

Treasury Department,  
U. S. COAST AND GEODETIC SURVEY,  
*O. H. Tittmann*, Superintendent.

States: *Pa - Md.* 55825

# SKETCHBOOK.

## ABSTRACT OF CONTENTS:

*Mason and Dixon Line.  
Sketches and distance meas-  
ures, east of the Susquehanna  
River.*

1901

CHIEF OF PARTY

*W. C. Hodgkins*

Vols.

Vol. 2

460  
920

89.52

#180  
33.96

245  
495

102  
214

330

168  
109.2

330

169.2

54.12

50.37

50.48

154.97

169.2

88.5

68.5

180  
118.819

180  
45

420  
181

132  
294

360  
206.22  
91.48

285  
180  
105

142  
284

314  
628

148  
296

295  
180  
115

172  
344

Assigned to states

180  
372

855.2  
250.2  
105.0  
129.58  
234.02740

850  
250.2  
109.58  
129.05

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Treasury Department,  
U. S. COAST AND GEODETIC SURVEY,

*O. H. Tittmann*, Superintendent.

States: *Pa. - Md.*

# SKETCHBOOK.

## ABSTRACT OF CONTENTS:

*Tracing along northern border  
of Cecil Co. Md.*

1901

CHIEF OF PARTY:

*W. C. Hodgkins*

Vols.

Vol. 2

56  
181  
662

J. J. Carter  
Pleasant Grove

# 22

# 20

Jacob Jenkins,  
Pleasant Grove

Lewisville Flay - West

F. S. 378' - D = 0° 12'

" " 694' - D = 2° 40'

" " 99' - D = 4° 03'

" "  $\frac{409}{818}$  - D = 0° 10'

" " 318' - D = 0° 48'

2307  
1.50  
6.00  
2314.50  
2288.2  
26.3

2307  
Avg. to #15 = 88° 48' fr. west  
approx 1.5 ft. by station rod.

Lewisville flay East

B. S. 184' - E - 1° 09'

F. S. 233' - D - 1° 24' to street east side -

from  
Stems  
found  
" " 744' - D - 2° 10' to grass field

" " 368' - E - 0° 19' to hedge east of grass

B. S. 360' - E - 0° 26' to old stake

F. S. 238' - D - 1° 27' to hill in wheat field

B. S.  $\frac{424}{848}$  - E - 3° 59' ridge in woods

F. S.  $\frac{266}{530}$  - E - 0° 48' to corn field

B. S. - 532' - E = 0° 31' Less below

B. S. - 409' - D = 2° 01' to opp. stone

B. S. - 413' - E = 0° 11' to stone

ang. to stone 12° 12'

184. 43'  
172° 31'  

---

12 12'

484

(See Vol. 1, p. 27,  
for work westward)

#10 m.p.

458  
170°45'

#10  
m.p.

M.P. 10  
3.84 ft N. = 117

"B" Line

4.37 = 438.7

438.4

"Lewisville Line" or "A" Line  
Rect. offset to N°10 m.p.  
= 33.96 ft. (June 27, 1901)

= 10.35 m

684  
308°42'

(78°)

← D<sub>838</sub>

168  
118°39'

554  
259°40'

5.84 = 585.2  
E. 0°3' →

181°11'  
189° = 190.1  
85°47'

544 = 545.1  
E 0°34'  
264°55'

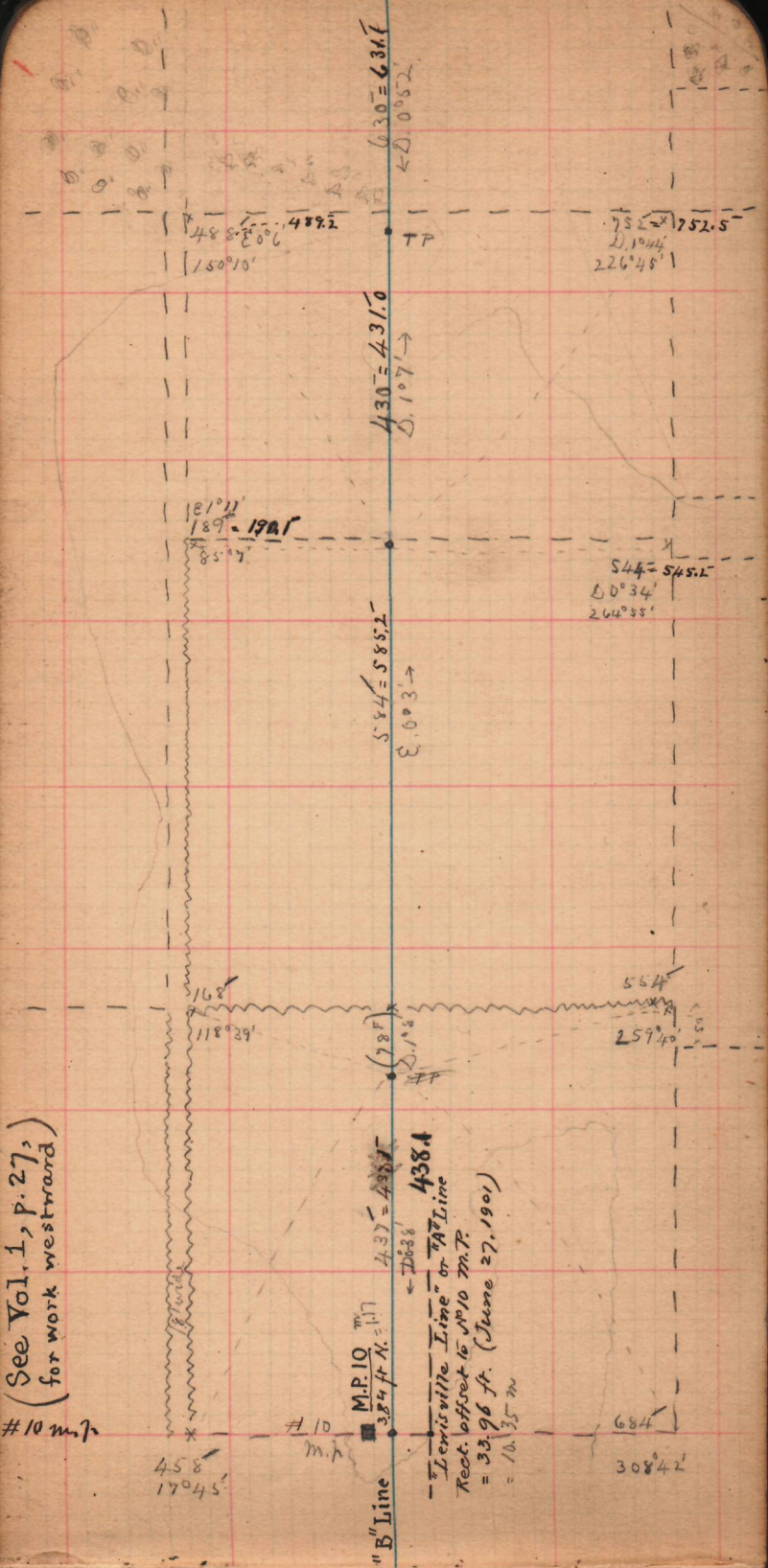
4.30 = 431.0  
D. 1°07' →

488.8 = 489.2  
E 0°6'  
150°10'

752 = 752.5  
D. 1°04'  
226°48'

6.30 = 631.1  
← D. 0°52'

TP



630 = 631.1

76 = 77.1  
2.29'

540 = 547.1  
80.0' →

840 = 847.2  
80.14' →

3.17 = 313.1  
2.037  
70.20

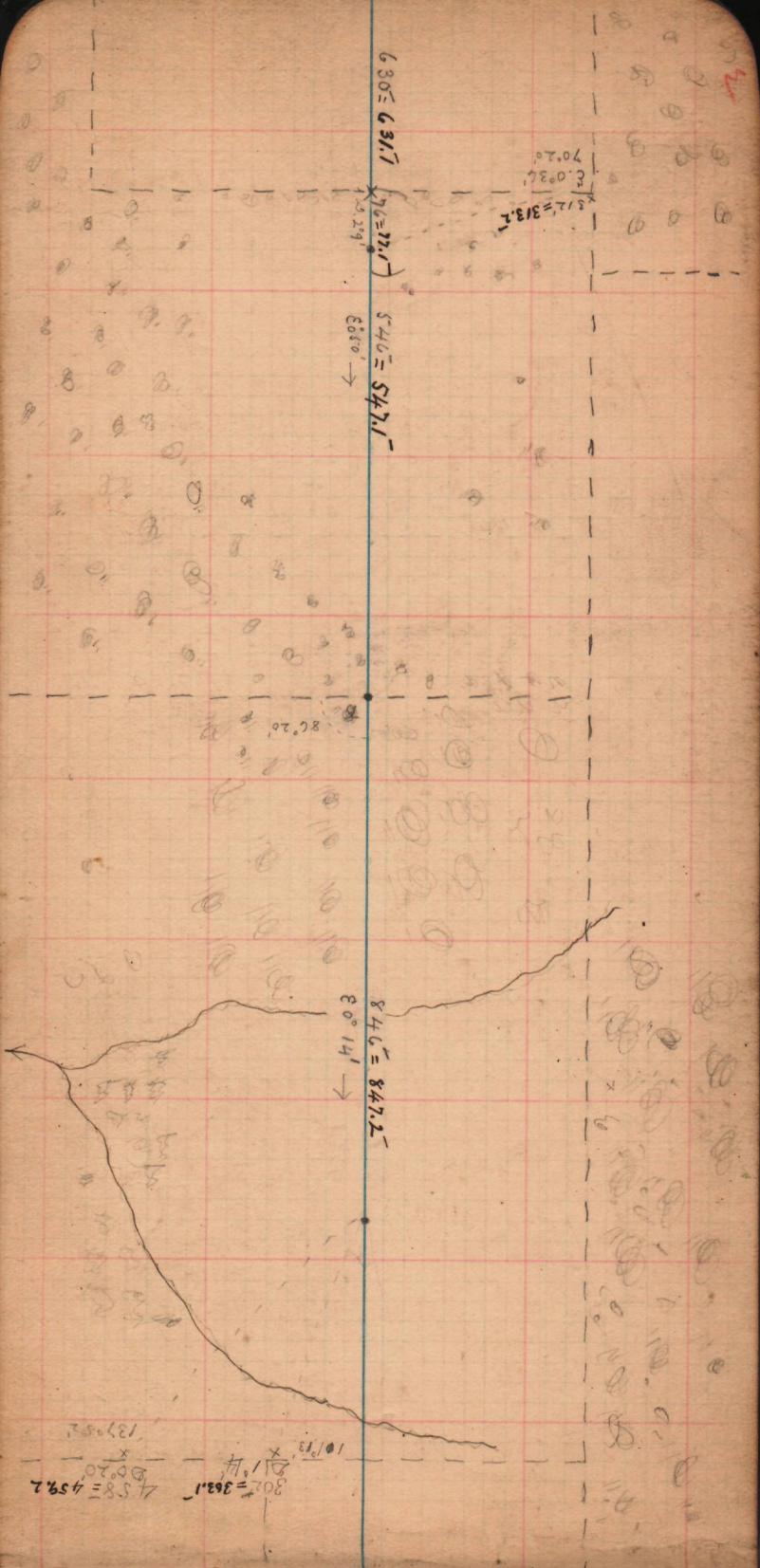
80.20

458 = 459.2  
80.20

307 = 363.1  
21.14

10.73

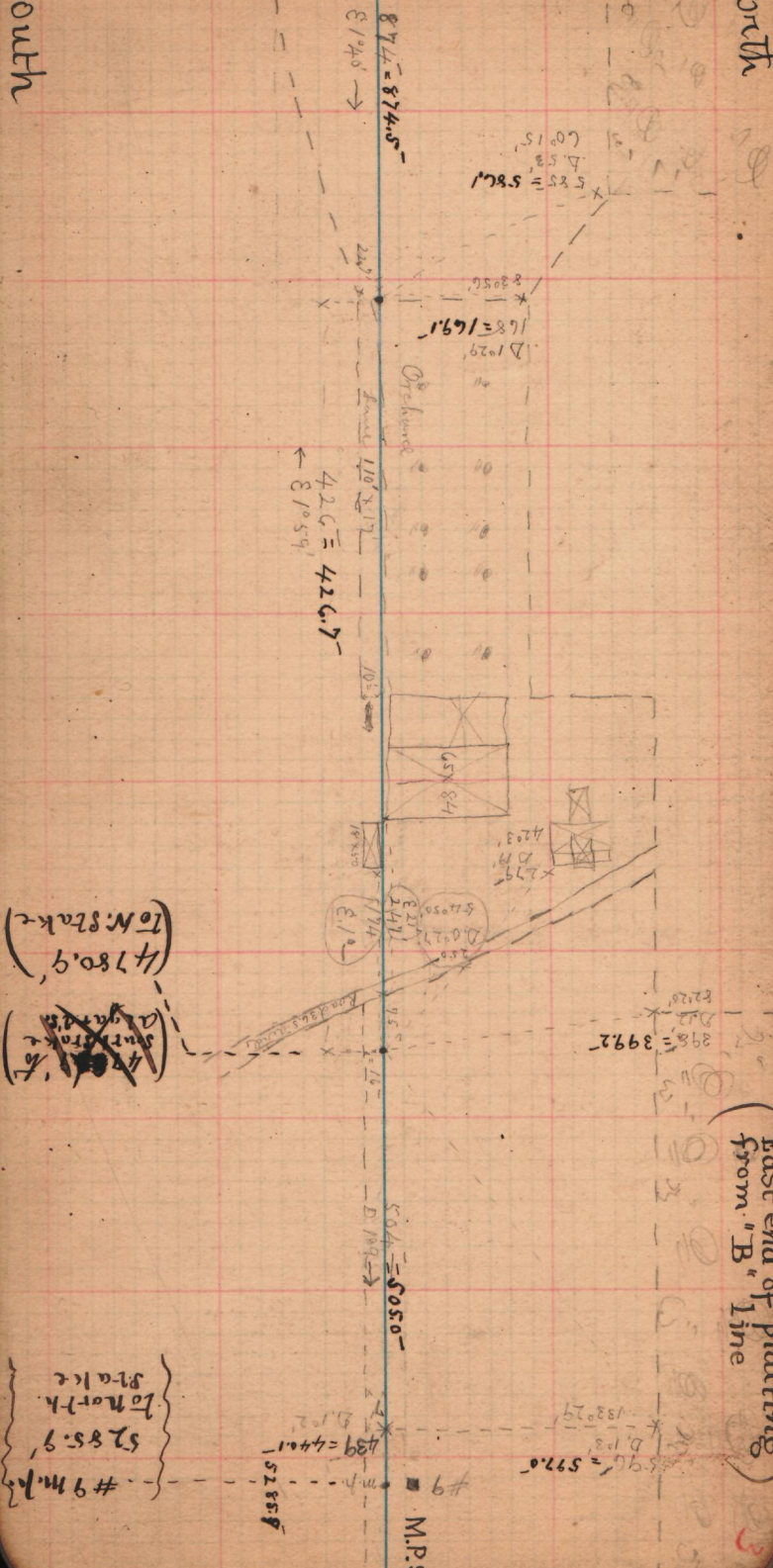
137.52





North

South

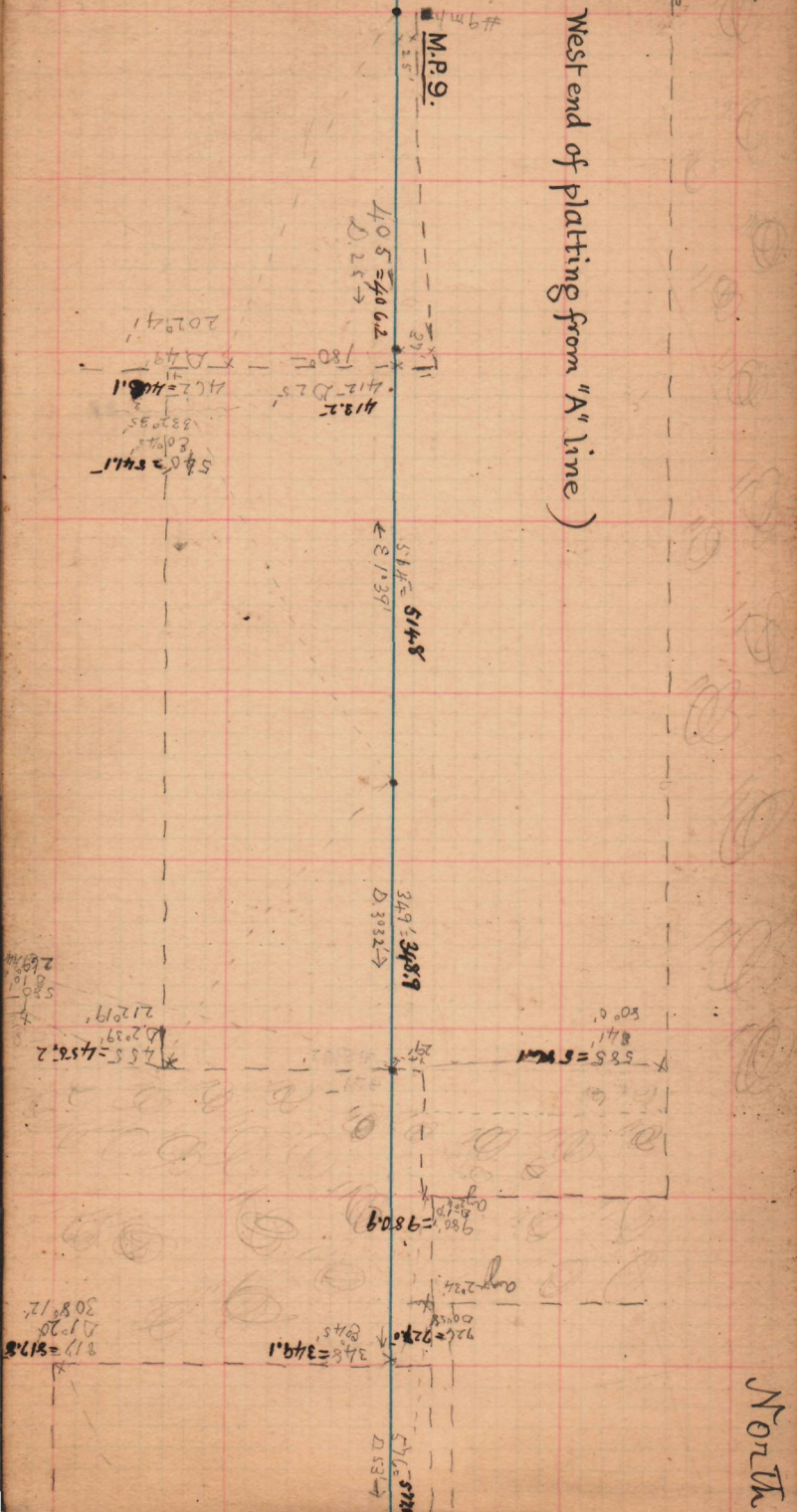


East end of platting from "B" line

3

A.S. Station 2 W. line to N. Station =  $89^{\circ} 21'$   
 $32' 35''$   
 $= 37' 10''$  N. line west  
 of S. Sta.

(West end of platting from "A" line)



South

77

← D. 107' →  
465 = 466.0

From 13' side

632 E 62.7  
D. 107  
278.85

1032.2  
E 1.24  
442 = 442.9

1610.57  
E 1.2  
181.32  
151 = 152.1  
460 = 460.9

497' = 498.0  
E 1.24 →

254 = 255.0  
E 1.24

277  
E 0.31

766 = 762.2  
E 0.1' →

624

333°14'  
E 53  
95.5' 455

27.28.2

122.2282

672.6730

845' = 846.0'  
D. 47' →

315.04  
D 7'  
598 = 599.2

270° = 270.9'  
D 1.045  
284.56

26 = 27.2

149 = 148.9  
D 2.105

718° = 719.1'

334.19'

392' = 393.2  
D 8'  
320.15

6.89

380 = 381.08  
D 0.13  
440.687

844' = 845.1'  
D 31' →

526.3

526.3  
From South  
Stake # 9.  
526.6  
Corr. dist. 2

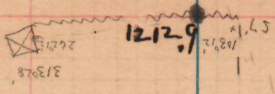
MP 8

4.11 W of E 325  
# 8 m.p.  
Stake east 2.7'

18036



Coast Road



196'  
 491.2'  
 3.30'

1704.1

808'  
 8089'  
 1.16'

10.4'  
 3.10'

124'  
 4.406'  
 2.520'

2513.0

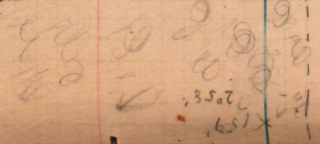
Hydrofolia Garden

282'  
 282.7'  
 2.231'

2795.7

12.08'  
 1.388'  
 2.562'

North



South

502.3'  $\Delta 2^{\circ}33'$   $\rightarrow$

253.18  
E 40.8  
106

3268.0

6.8  
1.26  
6.8

395  
2.29  
930.3

824.1  
D 19.57  
824.2'  $\rightarrow$

185.45  
D 19.36  
6.56

173.21  
D 19.57  
466

584  
D 5.0  
151.13

222.4

82.2  
D 19.46  
175.53

500.0'  $\leftarrow$  E 10.11' 500.1

150  
E 2  
25.45

44.3  
D 19.39  
512.3

4622.3

35.0  
D 19.40  
44.11  
67.6  
67.6

22.1  
E 30.56'  $\rightarrow$   
221.7'

120.9  
D 19.39  
78

2.29  
D 4.0  
320.6

6584.9

9

133° 6'  
B.S. 8  
291

195  
D. 107  
101  
101

90° and 15825  
# 7 m.h.  
Stake East .6'

526.12  
+ 2.7  
526.39  
- .6  
526.33  
from MP.8  
Con distance

420.0

526.12

MP.7

225.7

22.51



162.1

87.8



873.8

487.0

166.1

116.3

476.9

1467.0

83.2

South

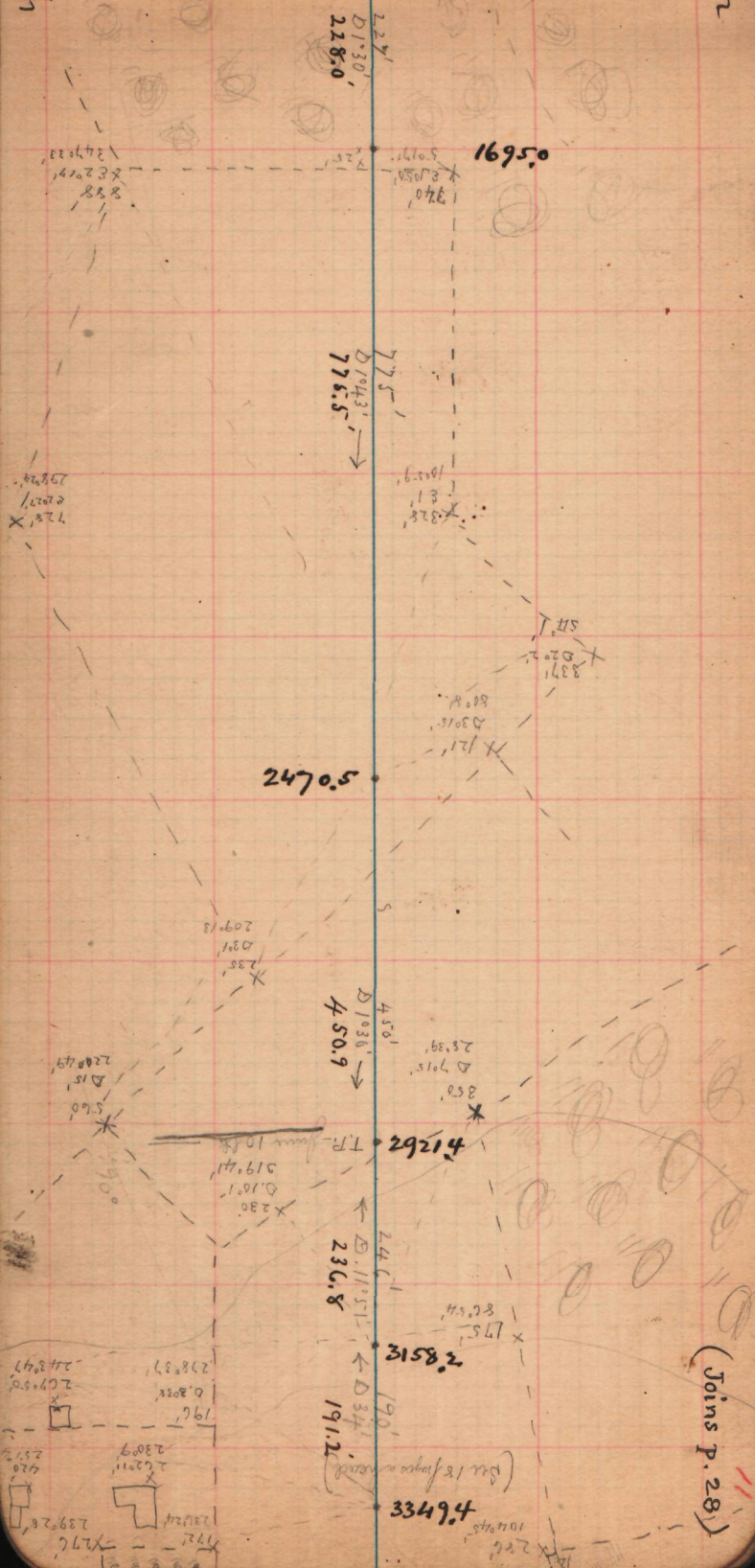
North





North

South



June 6<sup>th</sup>, 1901. A.M. 9.00

W.C.H.

Fair, hot, slightly hazy

At station west of Summit of hill west of Mile Post No 15

Barometer readings upon road at station on grassy summit of ridge about 3300 ft. West  
d 8:36 9.05 am

Upper		Lower	
7.768	12.089	7.791	12.110
772	098	799	102
781	100	796	084
786	100	790	092
784	107	798	094
789	104	804	091
<u>7.780</u>	<u>12.400</u>	<u>7.796</u>	<u>12.096</u>
	7.780		7.796
	4.320		4.300

Lower		Upper	
12.103	7.798	12.086	7.797
097	798	085	801
109	801	090	795
100	811	089	793
090	795	086	795
104	809	095	794
<u>12.100</u>	<u>7.802</u>	<u>12.088</u>	<u>7.796</u>
7.802		7.796	
4.298		4.292	
4.320	4.309	4.300	4.296

4.303"

Upper		Lower	
8.090	12.412	8.116	12.434
112	412	130	439
112	400	121	445
116	419	122	447
110	415	128	452
107	416	121	446
<u>8.108</u>	<u>12.412</u>	<u>8.123</u>	<u>12.444</u>
	8.108		8.123
	4.304		4.321

Lower Upper Lower Upper

Lower	Upper	Lower	Upper
12. 412	8. 130	12. 437	8. 154
419	130	448	148
419	137	449	151
413	125	443	149
423	126	440	153
415	121	449	148
<u>12. 417</u>	<u>8. 128</u>	<u>12. 444</u>	<u>8. 151</u>
8. 128		8. 151	
4. 289		4. 293	
<u>4. 304</u>	<u>4. 297</u>	<u>4. 321</u>	<u>4. 307</u>
4. 302			

Upper	Lower	Upper	Lower
9. 628	11. 923	7. 612	11. 922
610	926	616	917
618	928	617	920
619	918	614	920
625	911	618	930
616	925	620	929
<u>7. 619</u>	<u>11. 922</u>	<u>7. 616</u>	<u>11. 923</u>
	7. 619		7. 616
	4. 303		4. 307

Lower	Upper	Lower	Upper
11. 924	7. 621	11. 920	7. 620
921	615	915	622
921	622	920	628
918	619	915	635
928	620	918	621
924	622	920	643
<u>11. 923</u>	<u>7. 620</u>	<u>11. 918</u>	<u>7. 628</u>
7. 620		7. 628	
4. 303		4. 290	
<u>4. 303</u>	<u>4. 303</u>	<u>4. 307</u>	<u>4. 299</u>

4. 301  $\frac{2}{3}$  av. = 4. 302

cos 0° 36'	9. 999 976	$\begin{aligned} s &= 3253.9 \\ &+ 1.4 \\ &= 3255.3 \end{aligned}$
cos do	9. 999 952	
log 14000	4. 146 128	
colog 4.302	9. 366 330	
	3. 512 410	

Corrected value (bringing in partial measures and giving this triple weight) = 3256.3

June 6<sup>th</sup> Continued

Microm. Otains on rd at State in  
pines just west of road on west side  
of big hollow.

d. 10 37'			
Upper	Lower	Upper	Lower
7. 290	12. 591	7. 291	12. 630
292	605	310	621
301	604	309	621
301	594	309	598
311	610	309	603
295	619	302	609
<u>7. 298</u>	12. 604	<u>7. 305</u>	12. 614
	7. 298		<u>7. 305</u>
	5. 306		5. 309
Lower	Upper	Lower	Upper
12. 591	7. 291	12. 599	7. 297
590	285	592	301
581	299	606	290
589	301	591	293
588	297	596	302
600	308	598	294
<u>12. 590</u>	<u>7. 297</u>	<u>12. 597</u>	<u>7. 296</u>
7. 297		7. 296	
5. 293		5. 301	
5. 306	5. 300	5. 309	5. 305
	5. 302		

$\cos 10 37' \quad 9.999827$   
 $\cos 20 \quad 9.999654$   
 $\log 14000 \quad 4.146128$   
 $\text{colog } 5.302 = 9.275560$   
 $\quad \quad \quad 3.421342$   
 Corrected value = 2636.7

Left 3 stakes west, 2 in grass field  
and 1 in bushes on small ridge.

2057

Next went to stake nos of Dempsey and  
intermediate between two sighted on from 2<sup>d</sup> Cor'd  
Dist's

Back sight on Eastern stake 293 ft -  $\angle 3^{\circ} 57'$  [293.0]  
Fore sight on Western stake 325.5 "  $\angle 358^{\circ} 11'$  [326.6]

Next, moved west to northern of 2 stakes in bush cut

B.S. on last stake 338.5  $\angle 359^{\circ} 30'$  [339.9]  
F.S. on stake just W. of bushes 112.5  $\angle 359^{\circ} 30'$  [113.9]

Next moved to small intermediate stake 9. of 16 M.P.

B.S. on stake, W. edge bushes 292.0  $\angle 356^{\circ} 40'$  [292.4]  
F.S. " " N. of M.P. 16 167.0  $\angle 3^{\circ} 44'$  [167.7]  
F.S. " " just W. of last 202.5  $\angle 2^{\circ} 23'$  [203.5]

Set up approx. in line on 1<sup>st</sup> ridge in woods West

B.S. on stake W. of 16 M.P. 205.5  $\angle 357^{\circ} 56'$  [206.6]  
F.S. on pt. 1 ft N. of stake W  
of Spring, that being on  
new line 1 foot South  
F.S. on northern of two  
stakes next west in woods 119.5  $\angle 3^{\circ} 00'$  [120.6]  
288.5  $\angle 2^{\circ} 28'$  [289.4]

Set up 4 ft E. of 1. stump on hill west

B.S. on S. of 2 stakes 271.5  $\angle 3^{\circ} 40'$  [271.8]  
F.S. on stake on ridge in  
woods E. of Greenfield's 201.5  $\angle 357^{\circ} 45'$  [202.6]

Set up over stake last road to and sighted  
on rd at stake near west side open field

F.S. on Stake no. of Greenfield's 662.0 ft  $\angle 359^{\circ} 16'$  [663.3]

At 12 o'clock stopped for lunch

At 12.30 set up over stake last road to.

Put in a new stake N. of Greenfield's lane and  
road back to that.

B.S. on stake N. of Lane 330 ft -  $\angle 0^{\circ} 27'$  [331.4]  
F.S. on new stake half way  
up bushy cut to West 329.5  $\angle 356^{\circ} 57'$  [330.0]

Set up over S. of two steel stakes on piney ridge

B.S. on last stake 314.5 Level sign - [315.9]  
F.S. on stake near W. cor  
John Cameron's wheat field 353.0  $\angle 0^{\circ} 07'$  [354.4]  
5.47 ft W. of t. cor. -

Moved west to stake about 12 feet in woods east of Reynolds' oat field.

Corrid  
Dist's

B.S. on stake N. of Carnoms cor.	387.5	E 359 31	388.9
F.S. on " in oatfield	375.0	E 358 41	376.2

Set up at stake in edge of woods on west side of oat + wheat field

B.S. on stake in oat field	691.0	E 358 57	692.2
F.S. " " wood lot	330.0	E 359 29	331.4

Set up over stake close to flag pole on east side of road app. Reynolds' house.

B.S. on stake in woods	314.5	E 358 11	315.6
F.S. on stake W. side road	53.0	E 357 22	54.8
28.9 ft N. of line fence			
F.S. on Reynolds' wood side	89.5	E 359 28	90.9
6.24 ft N. of S.E. corner			

Measured 41 feet S. of stake in front of Reynolds' house and set over that point to divide distance  
Working now on line 40 ft S. of Sylvania line.

B.S. on stake on ridge E. of road 41 ft S. of other	370 ft	E 357 54	370.9
F.S. on temp. pt.	266	D 0 56	267.3

Set up over stake on E. bank of Guech

B.S. on temp pt in field	130	E 357 43	131.2
F.S. on stk S. of M.P. 17	128.5	D 13 23	123.0
F.S. on temp pt on slope of hill W. of M.P. 17	461	D 1 16	462.2

Set over stake S. of Mile Post 17

B.S. on East line	180 00 00
F.S. on M.P. N. 17	83 57 30

Dist to same (taped) = 18.12 ft p = 18.02 b = 1.91  
~~mile stake S. of Sylvania line (B)~~ 22 ft

Set up over stake near N.W. corner of field of gram S.E. of Bruness' house

B.S. on temp. pt on slope	227 ft	D 0 48'	228.4
F.S. on stake W. of S. cedar	128.5	E 357 01	129.6

Skipped diagonal offset at Gardner Turnover  
 Set up over S. of 2 stakes in diag. offset and took  
 P.S. to intermediate stake in woods  
 290 ft  $\angle 0^{\circ} 53'$  [291.3]

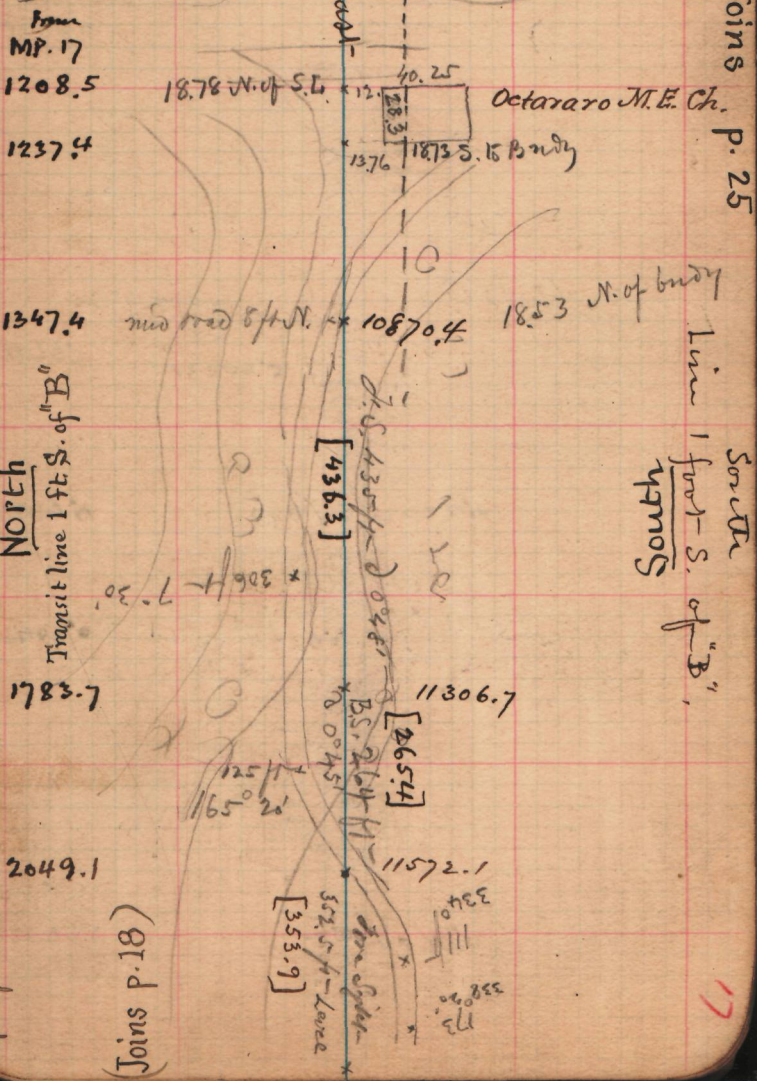
Set up over S. Stake on S. side road W. of Octararo Church  
 B.S. on intermediate stake 332.5  $\angle 0^{\circ} 40'$  [333.9]

BS Stake in line N. of N.E. cor. Ch. 137.5  $\angle 359^{\circ} 46'$  [138.9]  
 " " " " " " " " 110.0 359 35 - [111.4]

N.W. Cor. Church 111.5  $\angle 187^{\circ} 00'$   
 D.W. " " " " 125.0  $\angle 205^{\circ} 14.5'$

Joins p. 25

Joins p. 25



Joins p. 18

p. 17

17

P. 18  
From  
M.P. 17  
2049.1

(Joins p. 17)

North

2403.0

2499.4

2679.3

3043.0

2220.6  
5263.6

[353.9]

11926.0  
[964]

(Sta)

12202.3

[666]

[663.7]

12566.0

2220.6 to m.p. 18  
14786.6

Transit line, 1 ft. S. of "B"  
West foot

See p. 39, Vol. 1  
" 47, " 2

thos south  
line 1 foot south of "B", or by lines line

East

Sta

11572.1

N.S. 382.5

B.S.

E 359° 30'  
F.S. 178.5

F.S. 382.5

128.5 ft 210°

62.5 ft 270° 05'

115 ft 316° 27'

copy from [unclear]



P.19

North

South

West

East

Joins p.40  
of Vol.1

From N.P. 15 = ~~1130.5~~<sup>912.5</sup> Stake just W. of Small flag W. of #15

From M.P. 15 = 1130.5 Stake on W. brow of hill, near grass lot

(Line 2 feet N. of B (Dylmar line))

1400  
1200  
800  
600  
400  
200  
0

[218.4]

29.5  
D.S. 40

45.8  
D. 40.8

88

71'  
18° 05'

73'  
327° 33'

314'  
214° 47'

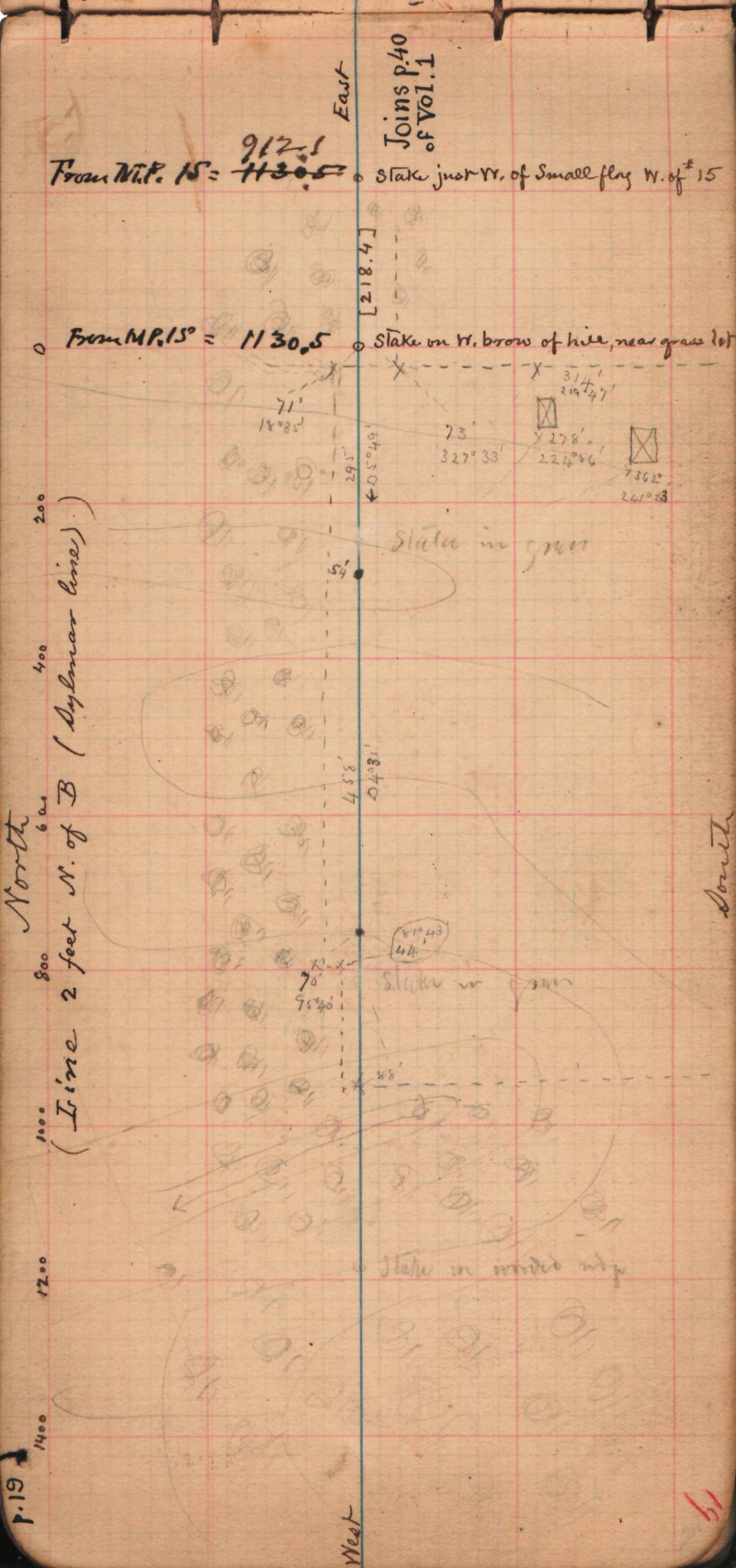
2278'  
224° 56'

7362'  
241° 53'

Stake in grass

Stake in grass

Stake in wooded ridge



p. 20  
1400  
1600  
1800  
2000  
2200  
2400  
2600  
2800  
3000

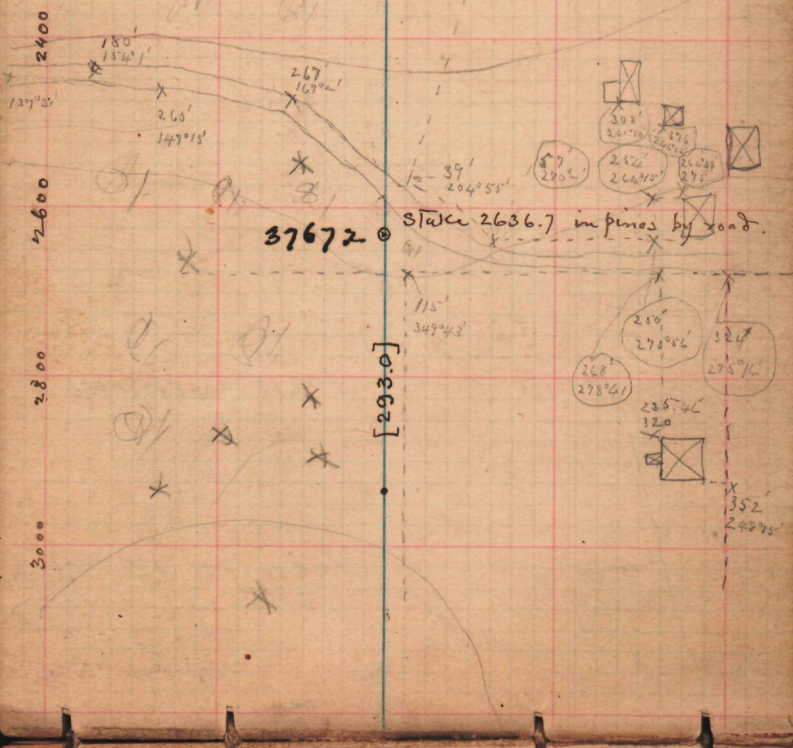
Peak

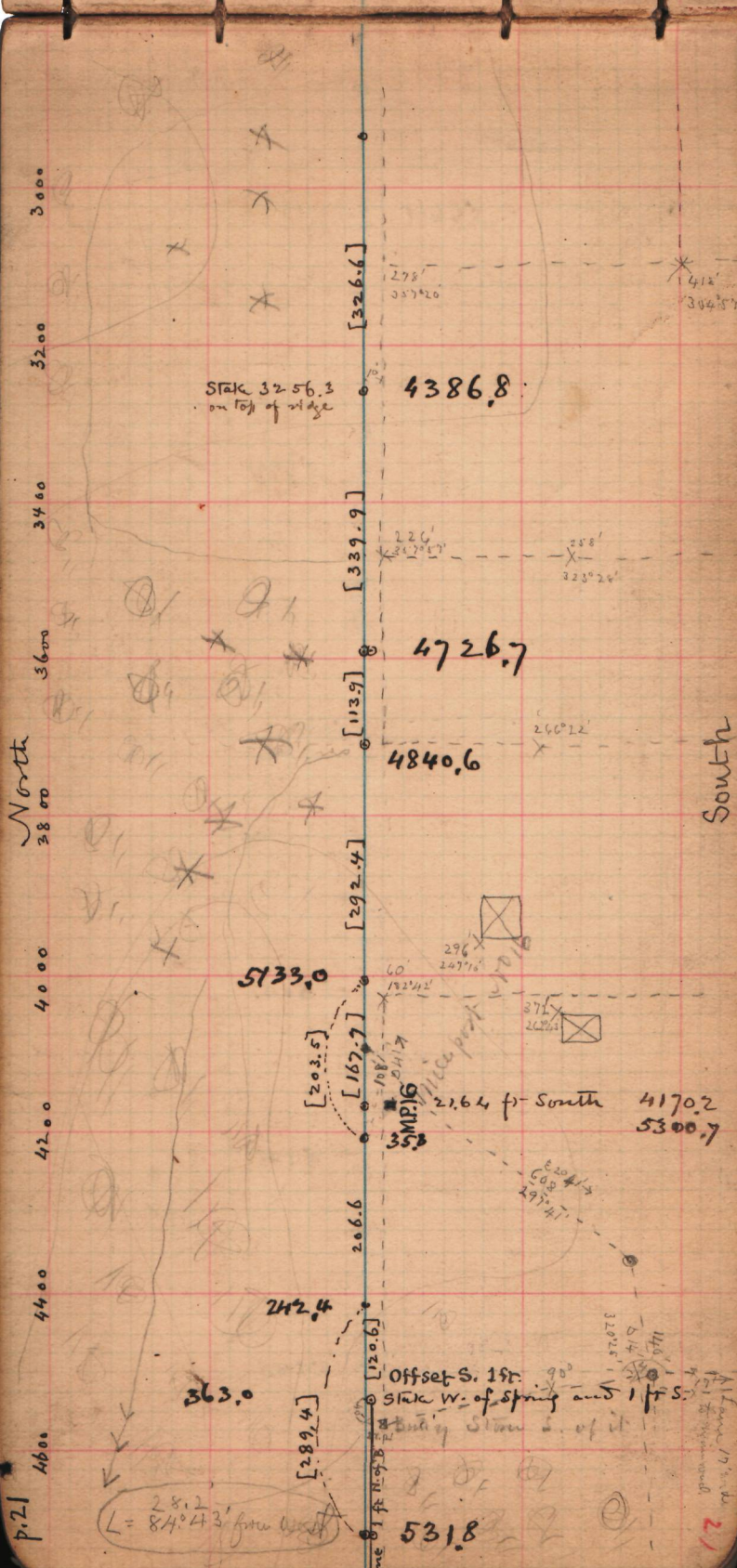
Transit line is 2 ft. N. of "B" Line

Broad bushy valley

South

North





North

South

3000  
3200  
3400  
3600  
3800  
4000  
4200  
4400  
4600

[326.6]

278°  
337°20'

412  
304°57'

State 3256.3  
on top of ridge

4386.8

[339.9]

226°  
317°16'

258°  
323°26'

4726.7

[113.9]

240°22'

4840.6

[292.4]

296°  
247°16'

5133.0

[203.5]  
[167.7]

2.64 ft South

4170.2  
5300.7

35 MP 16

206.6

242.4

363.0

[289.4]

Offset S. 1ft. 90°  
Stake W. of Spring and 1 ft S.  
Building Stone S. of it

531.8

p. 21

28.2  
L = 84°43' from west

Line 1 ft N. of B.

All Town 17, 18, 19, 20, 21

P. 22  
 62.00 58.00 56.00 52.00 50.00 48.00 46.00  
 North  
 54.00

Transit Line 1 foot N. of "B" (Aylmer line)

East

22

Woods

South

531.8

803.6

1006.2

1338.1

1669.5

[271.8]

[202.6]

[663.3]

[331.4]

[330.0]

1999.5

4.2  
 4.72  
 315.2

234.0  
 265.2

148.9  
 86.6  
 36.1  
 191.5

268.3  
 270.4  
 18.8

X 266.58

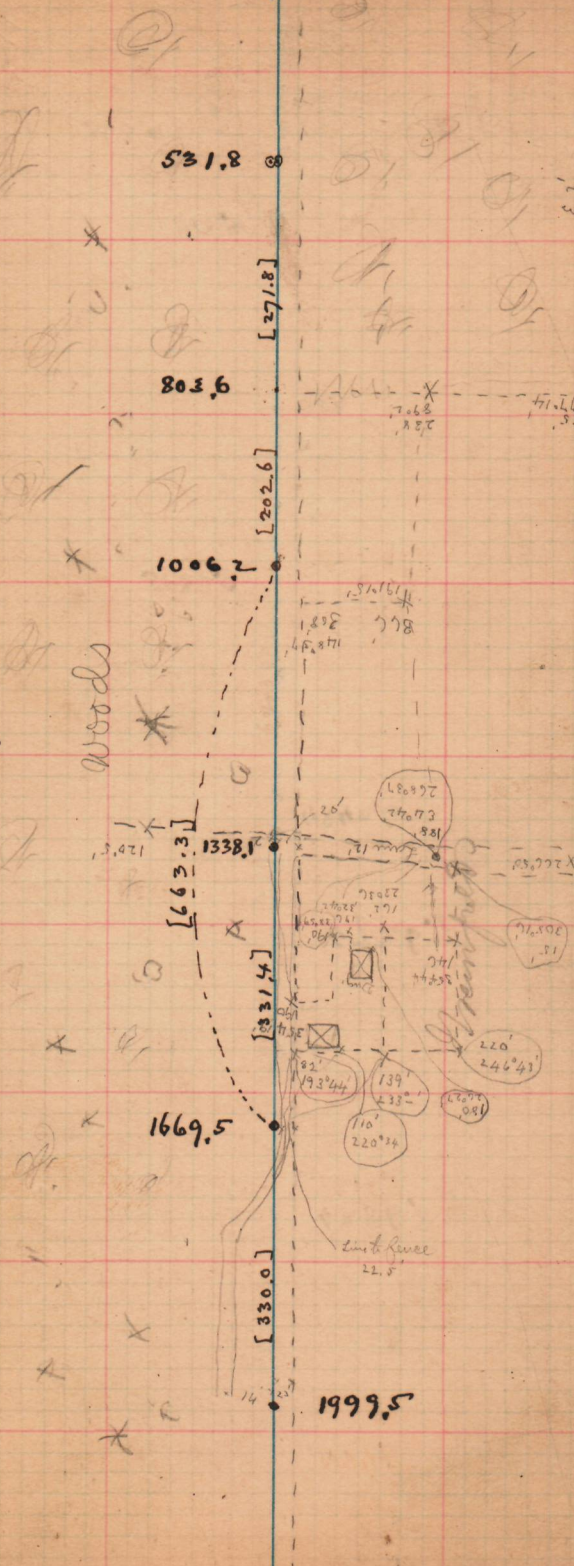
205.76

220  
 246.43

160.94  
 98.1

110  
 220.14  
 233  
 139  
 193.44

Line Level  
 21.5



p. 23

North

South

78 00  
76 00  
74 00  
72 00  
70 00  
68 00  
66 00  
64 00  
62 00

Mount Pleasant

Piney Ridge

Woods

Woods

Concession

14723  
1999.5

[315.9]

[354.4]

[388.9]

[376.2]

2669.8

2315.4

3058.7

3434.9

115'  
185°16'

270'  
241°49'

36'  
292°43'  
106  
277°47'

145'  
418

295'  
134°12'

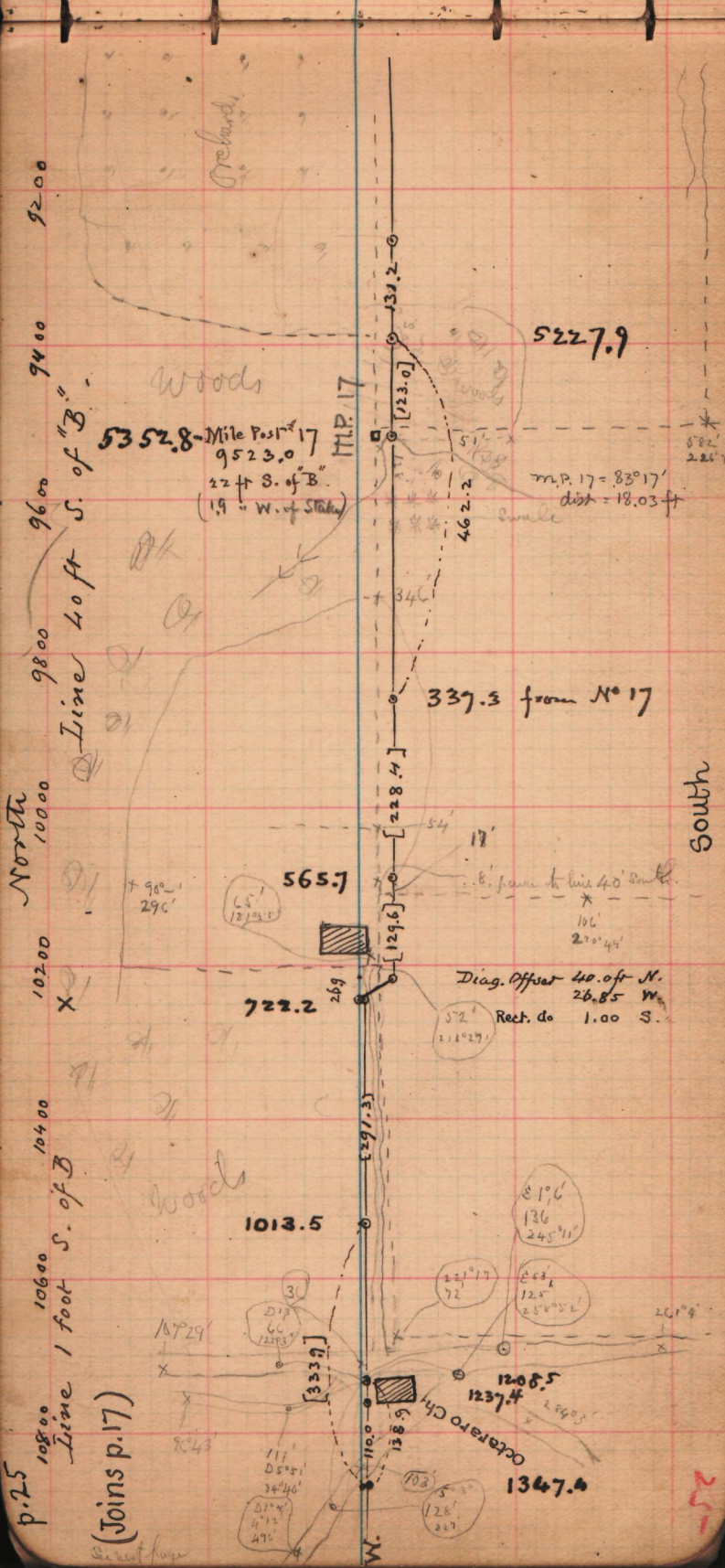
365'  
123°27'

418'  
94°43'

West

32





North

South

10800  
10600  
10400  
10200  
10000  
9800  
9600  
9400  
9200

Line 40 ft S. of "B."

Line 1 foot S. of B.

(Joins p.17)

5352.8 - Mile Post # 17  
9523.0  
22 ft S. of "B."  
(1.9 " W. of Stake)

M.P. 17

565.7

722.2

1013.5

[333.7]

131.2

[123.0]

[228.4]

[291.3]

110.0

W.

5227.9

337.3 from N° 17

Diag. Offset 40.0 ft N.  
26.85 W.  
Rect. do 1.00 S.

m.p. 17 = 83°17'  
dist = 18.03 ft

Swale

8' fence to line 40' South.  
\*  
106'  
270°45'

81°6'  
136'  
245°11'

221°17'  
72'

58021  
50822  
50823  
50824  
50825  
50826  
50827  
50828  
50829  
50830  
50831  
50832  
50833  
50834  
50835  
50836  
50837  
50838  
50839  
50840

1347.4

Ocatararo Ch.

Orchards

Woods

Woods

p.25

251

210  
034  
166



12

97







$$\begin{array}{r} 52.837 \\ + 2.0 \\ \hline 54.837 \\ \text{Cor. d.s.} \end{array}$$

From MP. 6  
2.102

#6 m.j. Stake west 2.0

MP. 6

245' →  
E 55°

73825

202' →  
117' →  
203.2

← E 30° 30'  
277.1

102005  
244'

48.4

264.05  
128'

84° 58'

323'

473'

D 105° C' →  
673.4

229.053  
296'

232.4  
355.2  
246.1  
833.7

587.2

7.1511

115.2  
341.048

202' →  
384.171

1307.0

158' →  
89.7  
155.8

[211]  
226.31  
D 105.9'

(107)  
181.7'

117' →  
140.5

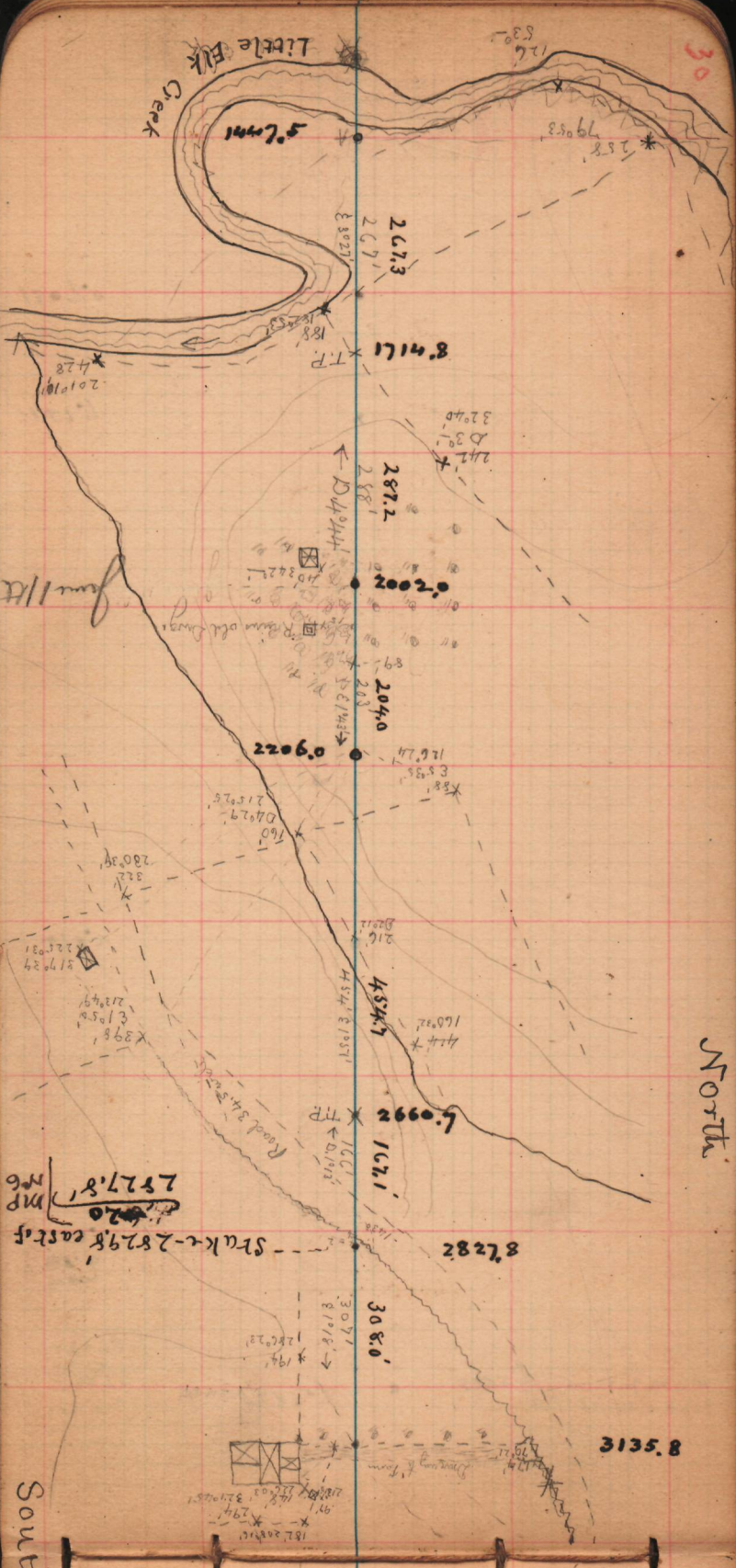
FS.

5.1471

Black Creek

29

Little Elk Creek



North

South

2.0  
MP  
2527.8'

Stake-2829.8 east of



South



433.2  
432  
D 5 →

142.58  
560



To Lewisville

Stake on west  
#6  
362.26  
2.0  
Stake = 362.46 from

365.53  
2.0

Stake on east side  
365.73 from #6

0.6956  
438.6

32.7  
3596

695.7  
695  
E 1° 28' →

592  
46.28

313  
247.31

0.1539

515  
890.1

520.1  
26.8 + 200  
E 1° 45.5' E 2° 03'  
710.54  
50.73

526.6

440  
270.52

9.1884

\* TR

450.2  
449  
← D 35

31

32

#5 m.l.  
Stake 2.12 west

$$\begin{array}{r}
 5237.5 \\
 - 2.0 \text{ at \#6} \\
 \hline
 5235.5 \\
 + 2.12 \text{ at \#5} \\
 \hline
 5237.7 = \text{cor. dis.}
 \end{array}$$

MPS

349.2'  
349'  
E 31.6' →

From #5  
328.0

383.2'  
384'  
E 0.8' →

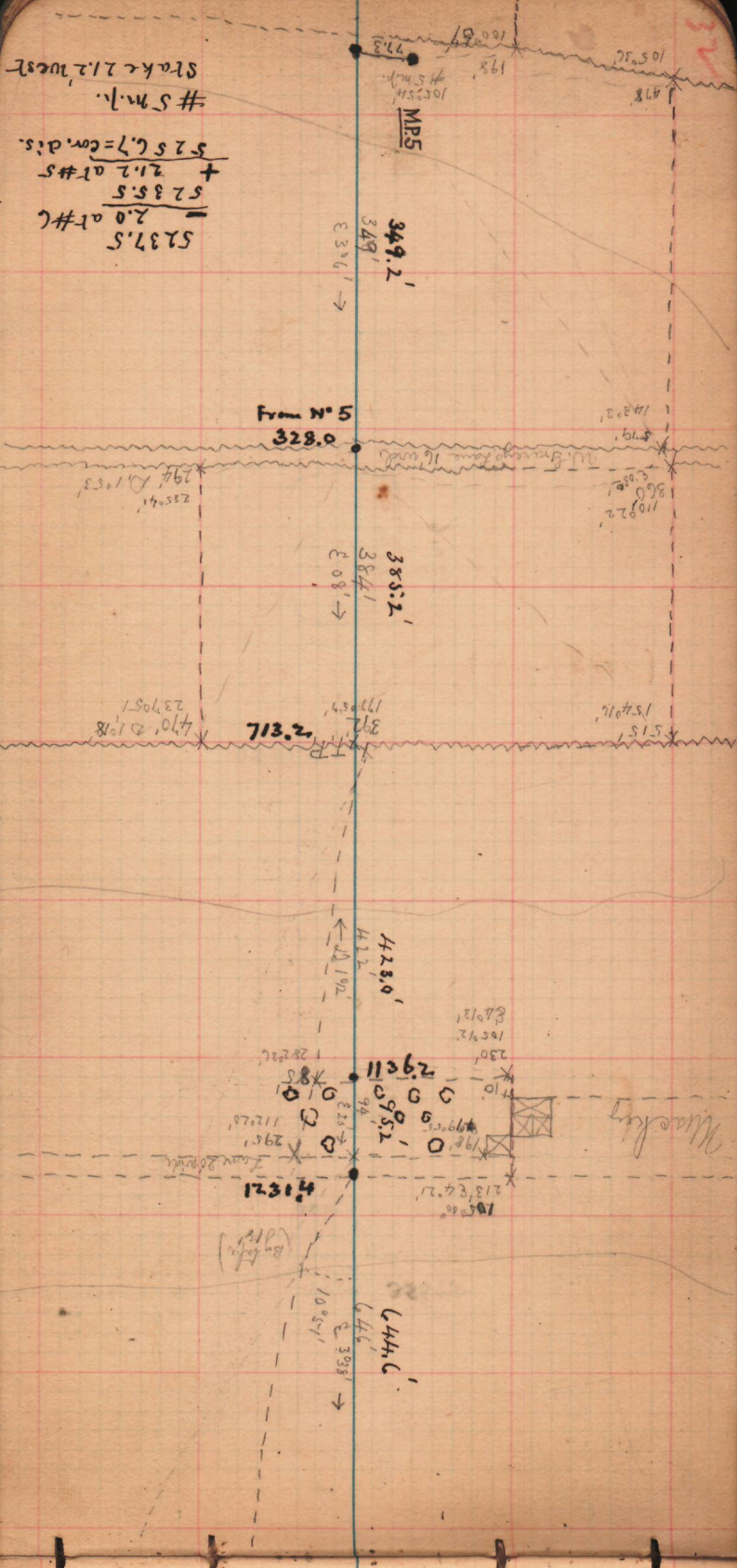
713.2

423.0'  
422'  
E 1.02' →

296.11  
295.2  
295'  
413.21

444.0'  
446'  
E 3.93' →

MacKey



18760

X T.P.

June 12

411  
412.2

2288.2  
(Top leg from #5)

2882.2

June 12

476.2

Shirley

235.5

(2708.5 from #5)

660.2

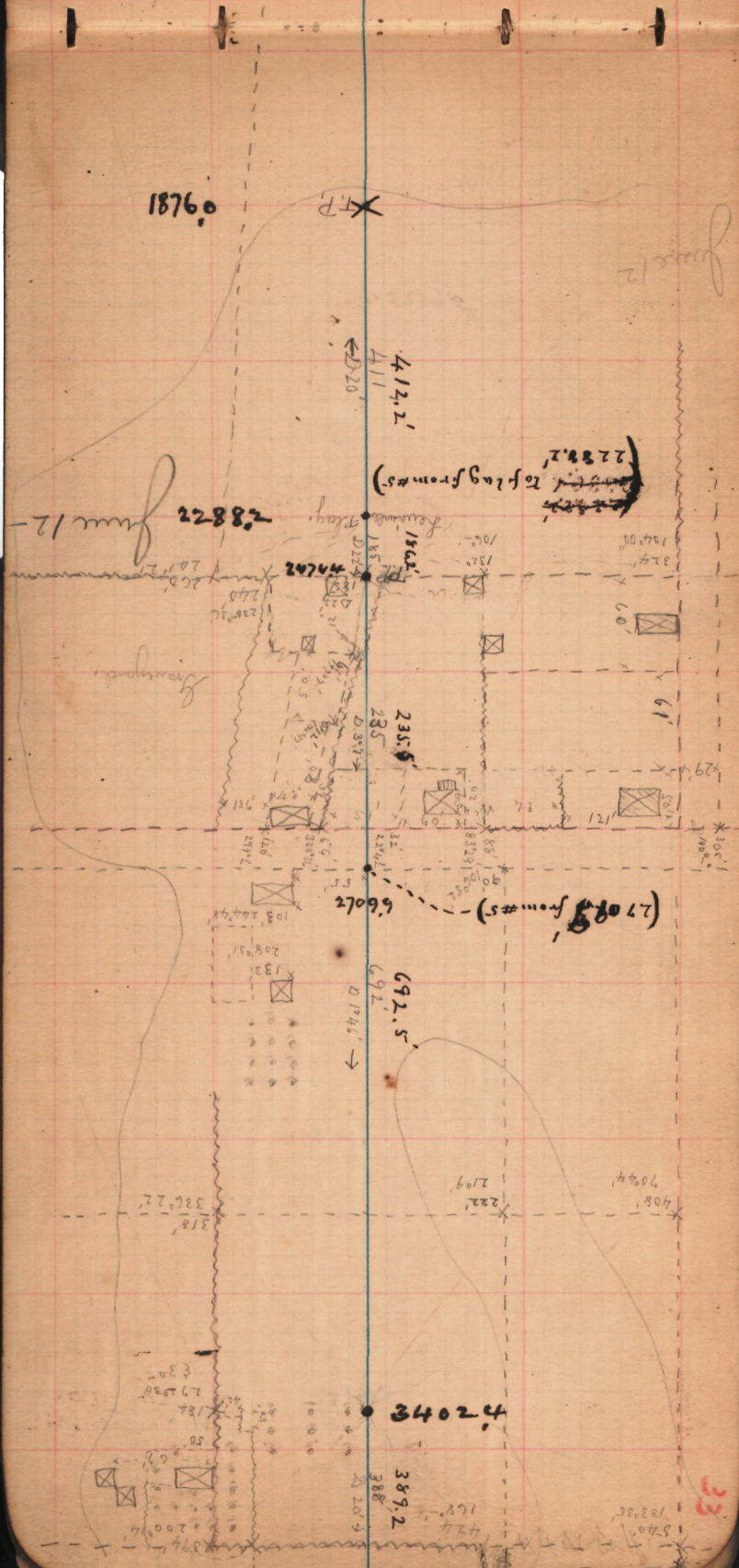
692.5

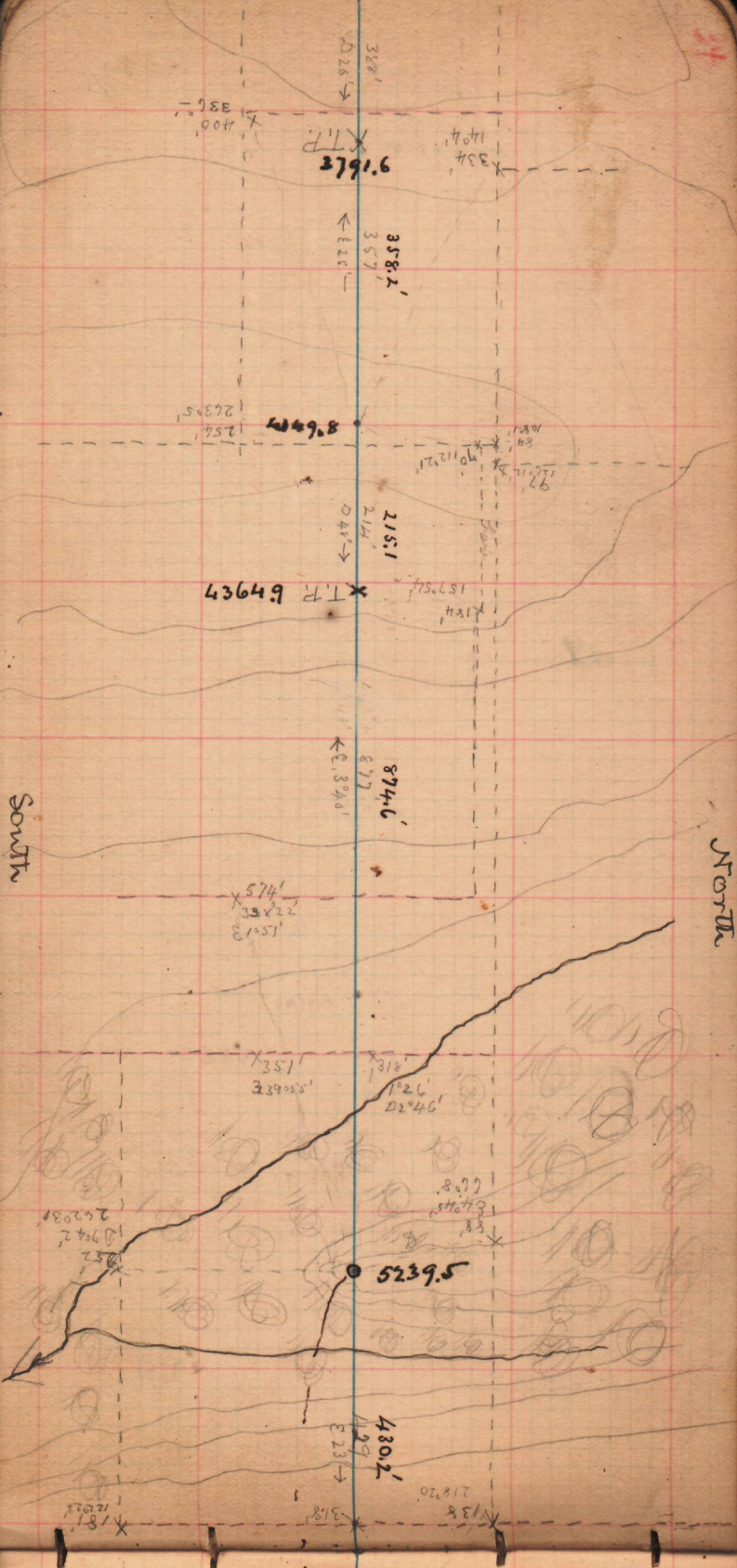
692  
D 144.2

3402.4

389.2

33





382'  
 334'  
 1404'  
 334'  
 3791.6  
 X.T.F.

358.2'  
 357'  
 4225'  
 2639.5'  
 254'
 8649.7

215.1'  
 214'  
 044'  
 X.T.F. 6493.7  
 1579.5'  
 184'  
 97'  
 120.12'  
 101.1221'

8746'  
 877'  
 8139.0'  
 15013  
 33822  
 175'  
 574'

3399.55'  
 351'  
 1026'  
 02°46'

2520.8'  
 1094.2'  
 1052'  
 5239.5

430.2'  
 199'  
 223'  
 318'  
 138'  
 218'20'

South

North



5897.6  
+ 5.2  
5892.4  
- 24.2  
5813.6  
m.d.s.

Stake 5.2 west

MP4  
93.23

97685

From M.P. 4 - 402.7

5529

6988

677.9

13958

6995

222.7

453.9

232.8

257.2

291.2

217.9

222  
Δ 2045'

407  
E 1031'

232  
E 2225'

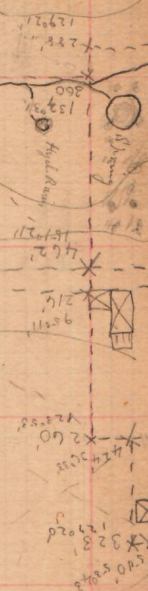
250  
E 89'

290  
Δ 144'

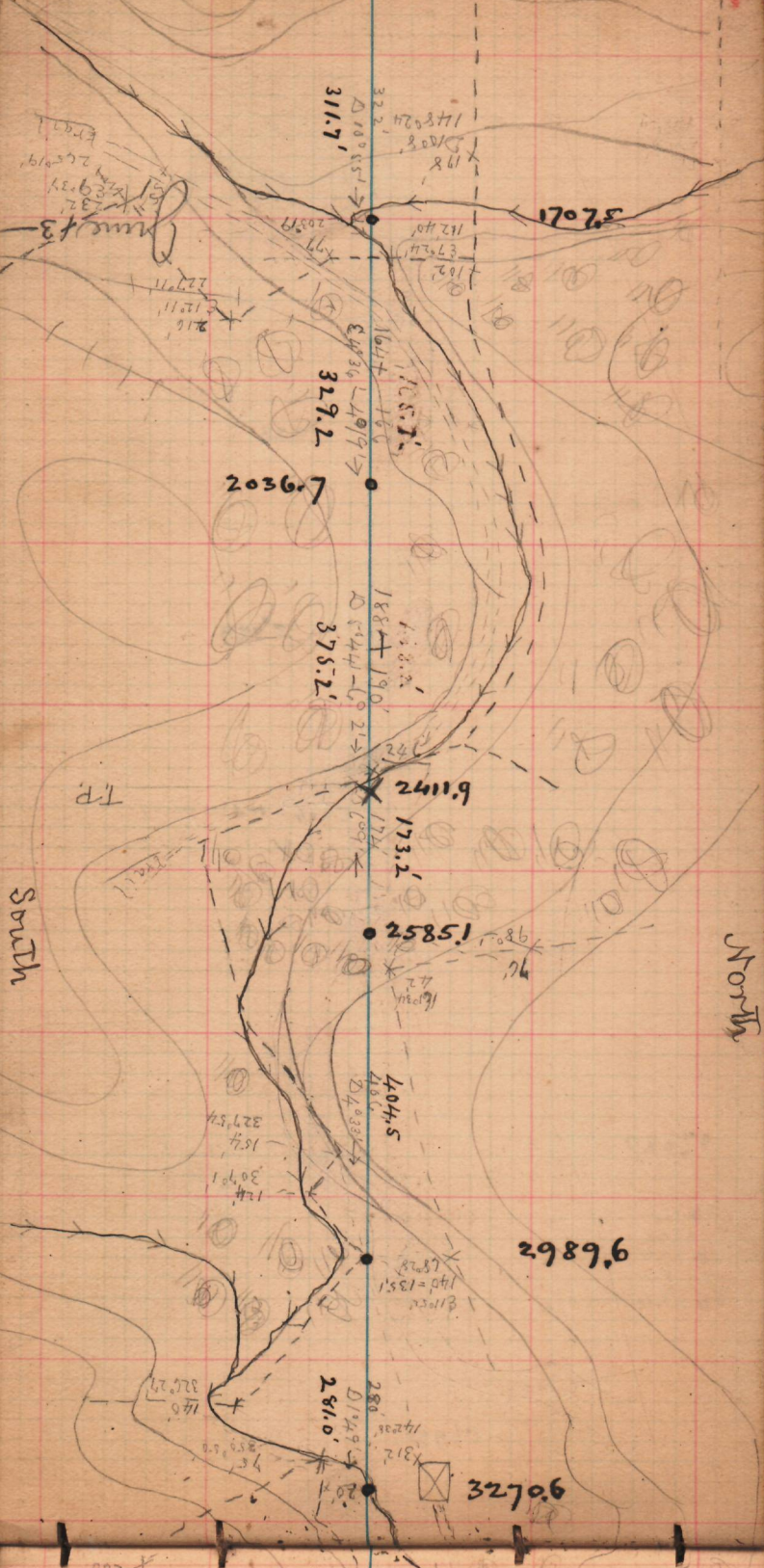
222  
E 2052'

178  
6121

159  
26557



1395.8 from M.P. 4.



South

North

James #3

TP

3270.6

281.0'

404.5

6111.2

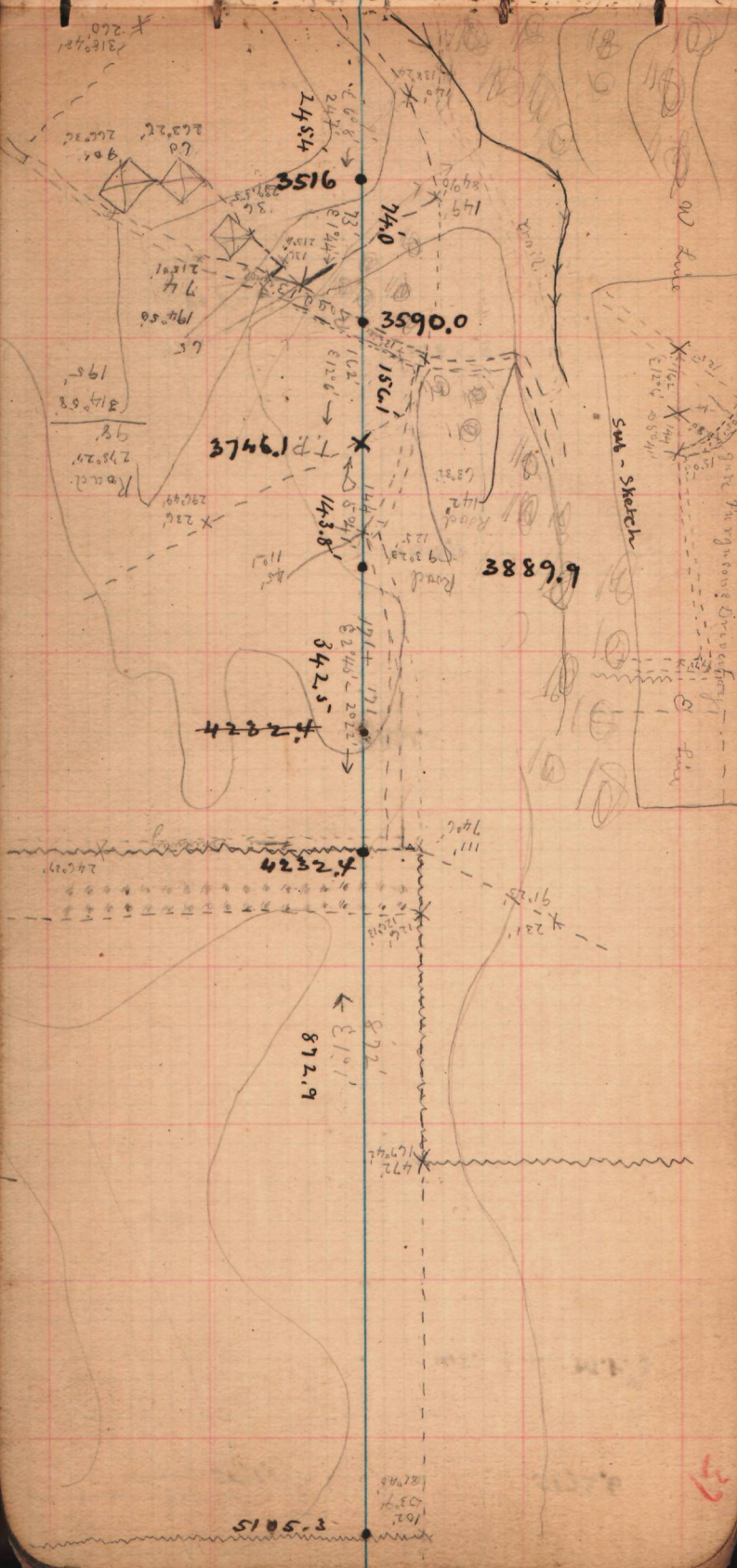
2036.7

329.2

311.7'

2989.6

1395.8 from M.P. 4.



\* 260  
316.4

68  
263.2  
260.3  
90.4

2454

3516

740

3590.0

156.1

3746.1

143.8

3889.9

342.5

4232.4

4232.4

872.9

3505.3

Sub-sketch

Rail

Road

Road

Road

27

5173.6

#3m. 910.0

M.P.3

M.P. #3 most 148.7

66.2

150.8

680'

680' [664.9]

(This slope is much steeper than sketched)

Stak + W + 872

#3 m.p.

#3	
5176.7	-
5.2	=
5171.5	+
2.1	+
5173.6	Cur. a.s.

South

North

Big Elk Creek

Note: As the topographer has in forming a valley given no measurement as to the banks of the creek, except on the lowest side his sketch cannot be correct. sides of much value.

1628

3136

102.2

283.6

335.8

6491.1

[120.2]

237.9

[118.9]

1402.8

693'

1272.1

209.0'

Sta.

1147.1

(Cur. d. 651' 100' 171' 103')

365.0  
E 102.9' →  
804'

2106.1

422' ←  
508.2  
E 91.3' →  
52.851'

2614.3

676.6  
E 59.1' →  
768'

553' ←

1977.4  
65.0

380  
340' 8.7'

2705.2  
KTR

271' ←  
272.1

307

3779.3

31

North

South

Farm Lane

3779.3

17019  
17027

17041  
17043

1714

17058  
17059

540

972.1  
973.2

5256.9

K-T-D

382.1  
383.2

To Lewisville

Cor. d. s.  
5257.0  
2.6 - (2.175)  
5254.4

#2. Stake east is

#17525  
MP2

6452.5

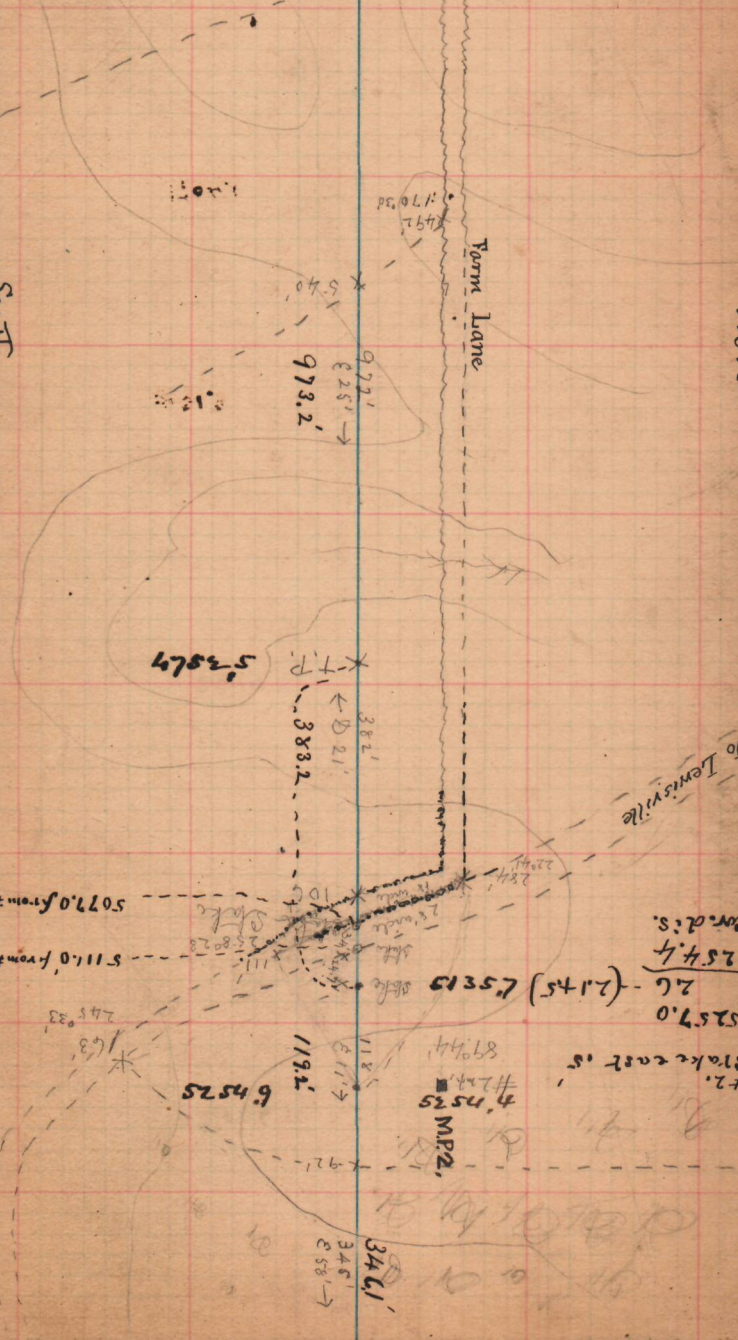
1192.1  
118

922

346.1  
346  
358

5079.0 from #3  
5110.0 from #3

245.33  
163



200' from map. No 2

243.0  
242'  
31944' →

9685 X T.P.

1932'  
192'  
← 822'

8788

479.2  
4781'  
← 802' →

1262.0 X T.P.

1330.5

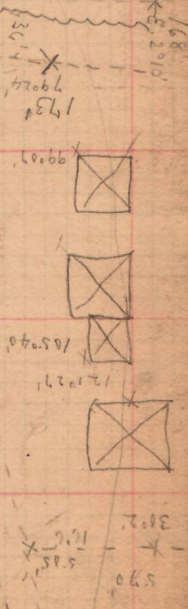
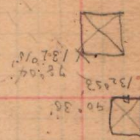
169.0  
181'  
273.1' →

1431.0

272'  
D 1000' →

1704.1

902'  
D 46' →



Public Roads

Blowdown

132'  
28050

260'  
30821

122

632.9'

2337.0

113.2

116.0

2095.2

419.2'

418'

0.24'

2979.4

358.2

357'

357'

3337.6

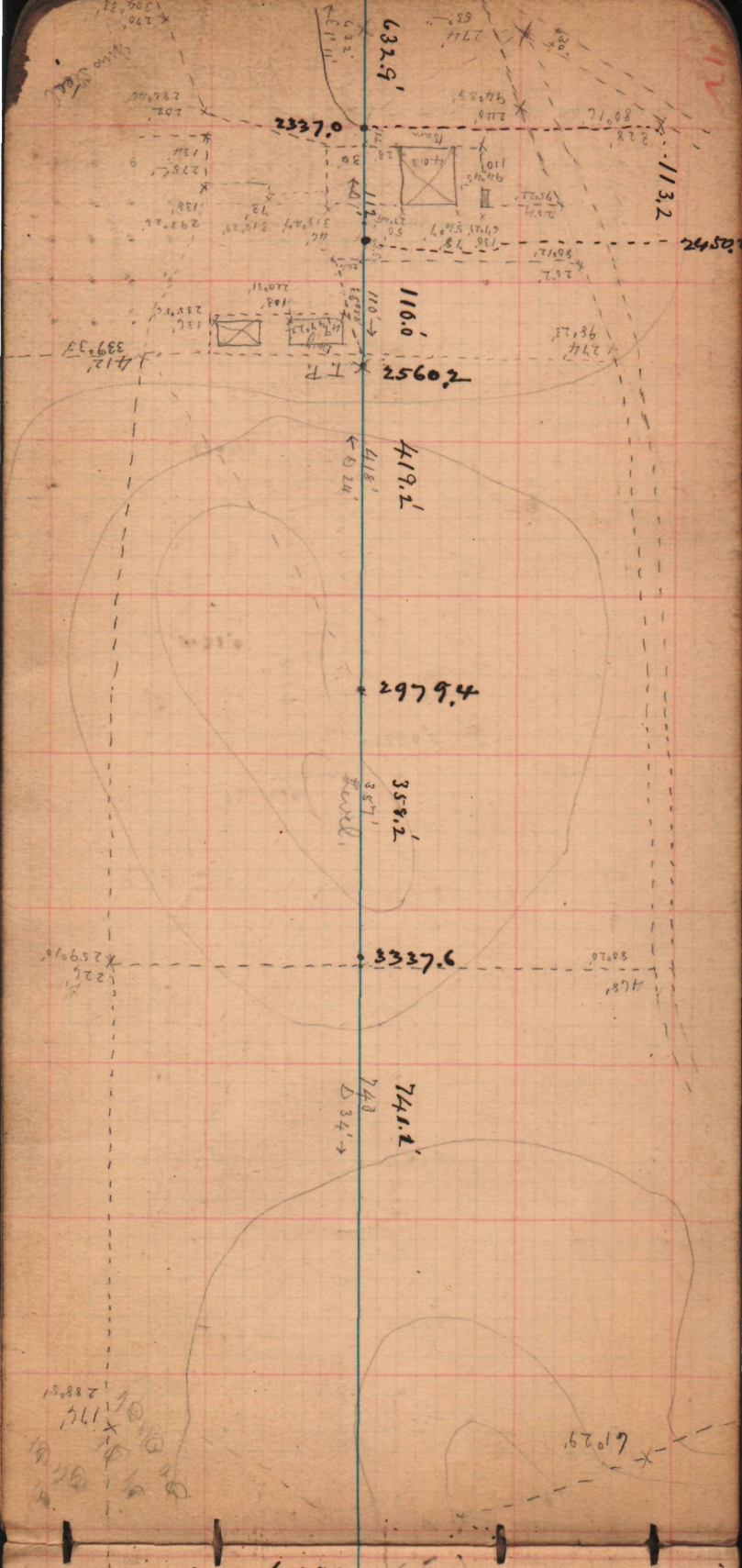
741.2'

743

0.34'

610.29'

4078.7





4078.7

4301.8 T.P.

22.3.1  
22.2'

32.1.2  
32.5'

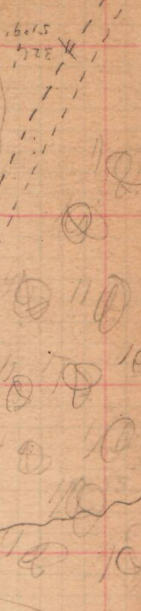
67.0  
68'

57.6.9  
57.6'

309.0  
308'

580.9  
580'

593.8



5205.4  
+ .15  
5208.9  
3.3  
5205.6

6802.5

#1 9502.5  
3.3' west of  
skc

M.P.1

#1 m. 1  
8803.6

From 1st - 312.3

580  
580'

870  
1530.2

1470.9  
247.7

328  
146.7

210  
129.1

182.6  
20.45

154.12

140.29  
6.2

171  
125.1

130  
57.6

15  
62.23

180  
59.6

519

32.6

519

519

893.2

17.11  
138.8

492.3  
492.1  
31053' →

1385.5  
427.2  
1812.7  
1.822.5

427.2  
427.0  
891' →

220.34  
120'

205.35  
92'

174  
177.19

158.25  
98'  
78.25  
80'

151.80  
80'

140  
150.21

1812.7

346+346  
693.0  
258' →

605.4  
63'  
149'

155  
144'

2505.7

\* TP 2505.7

← E 20° 57'

384'  
384.2'

6688.2

14.81'

D 3° 3' →

22.5'  
225.6'

5115.1

Sum 20

South

North

322° 37'

324° 53'

D 3° 50'

1680.5'

604'-601.9'

2665'-663.7'

X T P

532  
311° 42'

1471.55'

2704.8'  
4246'-4411'

934'-934.8'

600 + 600  
E 103° - 101.2  
1200.5'

Sta.

43160

328.2'

D 3' →

\* TP

Public Road, Sometimes called "Elbow Lane."

45

(3)

(2)

Sub sketch on larger scale showing the connection between the last Transit Station and the "Initial Monument" at N.E. Cor. of Md.

From line to Initial Monument #0 w.p. 154.97 = taped distance on

Scale =  $10 \times 31 - 0$

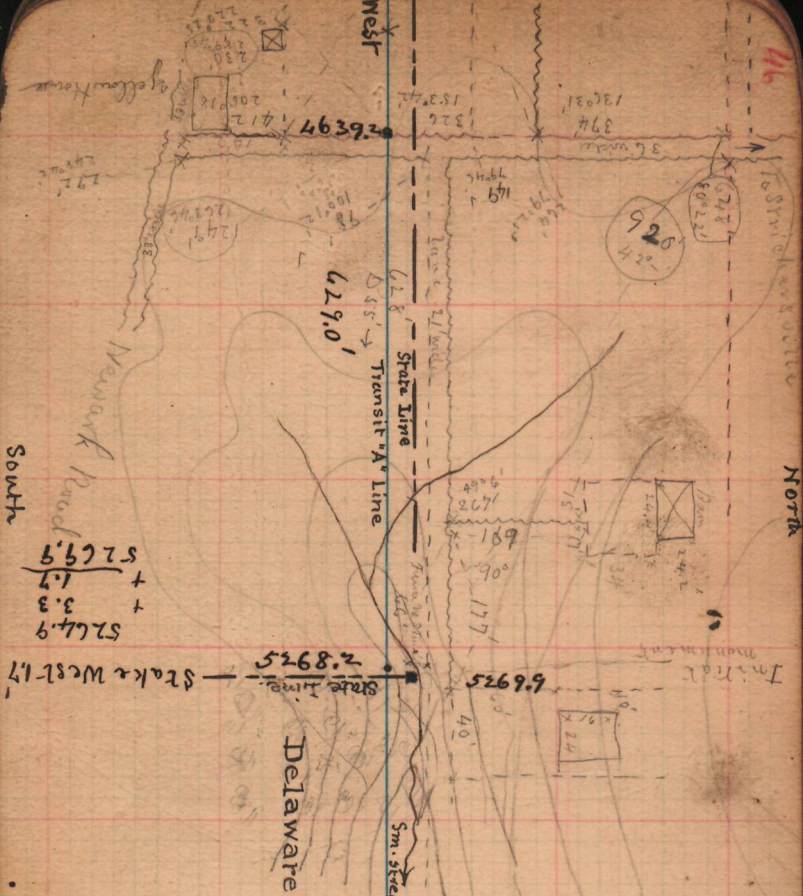
Reduced to Horyz. = 152.37

Co. S. r.  $37' 30'' \times 152.37 = 152.35$

(Tech. offset)

Face  
Face

Eastern end of boundary between Pa. & Md.  
The central blue line represents the Transit line, from which the azimuths are measured, thus: N. = 0°; W. = 90°; E. = 180°; S. = 270°. All distances are in feet.



5264.9	+	3.3
	+	1.7
5269.9		

(Joins p. 18)

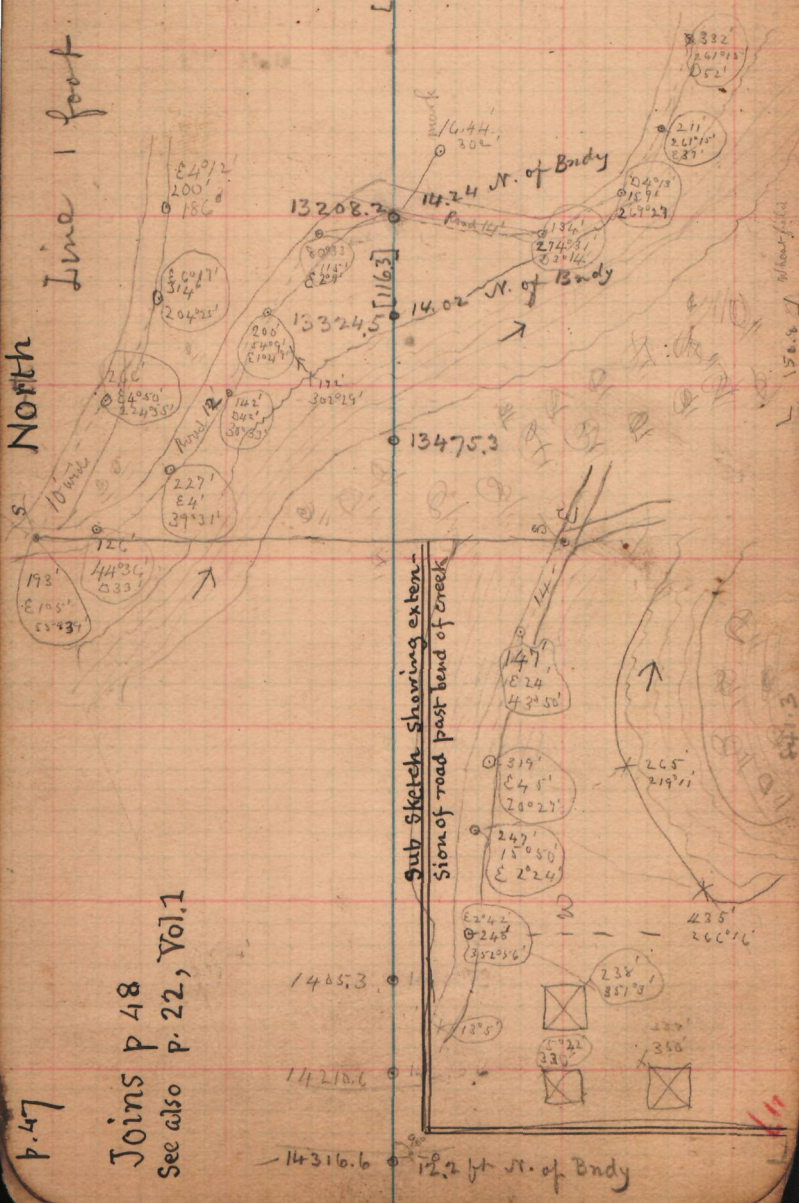
Line 1 foot S. of "B"

North

South

1542 N. of Bandy  
12566.0 [ ] Ferguson's house East of Detararo Creek

[642.2]



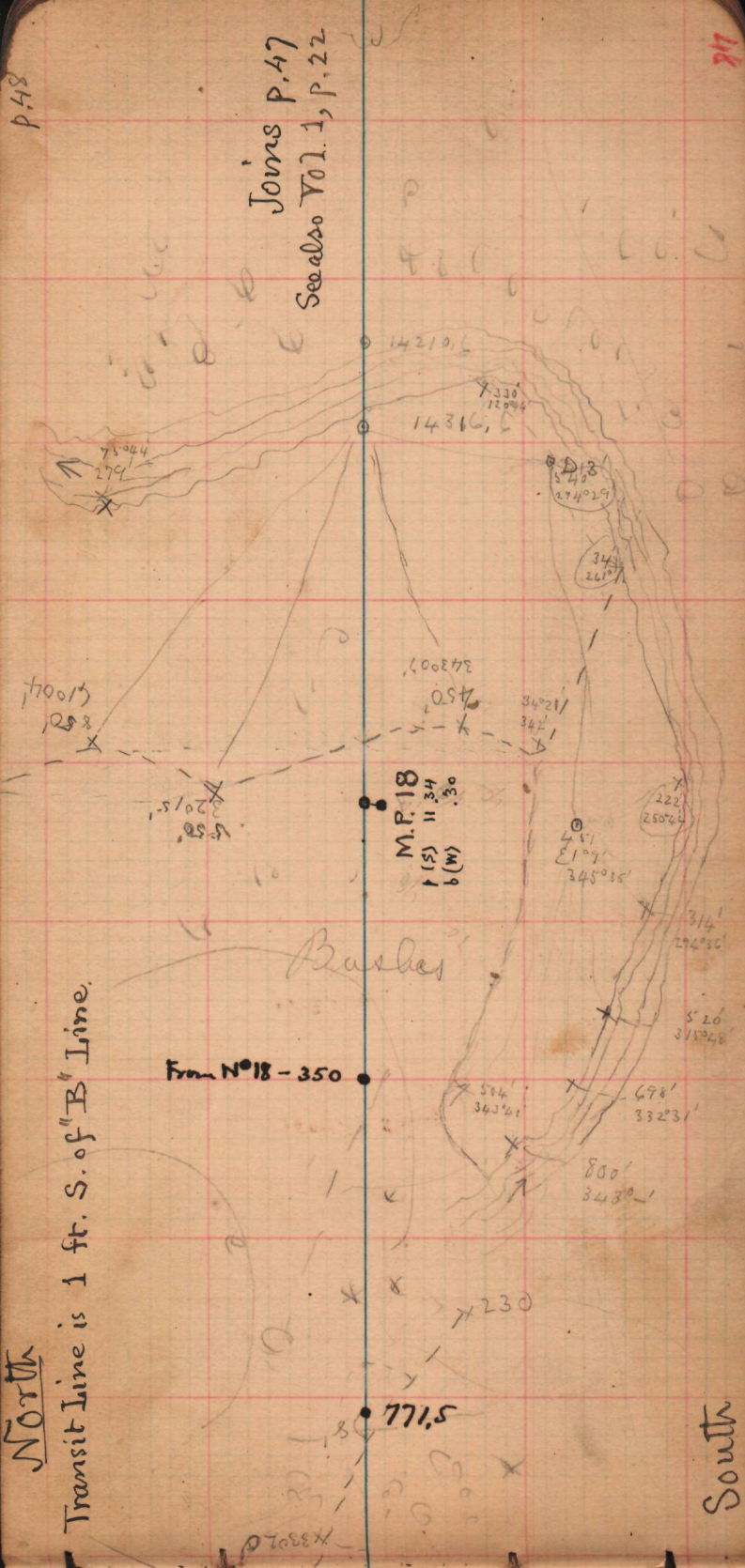
Joins p 48  
See also p. 22, Vol. 1

p. 47

P.48

24

Joins P.47  
See also Vol. 1, p. 22



8656.8

1206.6

1362.9

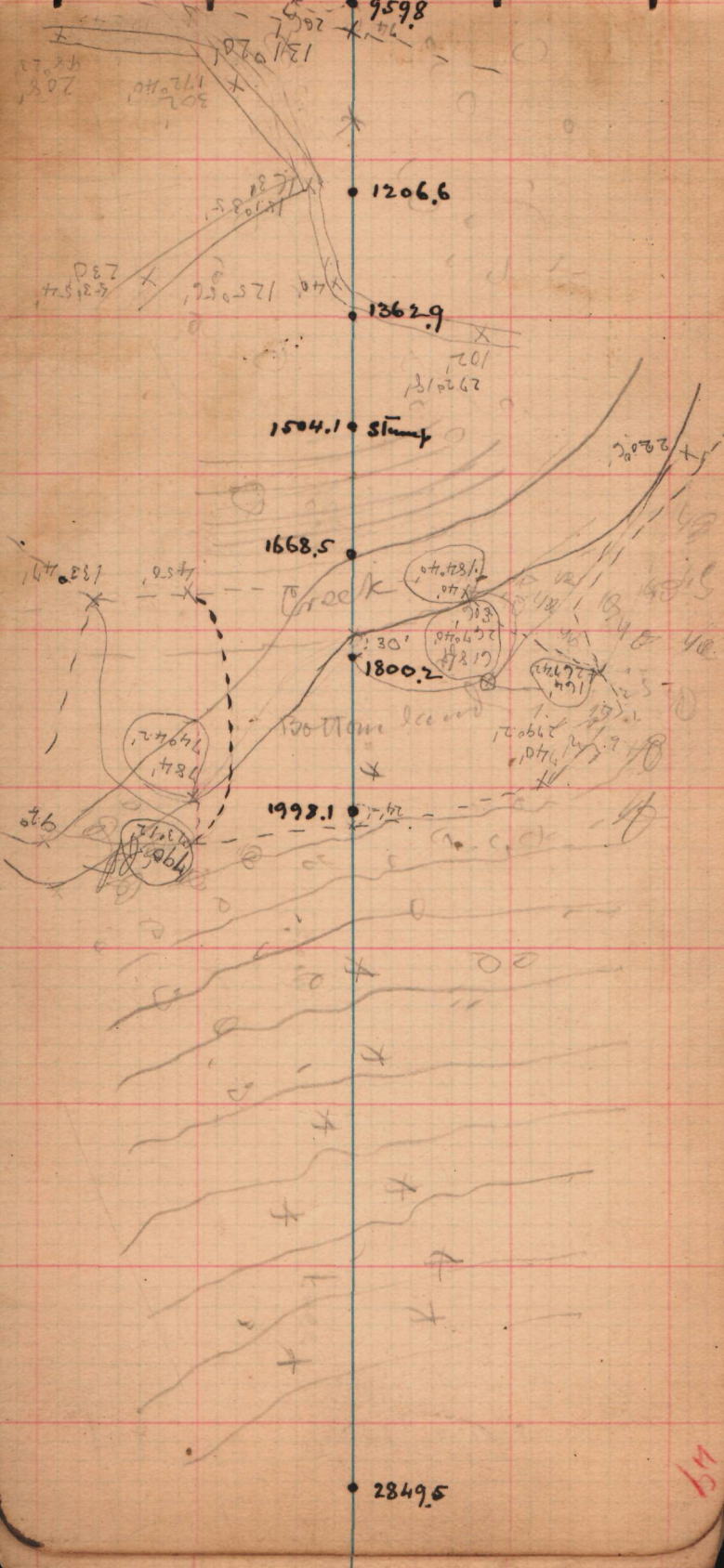
1504.1 Stump

1668.5

1800.2

1993.1

2849.5



64

Cedar Hill

Wood of Bruns

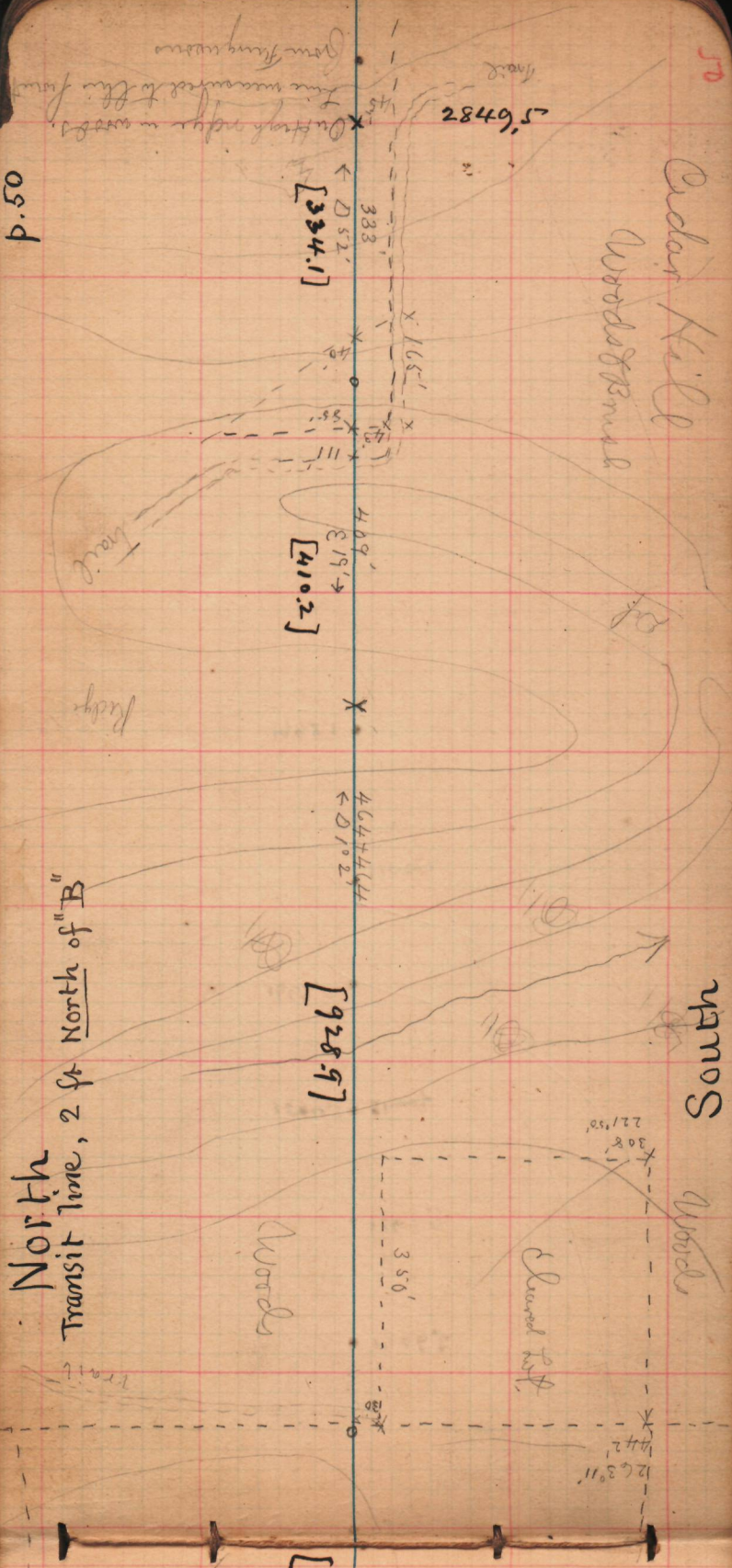
Woods

Woods

Cleared lot

North  
Transit line, 2 ft North of "B"

p. 50



[334.1]

[410.2]

[928.97]

1263.11

1442

308

22/50

333

409

464

350

2849.5

Woods

Ridge

Trail

From triangulation

This measured to the point

Trail



[329.6]

[370.1]

[1039.3]

[320.1] 618  
7013

81 1/2 miles 8.4725

MP. 19  
61.1 PM

1039.2

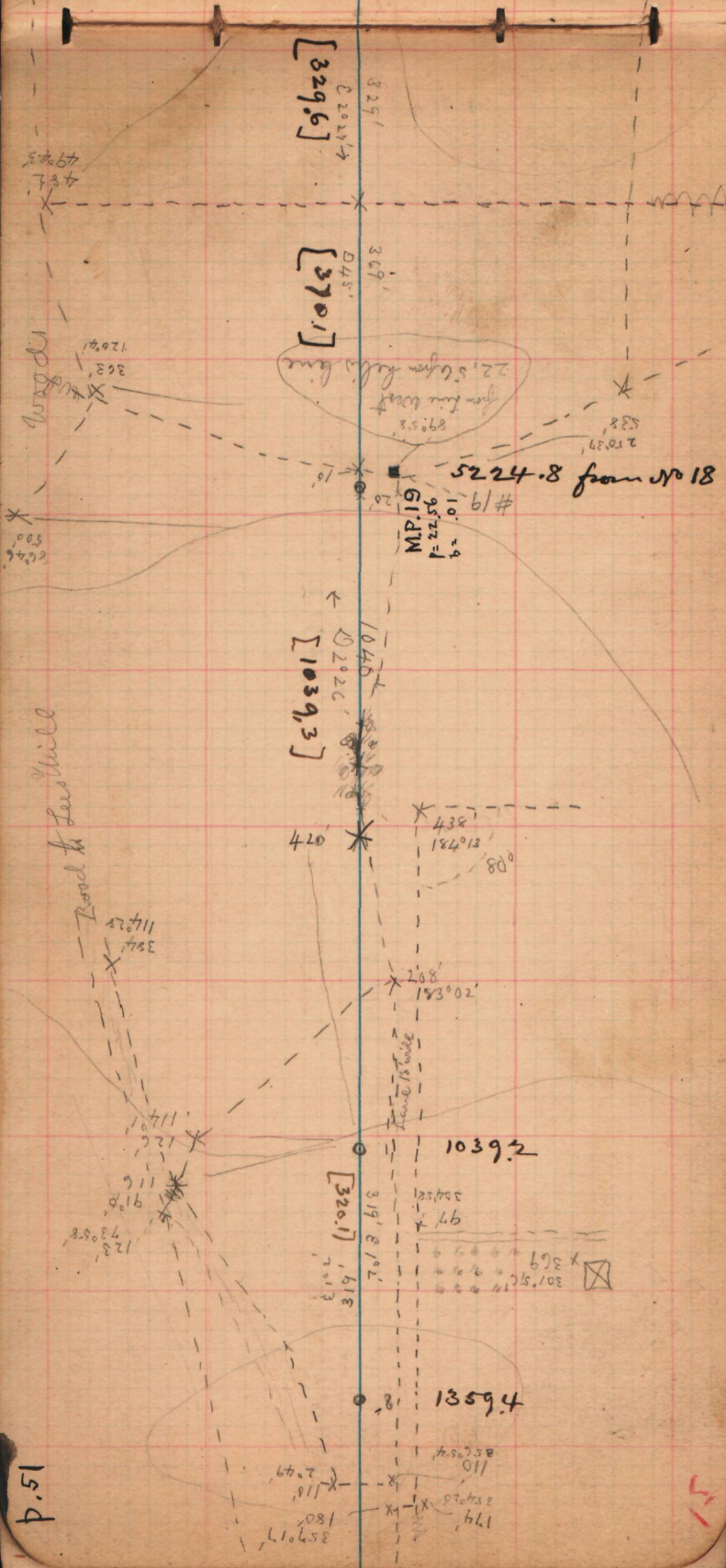
1359.4

22.5' from pole line  
from line west  
89° 58'

Road to Lewis Hill

woods

P. 51



47.7  
49.2

120° 21'  
368'

270° 37'  
538'

500  
464

10° 29'  
95.72 = 1

104° 20'  
1040'

438'  
184° 12'  
80°

268'  
183° 02'

324'  
117° 25'

117° 0'  
126'  
116'  
91° 0'  
128'  
73° 05' 8"

125/52  
304/52  
97'

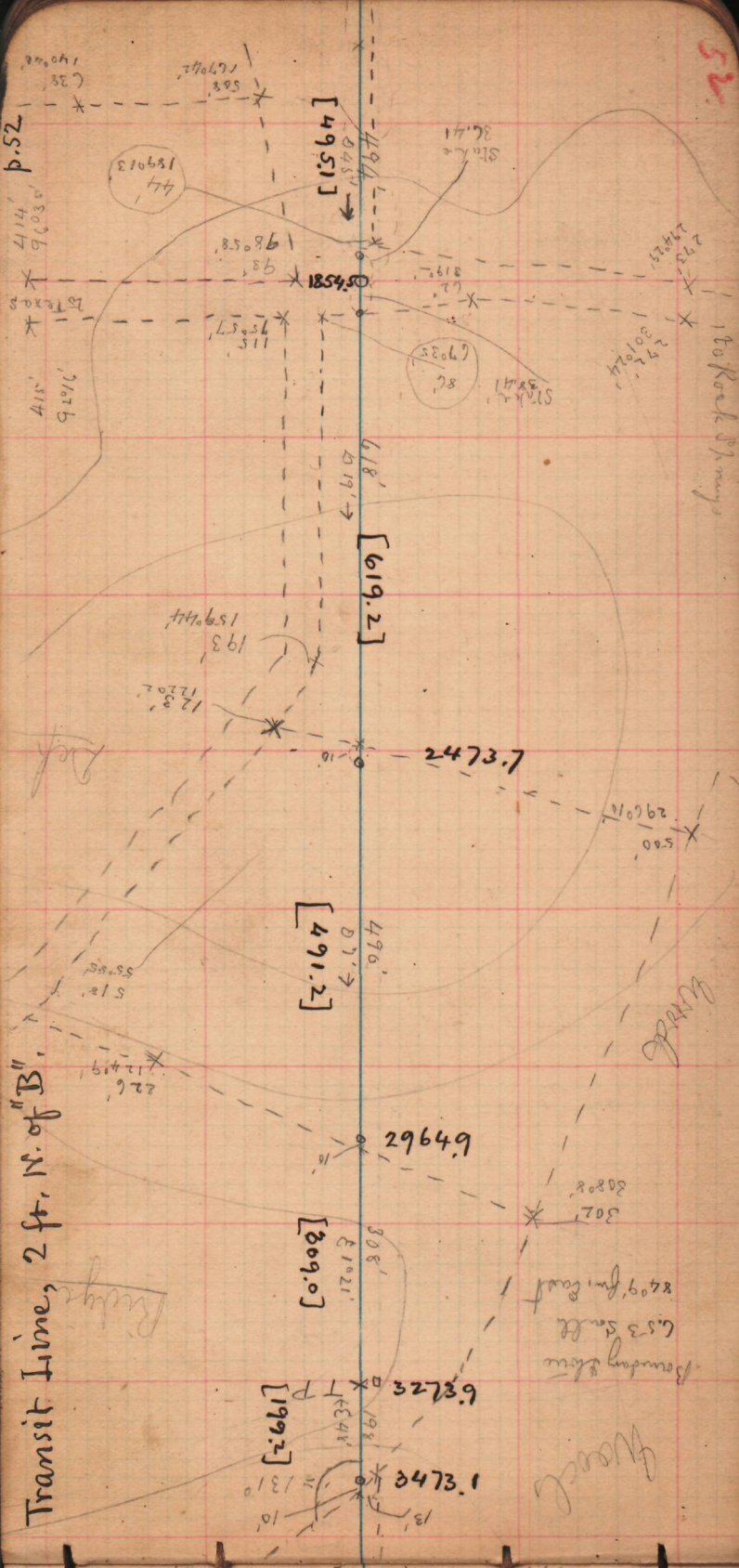
x 369  
301.5°

357° 17'  
180'  
116'  
2.49

174'  
250/52  
110  
85.554'

51

Transit Line, 2 ft. N. of "B".



North

South

454'  
D 55'  
[455.1]

X T F 39282

330'  
D 105'  
[330.8]

4259.0

D 40'  
[22.2]

4381.2

411'  
D 15'  
[412.2]

4764

350'  
D 35'  
[331.2]

51246

330'  
D 55'  
[331.1]

MP20

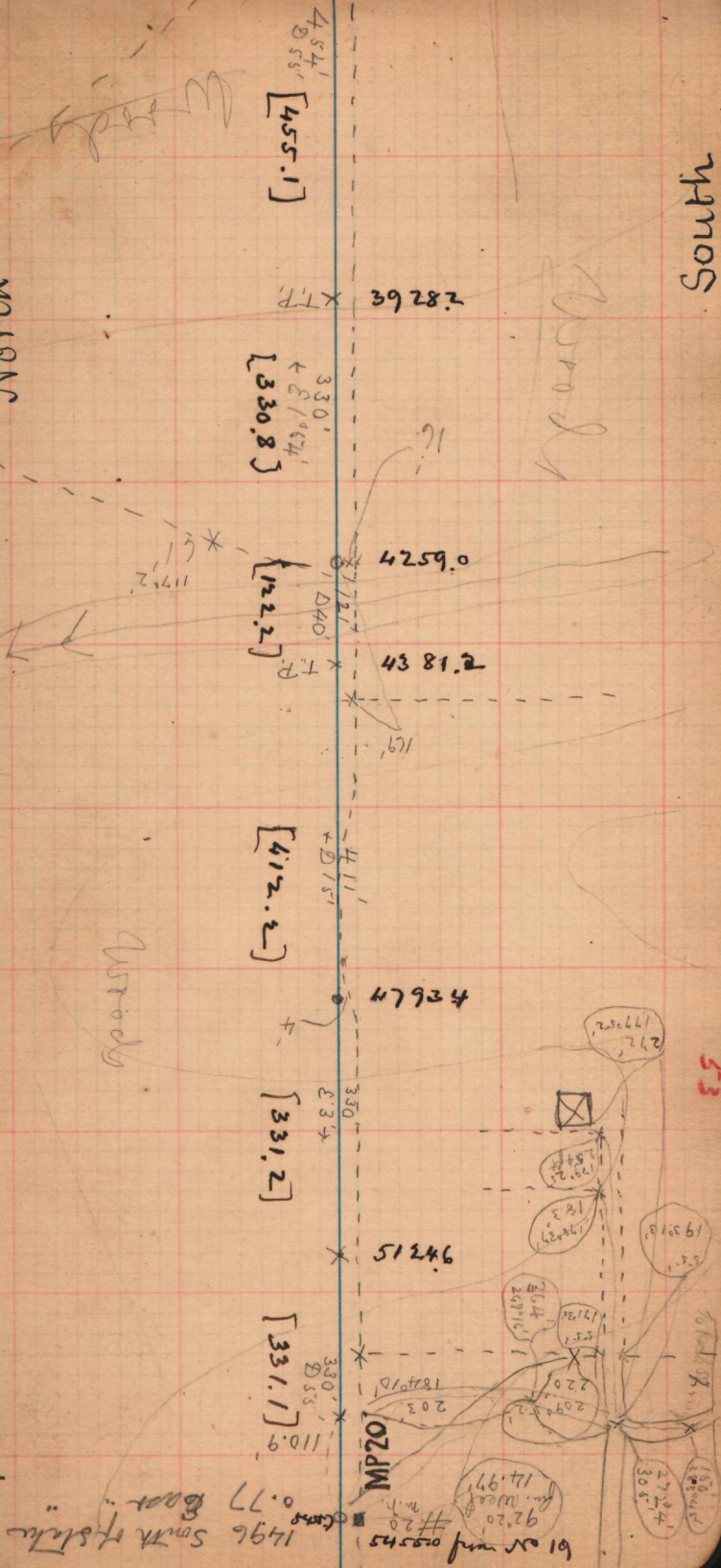
P. 53

61 or mp 05575  
#20  
92.20  
14.97  
1496 South of State  
0.77 East

Wood

Wood

53



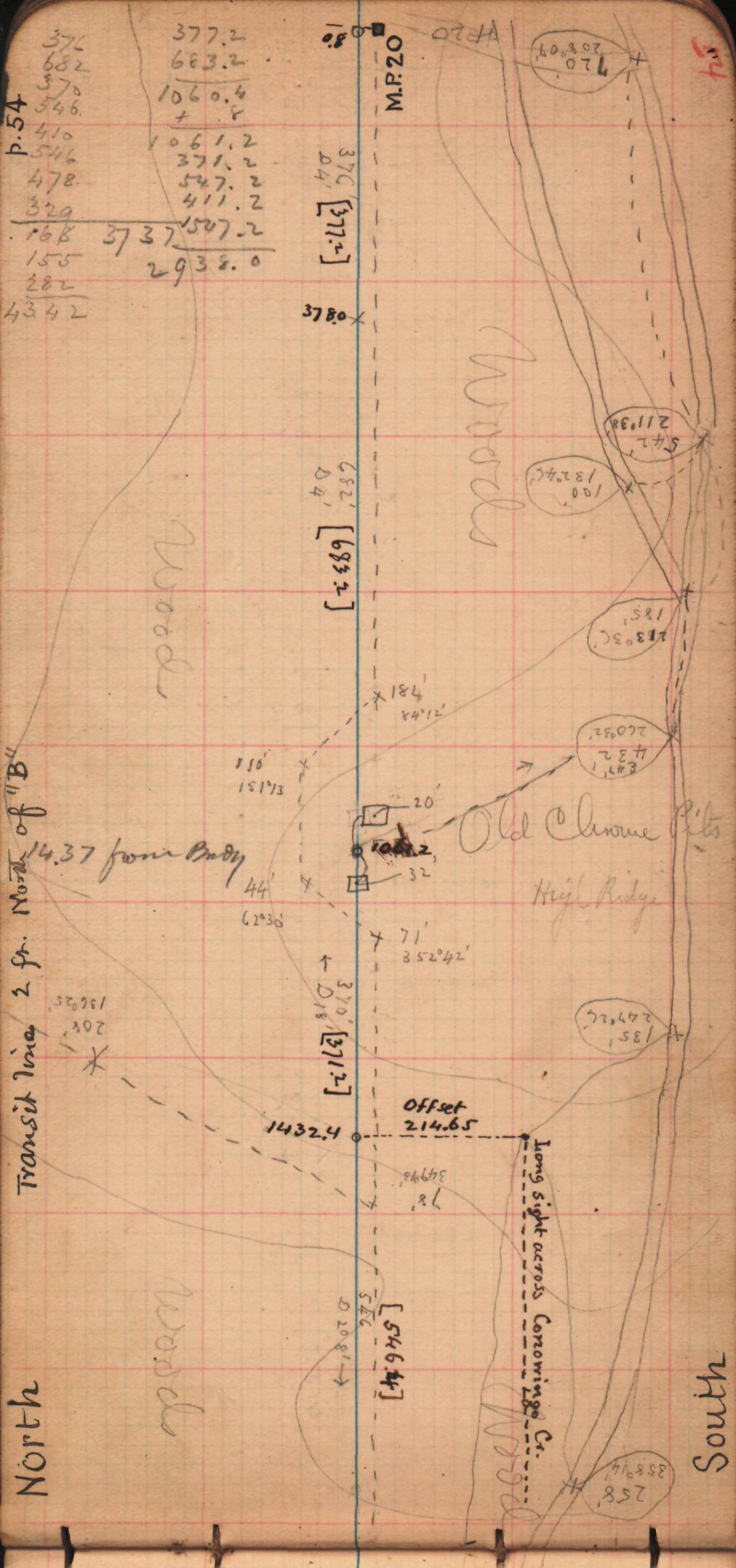
P. 54  
 376  
 682  
 370  
 546  
 410  
 546  
 478  
 320  
 168  
 155  
 282  
 4342

377.2  
 683.2  
 1060.4  
 + .8  
 1061.2  
 371.2  
 547.2  
 411.2  
 1507.2  
 2938.0

Transit line 2 fr. North of "B"  
 14.37 from Body

North

South



July 11 - P.M. 3 o'clock  
in body of Broad Branch  
Hedden one 15 ft. N. of spring  
& 30.6 ft. S.E. of fence cor.

Magli  
10704  
390  
144  
9844

4788 ft. Road to K.T.T.

1330 ft. Pondy 2933.9

4788 ft. Road to K.T.T.

46174  
[5415]

[5446]

[4792]

[3296]

Mag. of road 86.28 m. circle

Line 10 ft. S. of B

Transit 3742.5

1978.8

1144  
17

2020

279.51  
164

July 11 - P.M.  
13.81 S. of road  
+ 13 ft. S.E. of  
double oak

465 ft  
191° 48'

103 ft 121.22

106 ft 10.19  
110 ft 13.21  
97.02 ft 63.7 20.40

162  
173  
222  
206

118 ft 37.2  
152 ft 27.3  
106 ft 10.61  
191° 26' 05"

34° 45' 398 ft

07.0 p. H. 874.5

250 ft  
225° 52'

270° 22'  
247 ft

3442.9

292  
292

P. 56

9.6  
 3737.  
 168.2  
 147.4  
 283.2  
 272.2  
 191.2  
 407.6  
 71.2  
 5287.6

25

[1689]  
 Transit Line 10ft S. of "B"  
 3742.5

3910.7

[1474]

1850.1

[2830]

4341.1

[2722]

4613.3

[1912]

5408.5

4091

[407.6]

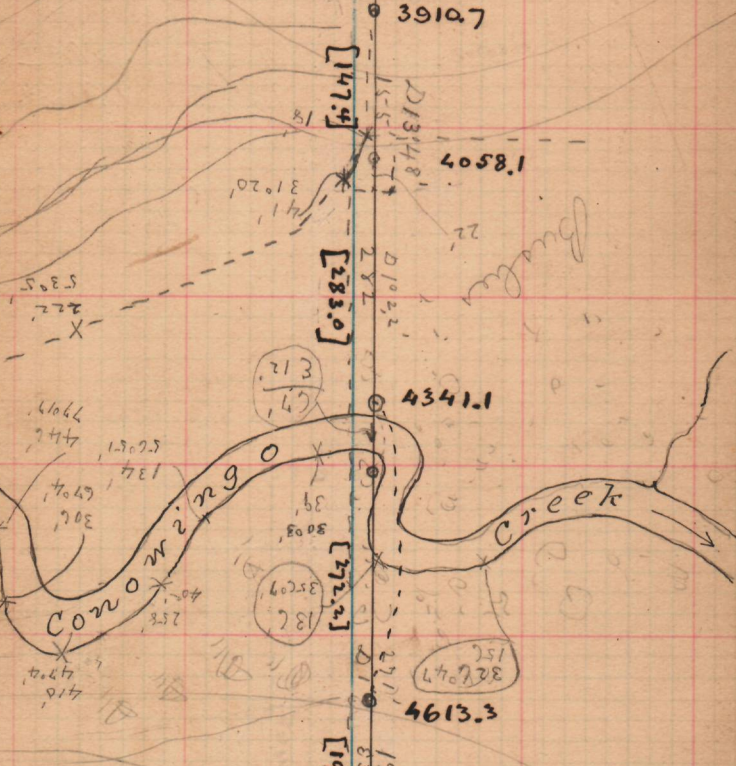
5283.3

[713]

5284.6 from N 20

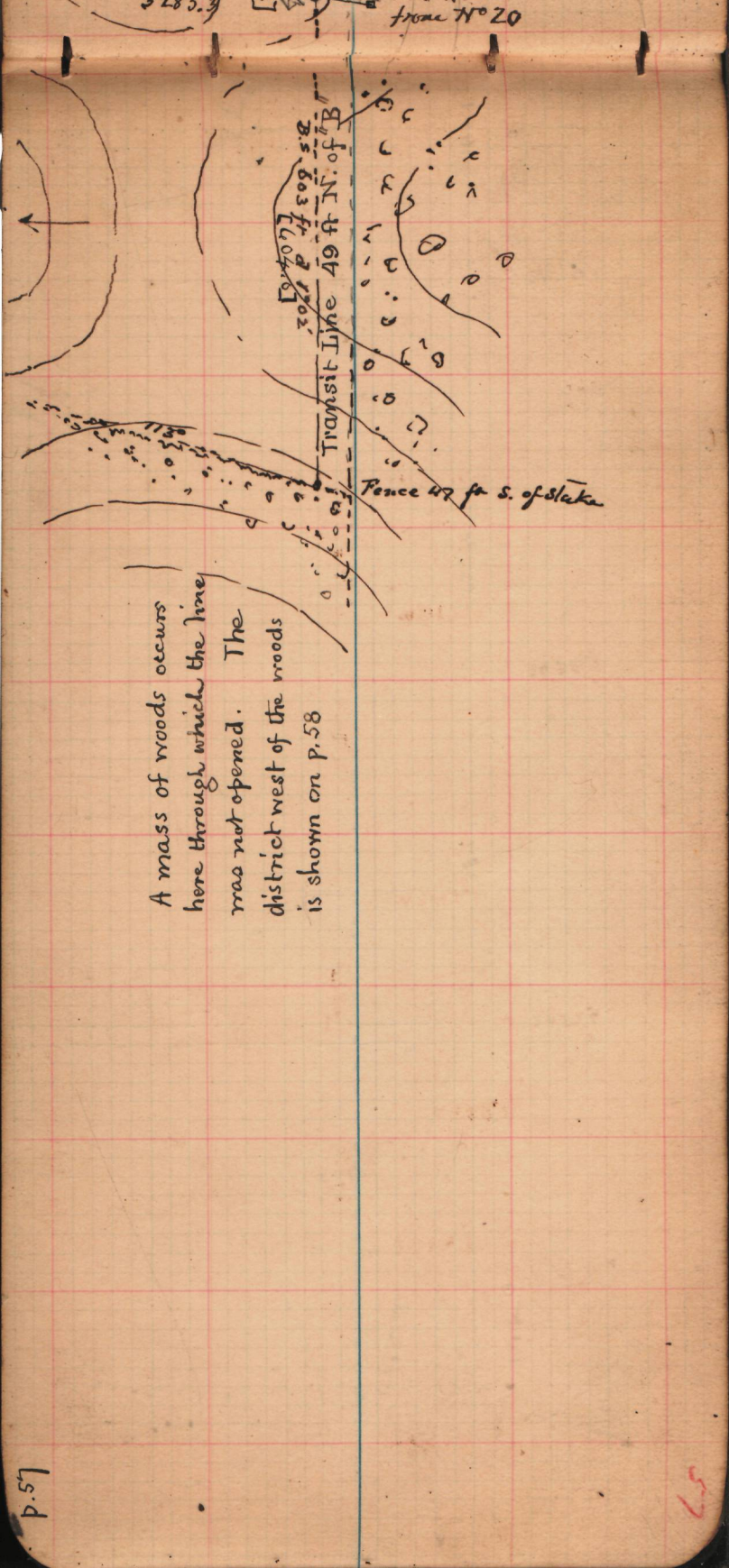
North

South

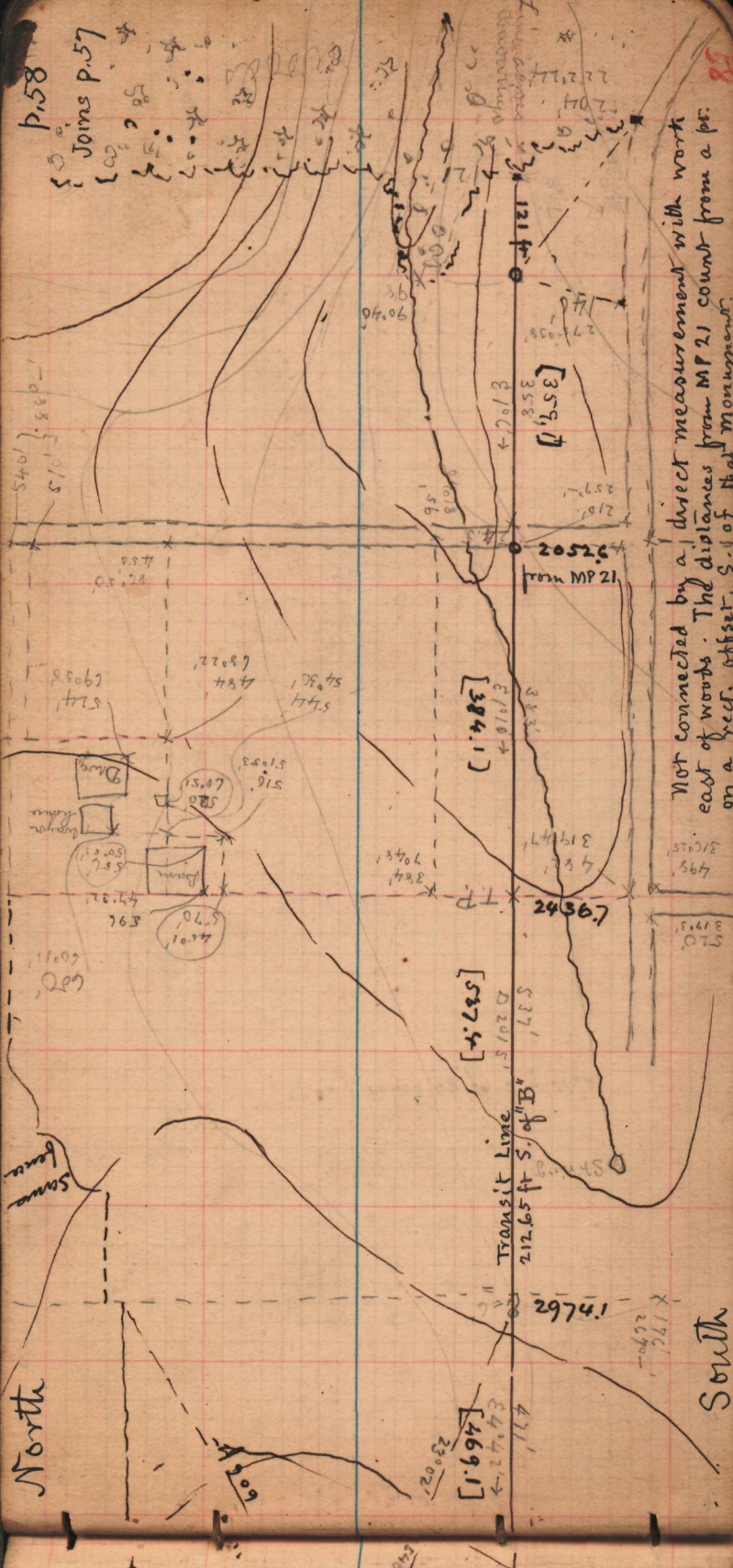


1.27 near 4 stave  
 11.97 from N.E. line  
 47  
 58.97 Road offset  
 158.99 H.N. Road  
 Avg = 9.114 Jim East  
 Slope = D. 1100  
 D. 60.09 ft  
 #21 m. h.  
 02 N roof

A mass of woods occurs here through which the line was not opened. The district west of the woods is shown on p. 58



p.58  
Joins p.57



Not connected by a direct measurement with work east of woods. The distances from MP 21 count from a pt. on a rect. offset, S. of that monument.

North

South



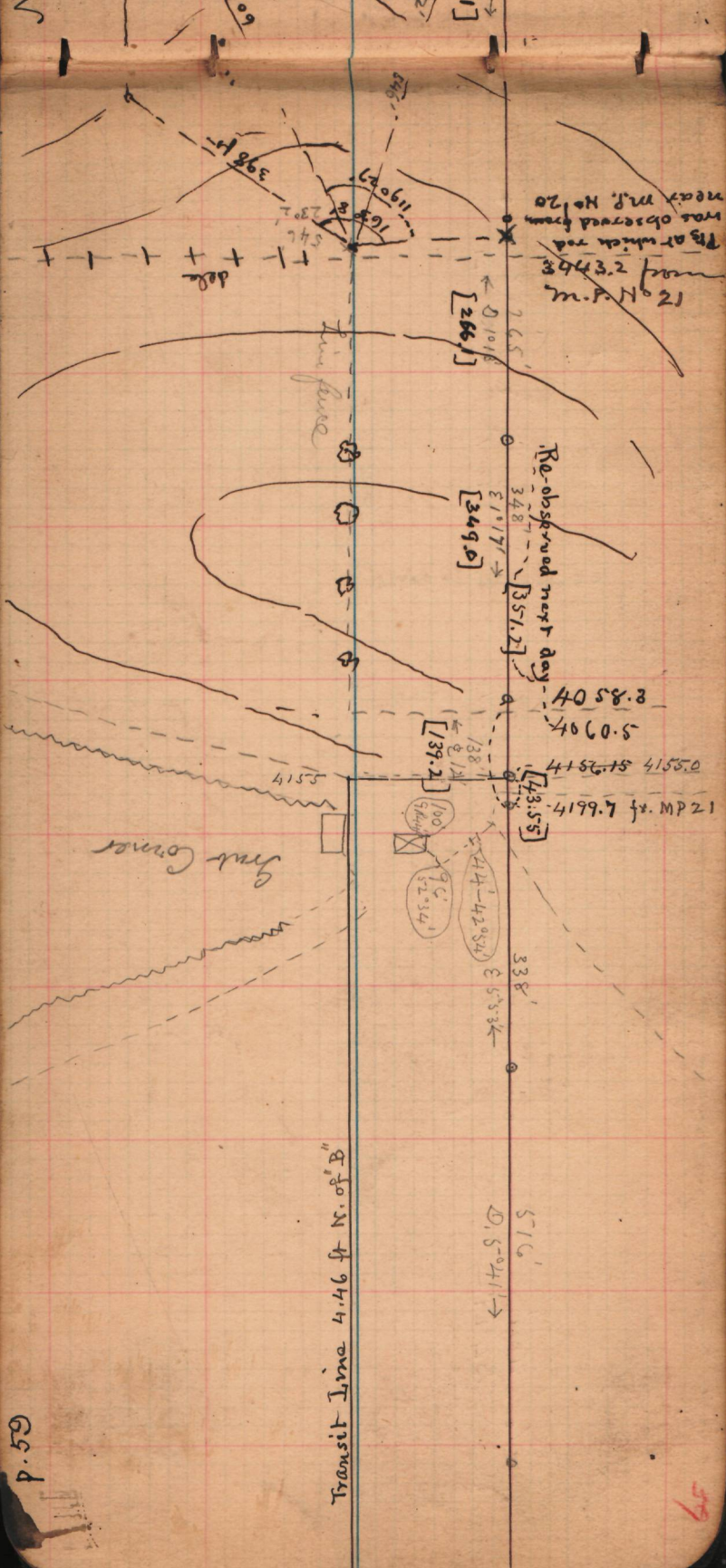


Fig. at which road was observed from near M.P. No. 20

12° N. of W.  
 [266.1]

Re-observed next day

4058.3  
 4060.5

4156.15 4155.0  
 4199.7 ft. MP 21

[43.55]

[351.2]  
 [349.0]

[139.2]

Transit Line 4.46 ft N. of B''

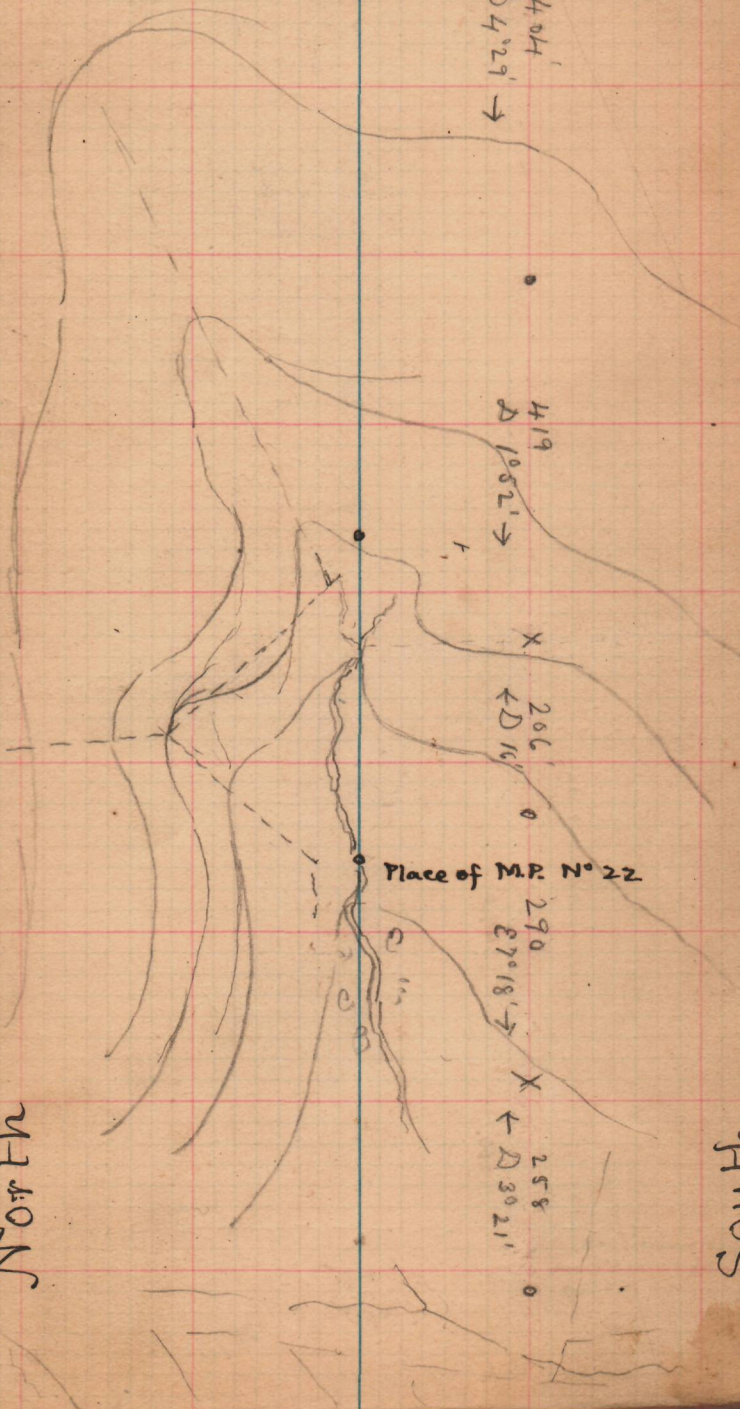
First Corner

dole

Iron fence

North

South



Place of M.P. N° 22

404'  
B4°29' →

419'  
Δ 1°52' →

206'  
← D 16'

290'  
E 7°18' →

258'  
← Δ 30°21'

450 ft  
228'

River

450 ft  
117° 28'

Ripe field

offset 37' N. 6522.0 ft from M.P. 2-1

188 ft  
347.5' d. 304°  
F.S. [247.4]

Shanty

State 6" x 1" of old map etc

127 ft  
127.3  
335.0 38'

15 141 ft  
F.S. 166.5  
d. 130° 30'  
[141.0]

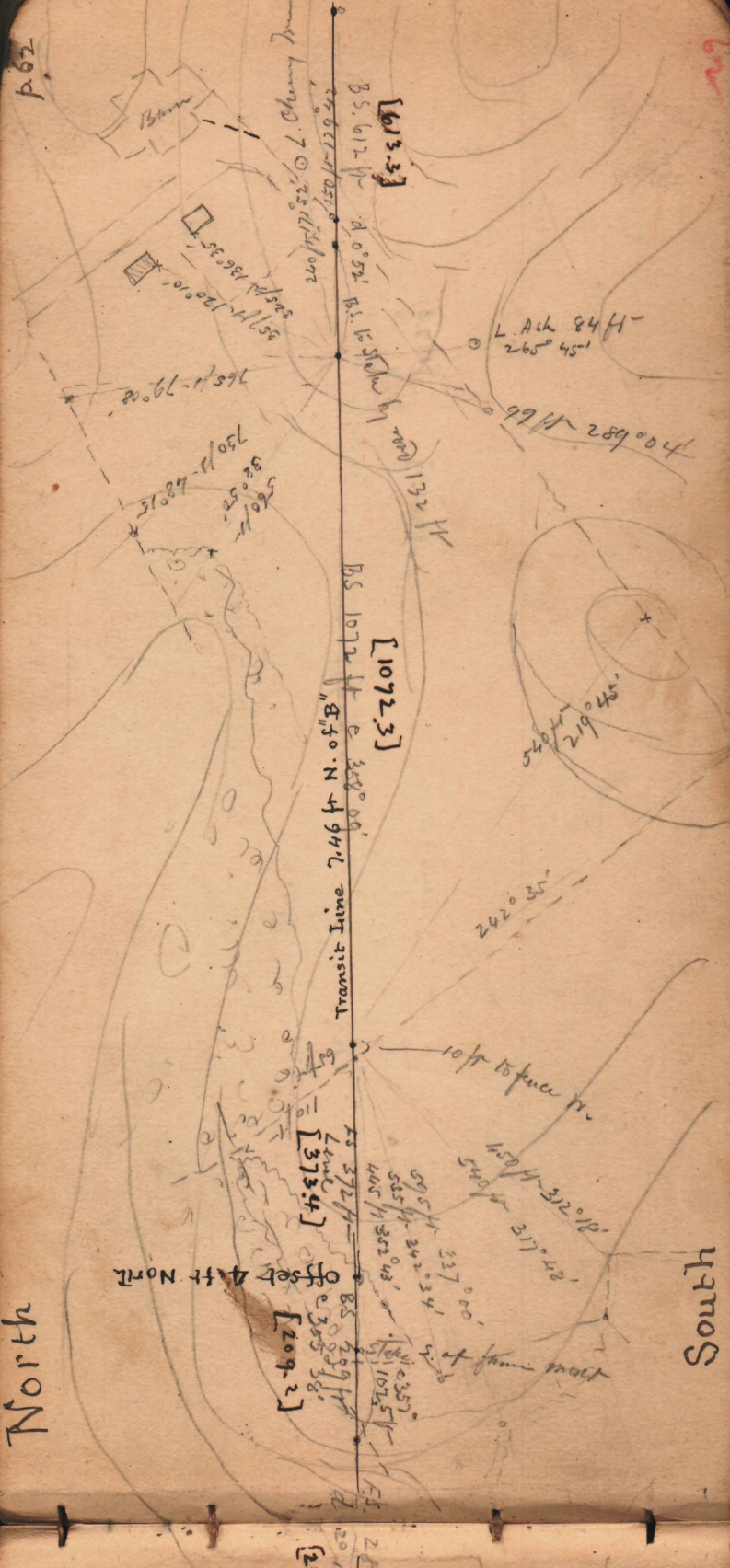
100 ft  
B.S. 305.5  
d. 100° 18'  
[297.1]

187 ft  
B.S. 272.5  
d. 90° 51'  
[265.9]

250 ft  
B.S. 186.5 ft  
d. 10° 04'  
[187.8]

Transit Line 7.46 ft N. of "B"

562 ft  
55.111  
19.6  
326 ft  
317 ft  
242 ft  
122 ft  
223 ft  
360 ft  
547 ft  
665 ft  
3202 ft  
24.57  
27.32  
20.57  
20.09  
15.04  
16.04  
29.19  
258 ft  
36.32  
220 ft  
290 ft  
348 ft  
16.04



North

South

[613.3]

[1072.3]

[373.4]

[209.2]

[289]

Offset 4 ft North

288

2010

289

14.24 W.  
0.9 E of Stake

MP 23

28 ft  
20 10'  
[289.0]  
B S 133 ft  
e 359.50'

[134.4]

MP 23-10601 ft from 21

Transit Line of  
"B" North of

To be preserved and returned  
with the original volumes.

W.C.H.

Redrawing of Blain's sketch  
in vicinity of M.P. 22

Transit Line 7.46 ft N. of "B" Line

Transit Line 212.65 ft S. of "B" Line

258 ft d 3°21' →  
[258.3]

290 ft e 7°18' ←  
[286.5]

206 ft d 16' →  
[207.2]

419 ft d 1°52' ←  
[419.8]

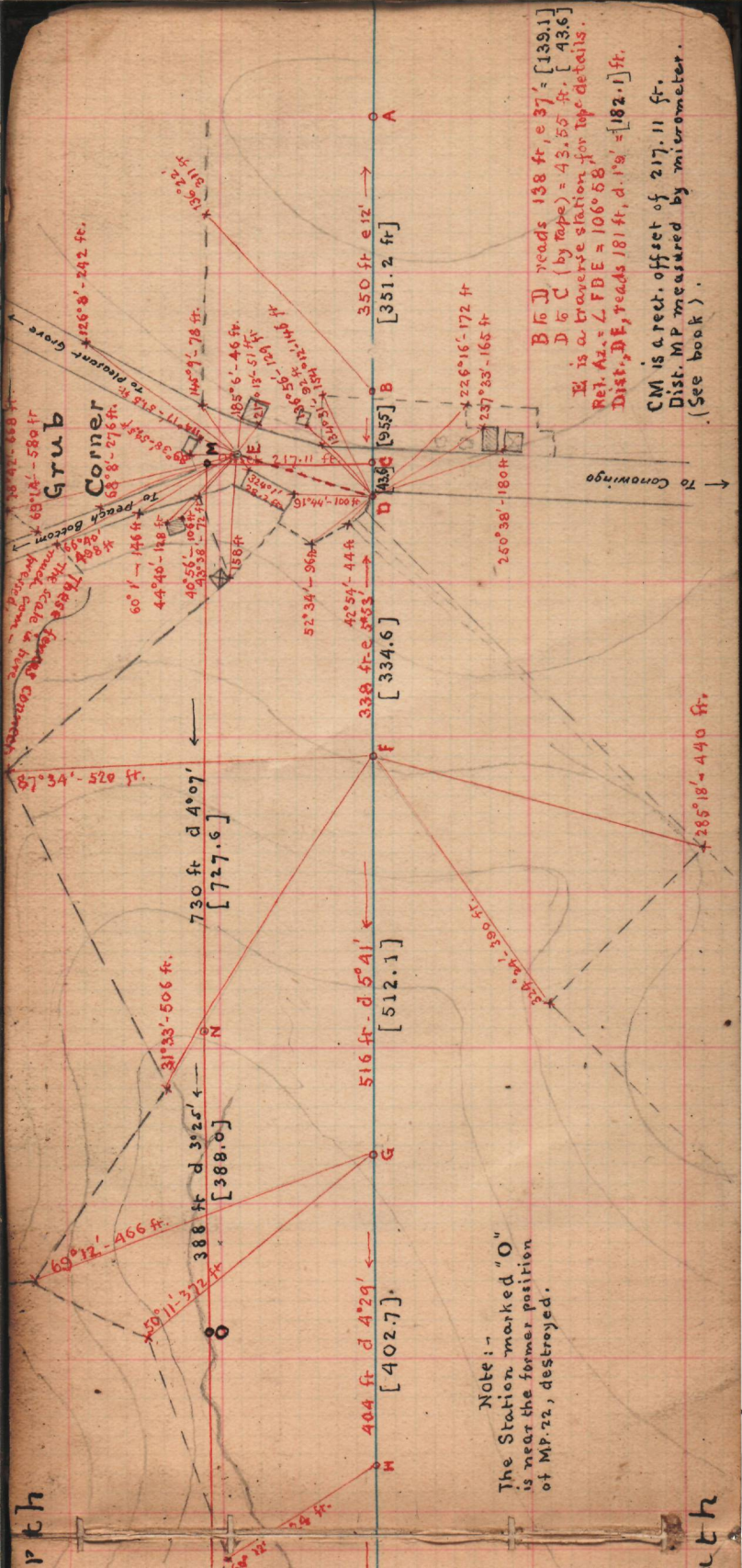
Offset 3.00 ft

Transit Line 446 ft N. of "B"



South

North



B to D reads 138 ft, e 37' = [139.1]  
 D to C (by tape) = 43.55 ft, [43.6]  
 It is a traverse station for top details.  
 Ref. Az. =  $\angle FDE = 106^\circ 58'$   
 Dist. DE, reads 181 ft, d. 1's = [182.1] ft.

CM is a rect. offset of 217.11 ft.  
 Dist. MP measured by micrometer.  
 (See book).

Note:-  
 The Station marked "O"  
 is near the former position  
 of MP. 22, destroyed.

Grub  
 Corner

To Peach Bottom  
 To Present Grove

To Conowingo

Path

Path



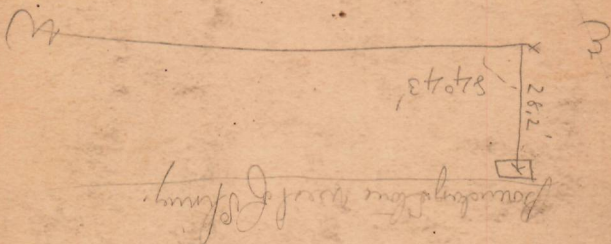
1-2 = 2.54  
2-3 = 2.62  
1-3 = 3.80

#1

#2

#19

#3



2.78  
5.56

360  
273 - 2830  
861 3738

2.78  
5.56

2.62  
2.62  
2.62

246

190  
20.34

2.16  
4.32

9.1014  
Def. 110"  
20.0098

#21

182  
3.44

830  
 33 2  
 14 1/2  
 25 2

81.83 ft  
 74 49  
 58.33

offset to S. 214.65  
 W. of No 20 34 34  
 290  
 5-8

126 00  
 100 00  
 26 00  
 4

217.11  
 214.65  
 2.46

31 495  
 61.625  
 80.90  
 43.89

July 9

offset to N. at 217.110

Pleasant Grove + Conwings Place  
 Approx No 22 is 5.4 N. of this line  
 + 3.5 W. of state run  
 At edge of woods W. of No 22 offset  
 3 ft more to N.

at edge of next woods W. of Haines field  
 offset 4 ft more and run to state S.  
 of mile post 23 2nd which point the  
 angle from No 23 to state east = 86° 20'  
 and distance to No 23 = 14.27 ft  
 mag. North 94° 22' from E. line

Haines body S. east of No 23 is 17.0 ft  
 N. of our line.

No 23 is 0.9 east of state  
 1424 N.

351.56  
 8 02  
 50 00  
 80 00  
 4

1427  
 996  
 2373

86° 20'  
 1427

