

T147 R30 TRAV BK#4

T147 R30  
TRAVERSE

BK#4

# EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and  
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning  
Roadway 16 feet wide. Side Slopes 1 on 1.  
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

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

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CASS LAKE MN 56633

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# INDEX

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TRAVERSE SE $\frac{1}{4}$  NE $\frac{1}{4}$  SECTION 22

T147 R30

SET C-N-S-N  $\frac{1}{2}$  256 AND C-N-S-NE  $\frac{1}{2}$  256

Pg 6

CORNERS T147 R30 SECTION 22

FT M

FS 3 179-42-39 359-42-35 179 42 41 359-42-42  
 BS 1 00-00-00 179-59-51 359-59-40 179-59-50  
 T@ 2 179-42-39 179-42-44 179-42-53 179-42-52  
 179-42-47

2-1 585.58 ✓ 170.485  
 2-3 662.28 ✓ 201.862

FS 4 92-29-45 272-29-43 92-29-40 ~~272~~ 29-46  
 BS 2 00-00-00 180-00-00 60-00-00 180-00-03  
 T@ 3 92-29-45 92-29-43 92-29-40 92-29-43  
 92-29-43

3-4 650.58 ✓ 198.297

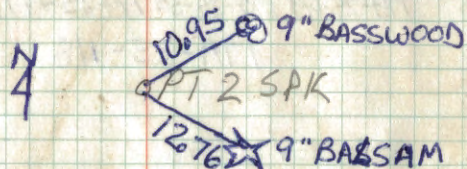
FS 5 180-08-22 00-08-28<sup>8</sup> 180-08-31 00-08-37  
 BS 3 00-00-00 179-59 56 00-00-00 180 00 08  
 T@ 4 180-08-22 180-08-32 180-08-31 180-08-29  
 180-08-29

4-5 371.28 ✓ 113.165  
 376.28

2-10-2009 RAIN 35°  
 R. MAIN DAT  
 J. SCHOONOVER

TOPCON TOTAL STATION 2

PT 1 ○ NE  $\frac{1}{16}$  TI 47 R 30 S 2 Z



PT 3 ○ CN  $\frac{1}{16}$

PT 4 SPK

FT M

FS@ 6 179-25-49 359-25-56 179-25-49 359 25 54

BS@ 4 00-00-00 180-00-06 00-00-02 180-00-08

π@ 5 179-25-49 179-25-50 179-25-47 179-25-46

179-25-48

5-6 307.895√93.846

FS 7 99-06-27 279-06-29 99-06-31 279 06 24

BS 5 00-00-00 180-00-04 00-00-03 180 00 10

π@ 6 99-06-27 99-06-28 99-06-31 99-06-34

99-06-29

6-7 410.985√125.267

FS 8 163-02-52 343-02-41 163-02-53 343-02-49

BS 6 00-00-00 179 59 36 0000 03 179 59 48

π@ 7 163 02 52 163 03 05 163-02-50 163-03-01

163-02-57

7-8 467.27√142.423

0 PT 5 SPK

PT 6 0 C 4 0 5 2 2

0 PT 7 SPK

FT M

FS 9 181-39-31 01-39-34 181-39-35 1-39-37  
 BS 7 0000-00 180 00 07 00 00 02 180-00-06  
 T@ 8 181-39-31 181-39-27 181-39-28 181-39-31  
 181-39-29

8-9 387.135 / 17.998

FS 10 96-11-43 276-11-59 96 12 05 276 12 10  
 BS 8 00-00-00 180 00 25 00-00-32 180 00 34  
 T@ 9 96-11-43 96-11-34 96-11-33 96-11-36  
 96-11-36

9-10 623.79 / 190.129

FS 1 ~~180 08 44~~ 00-08-52 <sup>68</sup> 180 08 47 <sup>68</sup> 00-08-52 ~~180 08 39~~  
 BS 9 ~~00-00-00~~ 179 59 56 ~~359-59-37~~ 179 59 41 ~~180 08 34~~  
 T@ 10 ~~180 08 44~~ 180-08-56 180-09-10 180 09-11 180-09-05  
 180-09-06

10-1 707.72 / 215.712

M

OPT 8 SPK

\* RA 0 CE 1/16

PT\*10 SPK

FT M

FS Z 88-03-13 268032388 03 26268-03-31

BS 10 00-00-00 180 00 12 00 00 06 180 00 19

T@ 1 88-03-13 88-03-11 88-03-20 88-03-12  
88-03-14

1-Z 585.59 / 178.488

PT1 0 NE  $\frac{1}{16}$  T147 R30 S22

FS 11 27152+091-52-25  
BS 2 00-00-00 180-00-10  
T 1 -10 -15

1-11 332069 101.403

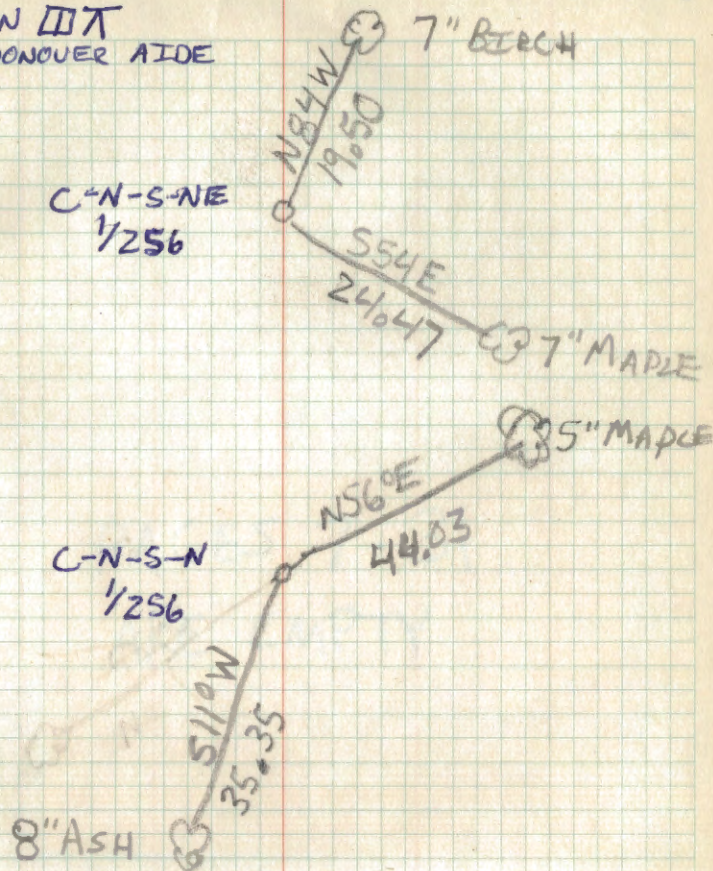
FS 12 92-26-12 272-26-38  
BS 2 00-00-00 180 00 18  
T 3 20

3-12 3320445 101.328

3-19-09 TOPCON TOTAL STA

6

R. MAIN  $\square$  T  
J. SCHOONOVER AIDE





PAGES 7-31  
ARE EMPTY

B.T.'s and Posters.



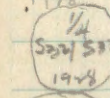
1" I.M. - brass cap - 8" above ground - 5/22/39  
 R. Oak - 14" - S 42 1/2° W 0.89 chs. Marked C 1/4 S 37 BT (Poster) ✓  
 J. Pine 12" - N 75° E. 1.54 chs. " " " " ✓



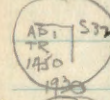
W. Oak - 13" - N 36 1/4° W 0.96 chs. - Marks hooked over (Poster) ✓  
 No other B.T. found. - 1" I.M. 6" above ground ✓



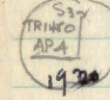
1" I.M. 4" above ground. 10.36 chs. E. of C 1/4 Apr 39.  
 Poster on W. Oak 6" N 52° W 0.09 chs. No B.T.s. ✓



No B.T.s. 1" I.P. 6". Mound of stone. Poster on Apr 39  
 fence post corner - 0.25 chs. East ✓

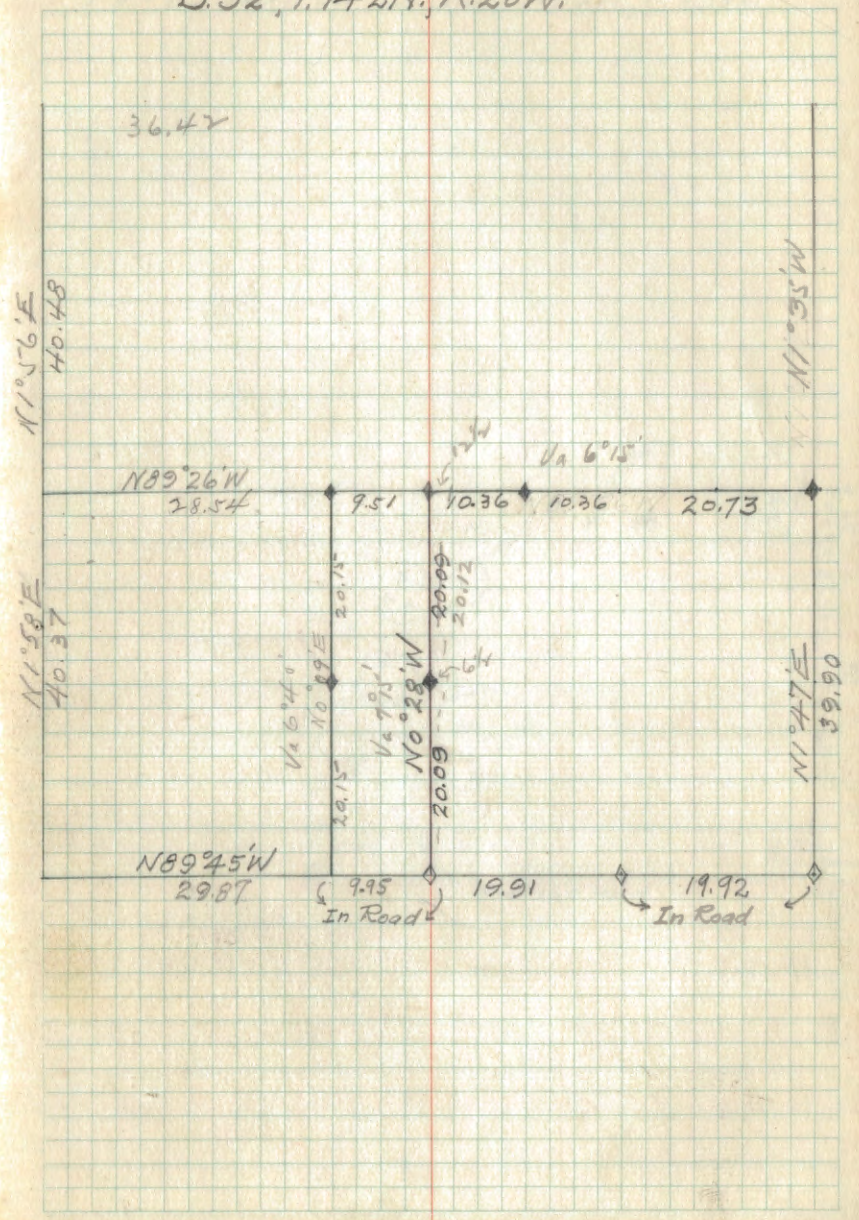


1" I.M. 6". No B.T.s. (9.51 chs. W. of C 1/4) 5/13/39  
 Poster on 6" R. Oak - N 10° E 0.12 chs. ✓

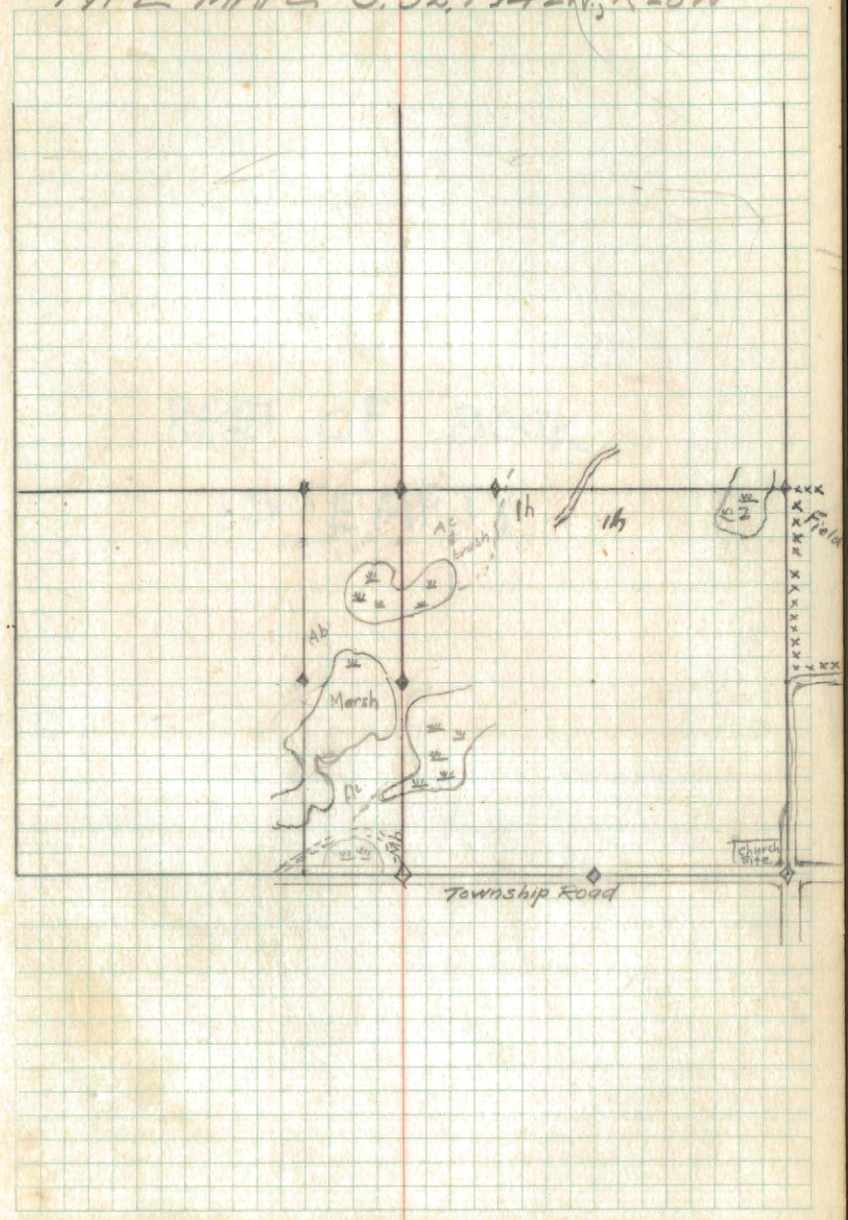


1" I.M. 7" - No B.T.s. No poster 5/13/39  
 10 chs. E. W. of Corner # 12 ✓

S. 32, T. 142 N., R. 28 W.



TYPE MAP, S. 32, T. 142N, R. 28W



REST OF BOOK  
IS EMPTY