | 21.3 |
| 1/4 | 4.9 | 20.8 |
| M | 5.2 | 20.5 |
| 1/4 | 5.3 | 20.4 |
| Crb | 5.4 | 20.3 |
| N | 5.5 | 20.2 |

POSTED



| | | | |
|---|---|---|---|
| | 25.68 | | |
| | 0+50 | | |
| N | 25.68 | 4.9 | 20.8 |
| crb | | 5.3 | 20.4 |
| "4 | | 5.1 | 20.6 |
| M | | 5.0 | 20.7 |
| "4 | | 4.3 | 21.4 |
| crb | | 3.7 | 22.0 |
| S | | 3.6 | 22.1 |
| | 0+75 | | |
| S | | 3.5 | 22.2 |
| crb | | 3.7 | 22.0 |
| "4 | | 4.7 | 21.0 |
| M | | 4.5 | 21.2 |
| "4 | | 4.6 | 21.1 |
| crb | | 4.8 | 20.9 |
| N | | 4.8 | 20.9 |

| | | | |
|---|---|---|---|
| | 1+0 | | |
| N | 25.68 | 4.6 | 21.1 |
| crb | | 4.4 | 21.3 |
| "4 | | 4.4 | 21.3 |
| M | | 4.2 | 21.5 |
| "4 | | 4.1 | 21.8 |
| crb | | 3.3 | 22.4 |
| S | | 2.9 | 22.8 |
| W.L. Coots - x-sec "A" | | | |
| S | | 2.4 | 23.3 |
| crb | | 2.9 | 22.8 |
| "4 | | 3.3 | 22.4 |
| M | | 3.3 | 22.4 |
| "4 | | 3.7 | 22.0 |
| crb | | 3.9 | 21.8 |
| N | | 4.2 | 21.5 |

POSTED

25.68

W. Curb Cuts

| | | | |
|---|---|---|---|
| N | 25.68 | 4.4 | 21.3 |
| Crb | | 3.4 | 22.3 |
| 114 | | 3.2 | 22.5 |
| M | | 3.2 | 22.5 |
| 114 | | 3.1 | 22.6 |
| Crb | | 2.7 | 23.0 |
| S | | 2.7 | 23.0 |

W 114

| | | | |
|---|---|---|---|
| S | | 2.2 | 23.5 |
| Crb | | 2.6 | 23.1 |
| 114 | | 2.9 | 22.8 |
| M | | 3.0 | 22.7 |
| 114 | | 3.1 | 22.6 |
| Crb | | 3.3 | 22.4 |
| N | | 4.0 | 21.7 |

Center

| | | | |
|---|---|---|---|
| N | 25.68 | 3.8 | 21.9 |
| Crb | | 2.9 | 22.8 |
| 114 | | 2.9 | 22.8 |
| M | | 2.8 | 22.9 |
| 114 | | 2.7 | 23.0 |
| Crb | | 2.5 | 23.2 |
| S | | 2.1 | 23.6 |

E. 114

| | | | |
|---|---|---|---|
| S | | 2.2 | 23.5 |
| Crb | | 2.4 | 23.3 |
| 114 | | 2.7 | 23.0 |
| M | | 2.8 | 22.9 |
| 114 | | 2.8 | 22.9 |
| Crb | | 2.8 | 22.9 |
| N | | 3.5 | 22.2 |

| | | | | |
|---|---|---|---|---|
| | 25.68 | | | |
| | E. curb | | | |
| ✓ | 25.68 | 3.0 | 22.7 | |
| curb | | 2.6 | 23.1 | |
| 1/4 | | 2.5 | 23.2 | |
| M | | 2.4 | 23.3 | |
| 1/4 | | 2.4 | 23.3 | |
| curb | | 2.5 | 23.2 | |
| S | | 2.4 | 23.3 | |
| | E.L. Cuts = sec. "B" | | | |
| S | | 2.4 | 23.3 | |
| curb | | 2.4 | 23.3 | |
| 1/4 | | 2.3 | 23.4 | |
| M | | 2.2 | 23.5 | |
| 1/4 | | 2.3 | 23.4 | |
| curb | | 2.4 | 23.3 | |
| N | | 2.3 | 23.4 | |
| 6.52 | 30.81 | 1.69 | 23.99 | |
| T.P. | | | | |

| | | | |
|---|---|---|---|
| | 30.81 | | |
| | x-sec "C" | | |
| ✓ | 30.81 | 7.1 | 23.7 |
| +10 | | 7.2 | 23.6 |
| +15 | | 7.0 | 23.8 |
| +17 | | 6.9 | 23.9 |
| +19 | | 6.1 | 24.7 |
| +25=S.L. | | 5.9 | 24.9 |
| | 0+75 E. of sec "C" | | |
| S | | 5.4 | 25.4 |
| +5 | | 5.5 | 25.3 |
| +7 | | 6.4 | 24.4 |
| +10 | | 6.6 | 24.2 |
| +15 | | 6.8 | 24.0 |
| ✓ | | 6.9 | 23.9 |

30.81

0+50

| | | |
|---|---|---|
| 30.81 | 6.5 | 24.3 |
| | 6.4 | 24.4 |
| | 6.2 | 24.6 |
| | 6.0 | 24.8 |
| | 5.4 | 25.4 |
| | 5.0 | 25.8 |

0+75

| | | |
|---|---|---|
| | 4.8 | 26.0 |
| | 5.8 | 25.0 |
| | 5.8 | 25.0 |
| | 6.0 | 24.8 |
| | 5.9 | 24.9 |

1+0

| | | |
|---|---|---|
| | 5.6 | 25.2 |
| | 5.4 | 25.4 |
| | 5.2 | 25.6 |
| | 4.2 | 26.6 |

1+25

| | | |
|---|---|---|
| 30.81 | 4.7 | 26.1 |
| | 4.7 | 26.1 |
| | 4.7 | 26.1 |
| | 5.0 | 25.8 |

1+50

| | | |
|---|---|---|
| | 4.4 | 26.4 |
| | 4.4 | 26.4 |
| | 4.4 | 26.4 |
| | 4.4 | 26.4 |

1+75

| | | |
|---|---|---|
| | 4.2 | 26.6 |
| | 4.3 | 26.5 |
| | 4.6 | 26.2 |
| | 5.1 | 25.7 |

Published by H. S. CROCKER COMPANY, Stationers, Drawing



| | | | |
|---|---|---|---|
| | 30.81 | | |
| | 2+0 | | |
| N | 30.81 | 5.4 | 25.4 |
| +10 | | 5.0 | 25.8 |
| +15 | | 4.6 | 26.2 |
| 5 | | 4.4 | 26.4 |
| 2+46.5 E. of sec "C" = W.L. Jaun St | | | |
| 5 | | 3.3 | 27.5 |
| +10 | | 4.8 | 26.0 |
| +15 | | 5.0 | 25.8 |
| N | | 6.1 | 24.7 |

POSTED

x-section Couts st Payn to Twiggs 9/8/09 Dunkle
" 40' wide Shaw
B.M. Jack in Post N.E. Payn & San Diego 23.46 Dugil

| | | | | | |
|---|---|---|---|---|---|
| B.M. | 5.46 | 28.92 | | | |
| | N.L. Payn. | | | | |
| W | | | 2.4 | 26.5 | |
| crk | | | 2.7 | 26.2 | |
| 1/4 | | | 2.2 | 26.7 | |
| M | | | 2.1 | 26.8 | |
| 1/4 | | | 2.2 | 26.7 | |
| crk | | | 2.4 | 26.5 | |
| E | | | 2.4 | 26.5 | |
| | | 0+25 | | | |
| E | | | 4.5 | 24.4 | |
| crk | | | 5.1 | 23.8 | |
| 1/4 | | | 5.0 | 23.9 | |
| M | | | 4.4 | 24.5 | |
| 1/4 | | | 4.6 | 24.3 | |
| crk | | | 4.6 | 24.3 | |
| W | | | 4.6 | 24.3 | |

POSTED

| | | | | |
|---|---|---|---|---|
| | | 0+50 | | |
| W | | 28.92 | 4.4 | 24.5 |
| crk | | | 4.1 | 24.8 |
| 1/4 | | | 4.0 | 24.9 |
| M | | | 4.2 | 24.7 |
| 1/4 | | | 4.0 | 24.9 |
| crk | | | 3.8 | 25.1 |
| E | | | 3.0 | 25.9 |
| | | 0+75 | | |
| E | | | 2.1 | 26.8 |
| crk | | | 2.6 | 26.3 |
| 1/4 | | | 3.1 | 25.8 |
| M | | | 3.5 | 25.4 |
| 1/4 | | | 3.4 | 25.5 |
| crk | | | 3.6 | 25.3 |
| W | | | 3.8 | 25.1 |
| T.P. | 10.52 | 38.59 | 0.85 | 28.07 |

POSTED

| | | | |
|---|---|---|---|
| | 38.59 | | |
| | 1+0 | | |
| W | 38.59 | 12.3 | 26.3 |
| crb | | 11.9 | 27.4 |
| 1/4 | | 11.7 | 26.9 |
| M | | 11.6 | 27.0 |
| 1/4 | | 11.5 | 27.1 |
| crb | | 11.0 | 27.6 |
| E | | 10.3 | 28.3 |
| | 1+25 | | |
| E | | 9.9 | 29.6 |
| crb | | 10.1 | 28.5 |
| 1/4 | | 10.6 | 28.0 |
| M | | 10.6 | 28.0 |
| 1/4 | | 10.7 | 27.9 |
| crb | | 11.1 | 27.5 |
| W | | 11.6 | 27.0 |

| | | | |
|---|---|---|---|
| | 1+50 | | |
| W | 38.59 | 10.6 | 28.0 |
| crb | | 9.9 | 28.7 |
| 1/4 | | 9.6 | 29.0 |
| M | | 9.8 | 28.8 |
| 1/4 | | 9.4 | 29.2 |
| crb | | 9.4 | 29.2 |
| E | | 8.7 | 29.9 |
| | 1+75 | | |
| E | | 8.3 | |
| crb | | 8.8 | |
| 1/4 | | 9.0 | |
| M | | 8.9 | |
| 1/4 | | 8.7 | |
| crb | | 8.6 | |
| W | | 9.1 | |

38.59

2+00

| | |
|---|---|
| W | 8.6 |
| crb | 8.2 |
| 1/4 | 8.0 |
| M | 7.8 |
| 1/4 | 8.0 |
| crb | 9.6 |
| E | 7.2 |

2+25

| | |
|---|---|
| E | 6.0 |
| crb | 7.2 |
| 1/4 | 7.2 |
| M | 6.7 |
| 1/4 | 7.1 |
| crb | 7.4 |
| W | 7.6 |

2+50

| | |
|---|---|
| W | 6.6 |
| crb | 6.5 |
| 1/4 | 5.9 |
| M | 5.9 |
| 1/4 | 6.7 |
| crb | 6.7 |
| E | 5.3 |

2+75

| | |
|---|---|
| E | 5.2 |
| crb | 6.0 |
| 1/4 | 6.1 |
| M | 5.8 |
| 1/4 | 5.3 |
| crb | 5.6 |
| W | 5.6 |

38.59

3+00

| | |
|---|---|
| W | 5.5 |
| crb | 5.3 |
| 1/4 | 5.3 |
| M | 5.4 |
| 1/4 | 5.7 |
| crb | 5.4 |
| E | 5.0 |

3+25

| | |
|---|---|
| E | 3.5 |
| crb | 4.7 |
| 1/4 | 5.0 |
| M | 4.7 |
| 1/4 | 4.6 |
| crb | 4.5 |
| W | 4.2 |

3+50

| | |
|---|---|
| W | 3.4 |
| crb | 3.4 |
| 1/4 | 3.8 |
| M | 4.2 |
| 1/4 | 4.2 |
| crb | 3.9 |
| E | 2.6 |

3+75

| | |
|---|---|
| E | 1.9 |
| crb | 3.0 |
| 1/4 | 3.5 |
| M | 3.7 |
| 1/4 | 3.5 |
| crb | 3.1 |
| W | 2.4 |

| | | | |
|---|---|---|---|
| | | 38.59 | |
| | | 4+0 | |
| W | | | 1.7 |
| Crb | | | 2.6 |
| 1/4 | | | 2.9 |
| M | | | 2.9 |
| 1/4 | | | 2.9 |
| Crb | | | 2.0 |
| E | | | 0.8 |
| | 4+26 = N.L. Twiggs st, | | |
| E | | | 0.6 |
| Crb | | | 1.4 |
| 1/4 | | | 2.0 |
| M | | | 2.3 |
| 1/4 | | | 2.0 |
| Crb | | | 1.8 |
| W | | | 1.3 |

See page 49

252.75

west ¼

| | | |
|---|---|---|
| no. line | 11.9 | 240.9 |
| | 11.3 | 241.5 |
| | 10.7 | 242.1 |
| C | 10.3 | 242.5 |
| | 9.9 | 242.9 |
| | 9.6 | 243.2 |
| so. line | 9.4 | 243.4 |

west Cb.

| | | |
|---|---|---|
| so. line | 9.7 | 243.1 |
| | 9.7 | 243.1 |
| | 10.0 | 242.8 |
| C | 10.2 | 242.6 |
| | 10.7 | 242.1 |
| | 11.3 | 241.5 |
| no. line | 12.0 | 240.8 |



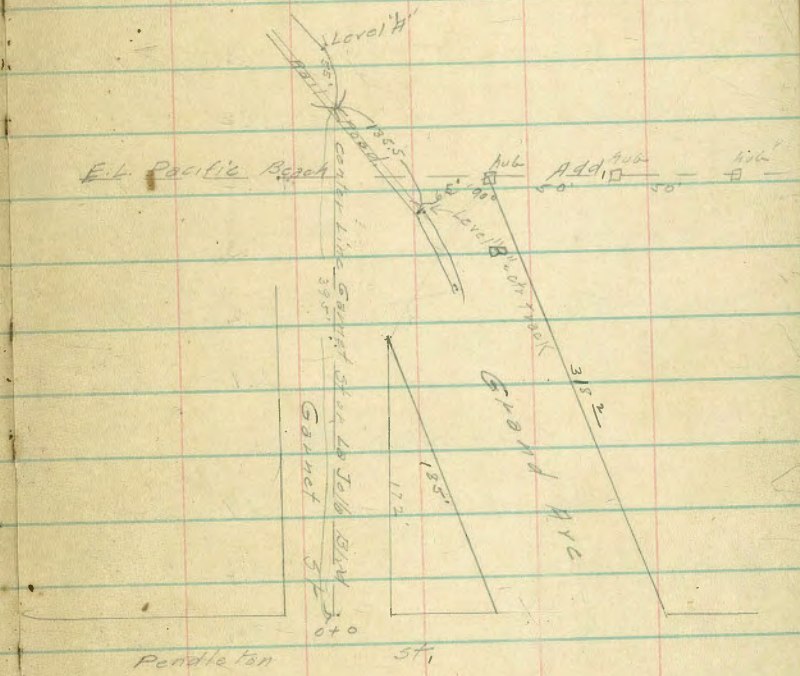
252.75

west line Brant.

| | | |
|---|---|---|
| no. line | 12.3 | 240.5 |
| | 11.4 | 241.4 |
| | 10.9 | 241.9 |
| C | 10.4 | 242.4 |
| | 10.3 | 242.5 |
| | 10.1 | 242.7 |
| so. line | 10.3 | 242.5 |

Levels on ctr line Garnet st Pendleton st to intersection of Rail Road. 8/10 Dunkle Shaw Evans.

| | | | | | |
|---|---|---|---|---|---|
| B.M. Nail in Pole Grand & Pendleton N.W. | | | | 33.55 | |
| B.M. | 6.10 | 39.65 | | | |
| 0+0 = E.L. Pendleton | | | 3.8 | 35.9 | |
| 0+50 | | | 4.6 | 35.1 | |
| 1+0 | | | 5.9 | 33.8 | |
| 1+72 | | | 7.8 | 31.9 | |
| 2+0 | | | 8.3 | 31.4 | |
| 2+50 | | | 10.1 | 29.6 | |
| 3+0 | | | 12.3 | 27.4 | |
| T.P. | 4.53 | 31.72 | 12.46 | 27.19 | |
| 3+50 | | | 7.1 | 24.6 | |
| 3+95 | | | 8.6 | 23.1 | |
| 4+50 = Level "A" | | | 9.6 | 22.1 | |
| | | 31.72 | | | |
| Level "B" | | | 7.0 | 24.7 | |
| 0+50 E of "B" | | | 7.6 | 24.1 | |
| 1+0 " " " | | | 8.2 | 23.5 | |
| 1+35.5 " " " | | | 8.6 | 23.1 | |



X Sect. 15th H to J

| | | | | | |
|---|---|---|---|---|---|
| | | 0.79 | H.I. 30.74 | | 29.95 |
| | | So. line H. | | | |
| E line | | | | 1.1 | 29.6 |
| | | | | 1.3 | 29.4 |
| | | | | 1.2 | 29.5 |
| C | | | | 1.2 | 29.5 |
| | | | | 1.3 | 29.4 |
| | | | | 1.2 | 29.5 |
| west line | | | | 1.1 | 29.6 |
| | | 25 So. | | | |
| W. line | | | | 3.7 | 27.0 |
| | | | | 3.2 | 27.1 |
| | | | | 2.9 | 27.8 |
| C | | | | 2.9 | 27.8 |
| | | | | 2.6 | 28.1 |
| | | | | 1.8 | 28.9 |
| E line | | | | 1.9 | 28.8 |

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| | | | | | |
|---|---|---|---|---|---|
| | | 50' So. | | | |
| E line | | | | 2.3 | 28.4 |
| | | | | 2.3 | 28.4 |
| | | | | 3.2 | 27.5 |
| C | | | | 3.7 | 27.0 |
| | | | | 4.1 | 26.6 |
| | | | | 4.2 | 26.5 |
| W. line | | | | 4.6 | 26.1 |
| | | 75' So. | | | |
| W. line | | | | 4.6 | 26.1 |
| | | | | 4.7 | 26.0 |
| | | | | 4.6 | 26.1 |
| C | | | | 3.8 | 26.9 |
| | | | | 3.7 | 27.0 |
| | | | | 2.9 | 27.8 |
| E line | | | | 2.4 | 28.3 |

30.74

100' so.

| | | |
|---|---|---|
| E line | 3.4 | 27.3 |
| | 3.7 | 27.0 |
| | 4.1 | 26.6 |
| ℄ | 4.4 | 26.3 |
| | 4.7 | 26.0 |
| | 5.1 | 25.6 |
| W. line | 5.2 | 25.5 |

125' so.

| | | |
|---|---|---|
| W. line | 5.7 | 25.0 |
| | 5.6 | 25.1 |
| | 4.9 | 25.8 |
| ℄ | 4.5 | 26.2 |
| | 4.0 | 26.7 |
| | 3.9 | 26.8 |
| E line | 3.9 | 26.8 |



150' so.

| | | |
|---|---|---|
| E line | 3.5 | 27.2 |
| | 3.3 | 27.4 |
| gutter | 3.9 | 26.8 |
| | 3.7 | 27.0 |
| ℄ | 4.2 | 26.5 |
| | 5.0 | 25.7 |
| | 5.2 | 25.5 |
| W. line | 5.4 | 25.3 |

162' so.

| | | |
|---|---|---|
| W. line | 3.8 | 26.9 |
| | 3.9 | 26.8 |
| | 3.9 | 26.8 |
| ℄ | 3.7 | 27.0 |
| | 3.4 | 27.3 |
| gutter | 3.9 | 26.8 |
| | 3.4 | 27.3 |
| E line | 3.3 | 27.4 |

30.74

175' RO

| | | |
|---|---|---|
| E line | 3.4 | 27.3 |
| | 3.6 | 27.1 |
| gutter | 3.6 | 27.1 |
| | 3.7 | 27.0 |
| C | 3.9 | 26.8 |
| | 4.2 | 26.5 |
| | 4.0 | 26.7 |
| W line | 3.8 | 26.9 |

200' RO.

| | | |
|---|---|---|
| W line | 4.2 | 26.5 |
| | 4.2 | 26.5 |
| gutter | 4.8 | 25.9 |
| | 4.5 | 26.2 |
| C | 4.4 | 26.3 |
| | 4.2 | 26.5 |
| gutter | 4.6 | 26.1 |
| | 3.9 | 26.8 |
| E line | 3.7 | 27.0 |



225' RO.

| | | |
|---|---|---|
| E line | 4.1 | 26.6 |
| | 4.3 | 26.3 |
| gutter | 5.0 | 25.7 |
| | 4.5 | 26.2 |
| C | 4.7 | 26.0 |
| | 4.7 | 26.0 |
| gutter | 4.9 | 25.8 |
| | 4.4 | 26.3 |
| W line | 4.4 | 26.3 |

250' RO.

| | | |
|---|---|---|
| W line | 4.7 | 26.0 |
| | 4.7 | 26.0 |
| gutter | 5.2 | 25.5 |
| | 5.0 | 25.7 |
| C | 4.8 | 25.9 |
| | 4.9 | 25.8 |
| gutter | 5.3 | 25.4 |
| | 4.6 | 26.1 |
| E line | 4.4 | 26.3 |

30.74

275' So.

| | | |
|---|---|---|
| E line | 4.8 | 26.9 |
| | 4.9 | 26.8 |
| gutter | 5.4 | 25.3 |
| | 5.1 | 25.6 |
| ℄ | 5.2 | 25.5 |
| | 5.3 | 25.4 |
| gutter | 5.5 | 25.2 |
| | 4.9 | 25.8 |
| W. line | 4.8 | 25.9 |

No. line 9.

| | | |
|---|---|---|
| W. line | 5.0 | 25.7 |
| | 5.2 | 25.5 |
| gutter | 6.0 | 24.7 |
| | 5.3 | 25.4 |
| ℄ | 5.3 | 25.4 |
| | 5.2 | 25.5 |
| gutter | 5.6 | 25.1 |
| | 5.3 | 25.4 |
| E. line | 4.9 | 25.8 |

H.I.

S.P. 2.66 28.43 4.97 25.77

So. line 9

| | | |
|---|---|---|
| E. line | 3.2 | 25.2 |
| | 3.5 | 24.9 |
| gutter | 4.1 | 24.3 |
| | 3.6 | 24.8 |
| ℄ | 3.5 | 24.9 |
| | 3.7 | 24.7 |
| gutter | 4.6 | 23.8 |
| | 3.5 | 24.9 |
| W line | 3.5 | 24.9 |

25' So.

| | | |
|---|---|---|
| W line | 3.4 | 25.0 |
| | 3.6 | 24.8 |
| gutter | 4.6 | 23.8 |
| | 4.0 | 24.4 |
| ℄ | 3.7 | 24.7 |
| | 3.9 | 24.5 |
| gutter | 4.4 | 24.0 |
| | 3.6 | 24.8 |
| E line | 3.4 | 25.0 |

28.43

50' so.

| | | |
|---|---|---|
| E line | 3.6 | 24.8 |
| | 3.9 | 24.5 |
| gutter | 4.8 | 23.6 |
| | 4.3 | 24.1 |
| C | 4.0 | 24.4 |
| | 4.4 | 24.0 |
| gutter | 5.0 | 23.4 |
| | 4.0 | 24.4 |
| W. line | 3.8 | 24.6 |

75' so.

| | | |
|---|---|---|
| W. line | 4.1 | 24.3 |
| | 4.3 | 24.1 |
| gutter | 5.2 | 23.2 |
| | 4.5 | 23.9 |
| C | 4.2 | 24.2 |
| | 4.5 | 23.9 |
| gutter | 5.0 | 23.4 |
| | 4.2 | 24.2 |
| E line | 4.1 | 24.3 |



100' so.

| | | |
|---|---|---|
| E line | 4.5 | 23.9 |
| | 4.5 | 23.9 |
| gutter | 5.1 | 23.3 |
| | 4.7 | 23.7 |
| C | 4.4 | 24.0 |
| | 4.8 | 23.6 |
| gutter | 5.3 | 23.1 |
| | 4.6 | 23.8 |
| W. line | 4.6 | 23.8 |

125' so.

| | | |
|---|---|---|
| W. line | 5.1 | 23.3 |
| | 5.0 | 23.4 |
| gutter | 5.7 | 22.7 |
| | 5.0 | 23.4 |
| C | 4.8 | 23.6 |
| | 5.0 | 23.4 |
| gutter | 5.5 | 22.9 |
| | 4.8 | 23.6 |
| E line | 4.6 | 23.8 |

28.43

150' 20.

| | | |
|---|---|---|
| E line | 5.1 | 23.3 |
| | 5.7 | 23.3 |
| gutter | 5.7 | 22.7 |
| | 5.5 | 22.9 |
| ℄ | 5.0 | 23.4 |
| | 5.2 | 23.2 |
| gutter | 6.7 | 21.7 |
| | 5.2 | 23.2 |
| W. line | 5.1 | 23.3 |

155' 20.

| | | |
|---|---|---|
| W. line | 7.7 | 20.7 |
| | 7.3 | 21.1 |
| | 6.6 | 21.8 |
| ℄ | 6.4 | 22.0 |
| | 6.5 | 21.9 |
| | 7.0 | 21.4 |
| E line | 6.3 | 22.1 |



28.43

175' 20.

| | | | | |
|---|---|---|---|---|
| E line | | | 7.4 | 21.0 |
| | | | 7.0 | 21.4 |
| | | | 7.4 | 21.4 |
| ℄ | | | 7.6 | 20.8 |
| | | | 7.5 | 20.9 |
| | | | 7.8 | 20.6 |
| W. line | | | 8.2 | 20.2 |
| | | H.F. | | |
| J.P | 4.76 | 25.22 | 7.97 | 20.46 |

200' 20

| | | |
|---|---|---|
| W line | 4.9 | 20.3 |
| | 4.7 | 20.5 |
| | 4.8 | 20.4 |
| ℄ | 4.7 | 20.5 |
| | 4.3 | 20.9 |
| | 4.5 | 20.7 |
| E line | 4.2 | 21.0 |

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25.22

225' So.

| | | |
|---|---|---|
| E line | 4.0 | 21.2 |
| | 4.9 | 20.3 |
| | 4.7 | 20.5 |
| C | 4.8 | 20.4 |
| | 4.8 | 20.4 |
| | 4.9 | 20.3 |
| W. line | 5.1 | 20.1 |

250' So.

| | | |
|---|---|---|
| W. line | 5.1 | 20.1 |
| | 5.0 | 20.2 |
| | 5.0 | 20.2 |
| C | 4.9 | 20.3 |
| | 4.9 | 20.3 |
| | 4.9 | 20.3 |
| E line | 4.4 | 20.8 |



275' So.

| | | |
|---|---|---|
| E line | 4.3 | 20.9 |
| | 4.7 | 20.5 |
| | 4.9 | 20.3 |
| C | 5.1 | 20.1 |
| | 4.9 | 20.3 |
| | 4.7 | 20.5 |
| W. line | 5.2 | 20.0 |

No. line J.

| | | |
|---|---|---|
| W. line | 4.0 | 21.0 |
| | 4.1 | 21.1 |
| | 3.6 | 21.6 |
| C | 3.6 | 21.6 |
| | 3.8 | 21.4 |
| | 3.6 | 21.6 |
| E. line | 3.4 | 21.8 |

X sect. 15th M to N.

| | | | | |
|---|---|---|---|---|
| T.P. | 0.79 | H.I. 9.25 | | 8.46 B.M. |
| | So. line M. | | | |
| E. line | | | 1.0 | 8.2 |
| | | | 1.2 | 8.0 |
| gutter | | | 2.1 | 7.1 |
| | | | 2.3 | 6.9 |
| C | | | 1.7 | 7.5 |
| | | | 2.0 | 7.2 |
| gutter | | | 3.2 | 6.0 |
| | | | 1.3 | 7.9 |
| W. line | | | 1.0 | 8.2 |
| | 7' so. | | | |
| W line | | | 4.0 | 5.2 |
| | | | 4.4 | 4.8 |
| cb + 5' | | | 2.4 | 6.8 |
| cb + 8 | | | 4.4 | 4.8 |
| | | | 4.6 | 4.6 |
| C | | | 4.7 | 4.5 |
| | | | 3.1 | 6.1 |
| | | | 3.6 | 5.6 |
| E line | | | 4.3 | 4.9 |

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| | | | | |
|---|---|---|---|---|
| | 12' so. | | | |
| E line | | | 4.5 | 4.7 |
| | | | 4.2 | 5.0 |
| | | | 3.8 | 5.4 |
| C | | | 4.8 | 4.4 |
| | | | 4.6 | 4.6 |
| | | | 4.4 | 4.8 |
| W line | | | 2.5 | 6.7 |
| | 25' so. | | | |
| W. line | | | 3.0 | 6.2 |
| + 7' | | | 4.9 | 4.3 |
| | | | 5.0 | 4.2 |
| | | | 5.2 | 4.0 |
| C | | | 5.3 | 3.9 |
| | | | 4.6 | 4.6 |
| | | | 4.6 | 4.6 |
| E. line | | | 4.5 | 4.7 |

9.25

31' RO.

| | | |
|---|---|---|
| E line | 4.6 | 4.6 |
| | 4.8 | 4.4 |
| | 4.5 | 4.7 |
| C | 5.3 | 3.9 |
| | 5.4 | 3.8 |
| | 5.3 | 3.9 |
| CB+12 | 4.2 | 5.0 |
| W line | 3.0 | 6.2 |

36' RO.

| | | |
|---|---|---|
| W. line | 5.1 | 4.1 |
| | 5.7 | 3.4 |
| | 5.3 | 3.9 |
| C | 5.1 | 4.1 |
| | 4.4 | 4.8 |
| | 4.9 | 4.3 |
| E line | 4.8 | 4.4 |

50' RO.

| | | |
|---|---|---|
| E line | 4.9 | 4.3 |
| | 5.0 | 4.2 |
| | 4.7 | 4.5 |
| C | 5.1 | 4.1 |
| | 5.5 | 3.7 |
| | 5.9 | 3.3 |
| W line | 5.5 | 3.7 |

75' RO.

| | | |
|---|---|---|
| W line +2' | 5.6 | 3.6 |
| | 6.4 | 2.8 |
| | 6.6 | 2.6 |
| | 5.8 | 3.4 |
| C | 4.9 | 4.3 |
| | 5.4 | 3.8 |
| | 5.4 | 3.8 |
| C line | 5.5 | 3.7 |

9.25

100' RO.

| | | |
|---|---|---|
| E line | 5.9 | 3.3 |
| | 5.7 | 3.5 |
| | 5.8 | 3.4 |
| C | 5.4 | 3.8 |
| | 5.2 | 4.0 |
| | 6.7 | 2.5 |
| Ob + 12' | 6.4 | 2.8 |
| W line | 5.8 | 3.4 |

125' RO.

| | | |
|---|---|---|
| W line | 5.9 | 3.3 |
| + 2' | 6.3 | 2.9 |
| | 6.0 | 3.2 |
| | 4.8 | 4.4 |
| 1/4 + 6' | 5.8 | 3.4 |
| C | 5.8 | 3.4 |
| | 5.8 | 3.4 |
| | 5.6 | 3.6 |
| E line | 5.6 | 3.6 |

150' RO.

| | | |
|---|---|---|
| E line | 5.9 | 3.3 |
| | 5.9 | 3.3 |
| | 5.6 | 3.6 |
| C | 5.9 | 3.3 |
| | 5.6 | 3.6 |
| | 4.6 | 4.6 |
| W line | 5.5 | 3.7 |

175' RO.

| | | |
|---|---|---|
| W. line | 4.3 | 4.9 |
| | 5.1 | 4.1 |
| Ob + 2' | 6.2 | 3.0 |
| | 6.3 | 2.9 |
| C | 5.8 | 3.4 |
| | 5.7 | 3.5 |
| | 5.8 | 3.4 |
| E line | 4.6 | 4.6 |

200' Ro.

| | | |
|---|---|---|
| E line | 5.5 | 3.7 |
| | 5.5 | 3.7 |
| | 5.4 | 3.8 |
| C | 6.0 | 3.2 |
| | 6.3 | 2.9 |
| | 6.0 | 3.2 |
| W line | 6.0 | 3.2 |

225' Ro.

| | | |
|---|---|---|
| W line | 5.3 | 3.9 |
| | 5.9 | 3.3 |
| | 6.3 | 2.9 |
| C | 6.1 | 3.1 |
| C+9' | 3.3 | 5.9 |
| | 3.1 | 6.1 |
| | 3.9 | 5.3 |
| E line | 5.0 | 4.2 |

9.25

250' Ro.

| | | |
|---|---|---|
| E. line | 5.2 | 4.0 |
| | 3.6 | 5.6 |
| | 3.2 | 6.0 |
| | 3.4 | 5.8 |
| 1/4 +10 | 4.7 | 4.5 |
| C | 6.3 | 2.9 |
| C+4' | 6.4 | 2.8 |
| | 5.8 | 3.4 |
| W line | 5.3 | 3.9 |

275' Ro.

| | | |
|---|---|---|
| W line | 5.7 | 3.5 |
| | 5.8 | 3.4 |
| | 6.4 | 2.8 |
| | 5.6 | 3.6 |
| 1/4 +10' | 4.7 | 4.5 |
| C | | |
| | 4.4 | 4.8 |
| | 3.7 | 5.5 |
| E line | 4.3 | 4.9 |

K.I.

J.P. 4.92 10.72 3.45 5.80

286' 80.

E line 5.7 5.8

5.3 5.4

4.5 6.2

C 5.8 4.9

7.8 2.9

7.4 3.3

W line 6.3 4.4

no line N.

W. line 7.3 3.4

7.0 3.7

7.0 3.7

C 5.7 5.0

4.8 5.9

4.9 5.8

E line 4.0 6.7

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# TRAVERSE TABLE FOR TRANSIT BOOK.

## From 1° to 90° for a distance of 100.

| Degrees. | DEGREES. | | ¼ DEGREE. | | ½ DEGREE. | | ¾ DEGREE. | | Degrees. |
|---|---|---|---|---|---|---|---|---|---|
| | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | |
| 0 | | | 100.00 | 0.44 | 100.00 | 0.87 | 99.99 | 1.31 | 89 |
| 1 | 99.98 | 1.75 | 99.98 | 2.18 | 99.97 | 2.62 | 99.95 | 3.05 | 88 |
| 2 | 99.94 | 3.49 | 99.92 | 3.93 | 99.91 | 4.36 | 99.88 | 4.80 | 87 |
| 3 | 99.86 | 5.23 | 99.84 | 5.67 | 99.81 | 6.10 | 99.79 | 6.54 | 86 |
| 4 | 99.76 | 6.98 | 99.73 | 7.41 | 99.69 | 7.85 | 99.66 | 8.28 | 85 |
| 5 | 99.62 | 8.72 | 99.58 | 9.15 | 99.54 | 9.58 | 99.50 | 10.02 | 84 |
| 6 | 99.45 | 10.45 | 99.41 | 10.89 | 99.36 | 11.32 | 99.31 | 11.75 | 83 |
| 7 | 99.25 | 12.19 | 99.20 | 12.62 | 99.14 | 13.05 | 99.09 | 13.49 | 82 |
| 8 | 99.03 | 13.92 | 98.97 | 14.35 | 98.90 | 14.78 | 98.84 | 15.21 | 81 |
| 9 | 98.77 | 15.64 | 98.70 | 16.07 | 98.63 | 16.50 | 98.56 | 16.93 | 80 |
| 10 | 98.48 | 17.36 | 98.40 | 17.79 | 98.33 | 18.22 | 98.25 | 18.65 | 79 |
| 11 | 98.16 | 19.08 | 98.08 | 19.51 | 97.99 | 19.94 | 97.90 | 20.36 | 78 |
| 12 | 97.81 | 20.79 | 97.72 | 21.22 | 97.63 | 21.64 | 97.53 | 22.07 | 77 |
| 13 | 97.44 | 22.50 | 97.34 | 22.92 | 97.24 | 23.34 | 97.13 | 23.77 | 76 |
| 14 | 97.03 | 24.19 | 96.92 | 24.62 | 96.81 | 25.04 | 96.70 | 25.46 | 75 |
| 15 | 96.59 | 25.88 | 96.48 | 26.30 | 96.36 | 26.72 | 96.25 | 27.14 | 74 |
| 16 | 96.13 | 27.56 | 96.00 | 27.98 | 95.88 | 28.40 | 95.76 | 28.82 | 73 |
| 17 | 95.63 | 29.24 | 95.50 | 29.65 | 95.37 | 30.07 | 95.24 | 30.49 | 72 |
| 18 | 95.11 | 30.90 | 94.97 | 31.32 | 94.83 | 31.73 | 94.69 | 32.14 | 71 |
| 19 | 94.55 | 32.56 | 94.41 | 32.97 | 94.26 | 33.38 | 94.12 | 33.79 | 70 |
| 20 | 93.97 | 34.20 | 93.82 | 34.61 | 93.67 | 35.02 | 93.51 | 35.43 | 69 |
| 21 | 93.36 | 35.84 | 93.20 | 36.24 | 93.04 | 36.65 | 92.88 | 37.06 | 68 |
| 22 | 92.72 | 37.46 | 92.55 | 37.86 | 92.39 | 38.27 | 92.22 | 38.67 | 67 |
| 23 | 92.05 | 39.07 | 91.88 | 39.47 | 91.71 | 39.87 | 91.53 | 40.27 | 66 |
| 24 | 91.35 | 40.67 | 91.18 | 41.07 | 91.00 | 41.47 | 90.81 | 41.87 | 65 |
| 25 | 90.63 | 42.26 | 90.45 | 42.66 | 90.26 | 43.05 | 90.07 | 43.44 | 64 |
| 26 | 89.88 | 43.84 | 89.69 | 44.23 | 89.49 | 44.62 | 89.30 | 45.01 | 63 |
| 27 | 89.10 | 45.40 | 88.90 | 45.79 | 88.70 | 46.17 | 88.50 | 46.56 | 62 |
| 28 | 88.29 | 46.95 | 88.09 | 47.33 | 87.88 | 47.72 | 87.67 | 48.10 | 61 |
| 29 | 87.46 | 48.48 | 87.25 | 48.86 | 87.04 | 49.24 | 86.82 | 49.62 | 60 |
| 30 | 86.60 | 50.00 | 86.38 | 50.38 | 86.16 | 50.75 | 85.94 | 51.13 | 59 |
| 31 | 85.72 | 51.50 | 85.49 | 51.88 | 85.26 | 52.25 | 85.04 | 52.62 | 58 |
| 32 | 84.80 | 52.99 | 84.57 | 53.36 | 84.34 | 53.73 | 84.10 | 54.10 | 57 |
| 33 | 83.87 | 54.46 | 83.63 | 54.83 | 83.39 | 55.19 | 83.15 | 55.56 | 56 |
| 34 | 82.90 | 55.92 | 82.66 | 56.28 | 82.41 | 56.64 | 82.16 | 57.00 | 55 |
| 35 | 81.92 | 57.36 | 81.66 | 57.71 | 81.41 | 58.07 | 81.16 | 58.42 | 54 |
| 36 | 80.90 | 58.78 | 80.64 | 59.13 | 80.39 | 59.48 | 80.13 | 59.83 | 53 |
| 37 | 79.86 | 60.18 | 79.60 | 60.53 | 79.34 | 60.88 | 79.07 | 61.22 | 52 |
| 38 | 78.80 | 61.57 | 78.53 | 61.91 | 78.26 | 62.25 | 77.99 | 62.59 | 51 |
| 39 | 77.71 | 62.93 | 77.44 | 63.27 | 77.16 | 63.61 | 76.88 | 63.94 | 50 |
| 40 | 76.60 | 64.28 | 76.32 | 64.61 | 76.04 | 64.94 | 75.76 | 65.28 | 49 |
| 41 | 75.47 | 65.61 | 75.18 | 65.93 | 74.90 | 66.26 | 74.61 | 66.59 | 48 |
| 42 | 74.31 | 66.91 | 74.02 | 67.24 | 73.73 | 67.56 | 73.43 | 67.88 | 47 |
| 43 | 73.14 | 68.20 | 72.84 | 68.52 | 72.54 | 68.84 | 72.24 | 69.15 | 46 |
| 44 | 71.93 | 69.47 | 71.63 | 69.78 | 71.33 | 70.09 | 71.02 | 70.40 | 45 |
| 45 | 70.71 | 70.71 | | | | | | | |
| Degrees. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Dep. | Lat. | Degrees |
| | DEGREES | | ¾ DEGREE. | | ½ DEGREE. | | ¼ DEGREE. | | |