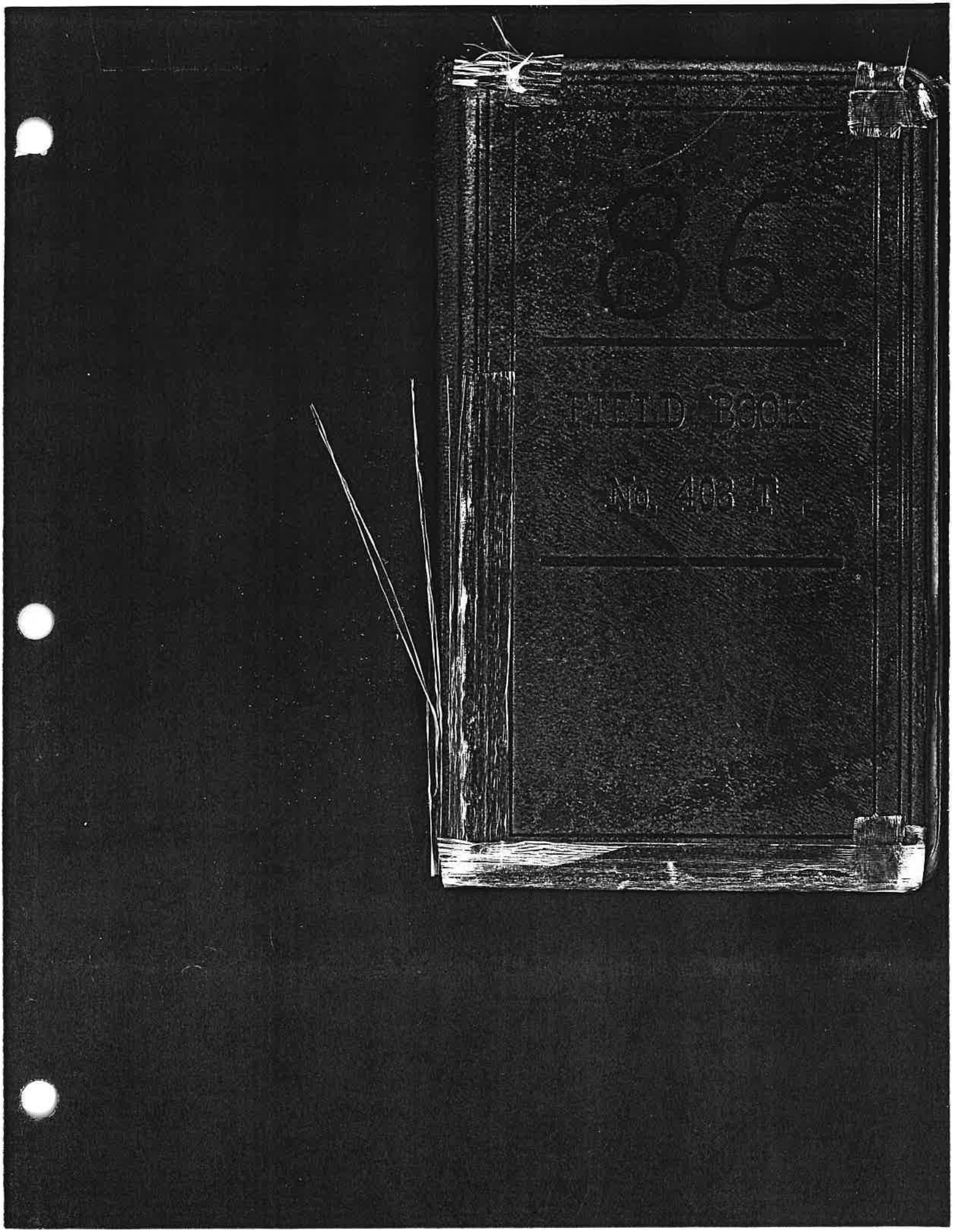
Field Book #86


FIELD BOOK
No. 4034

EUGENE DIETZGEN CO.,

Drawing Materials and Surveying Instruments.

NEW YORK. CHICAGO. SAN FRANCISCO

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

ROADWAY 20 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

"Copyright, 1902, by Eugene Dietzgen Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	
1	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	
2	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	
3	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	
4	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	
5	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	
6	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	
7	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	
8	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	
9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	
10	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	
11	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	
12	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	
13	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	
14	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	
15	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	
16	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	
17	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	
18	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	
19	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	
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26	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	
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32	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	
33	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	
34	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	
35	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	
36	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	
37	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	
38	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	
39	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	
40	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	

Calculated by F. E. Paradis, C. E.

471.2

Field Book #7

S.L.&W. Co.

MILHAM STATIONERY & PRINTING CO. EVERYTHING FOR THE OFFICE BUSINESS SYSTEMS PORTLAND, OREGON

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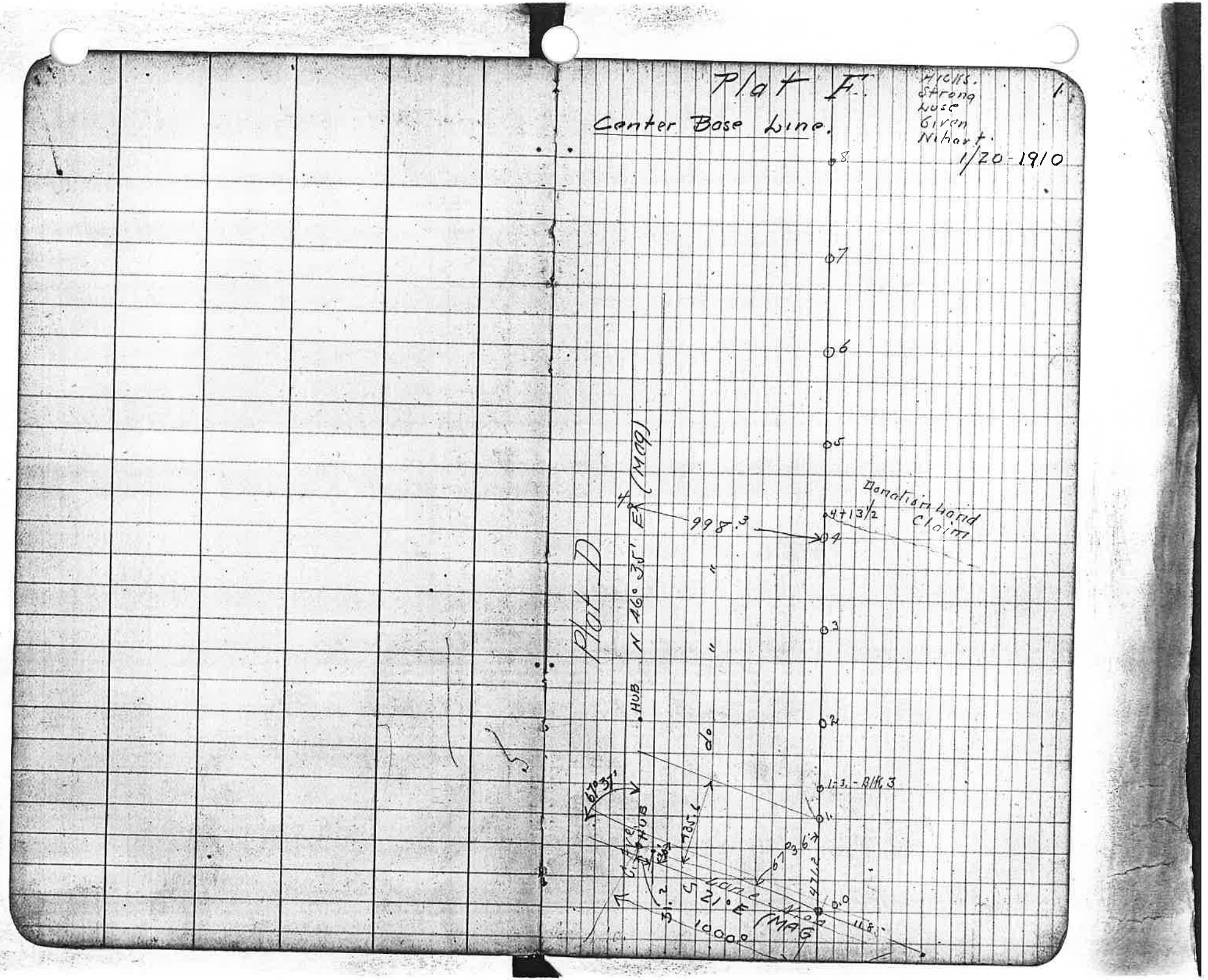
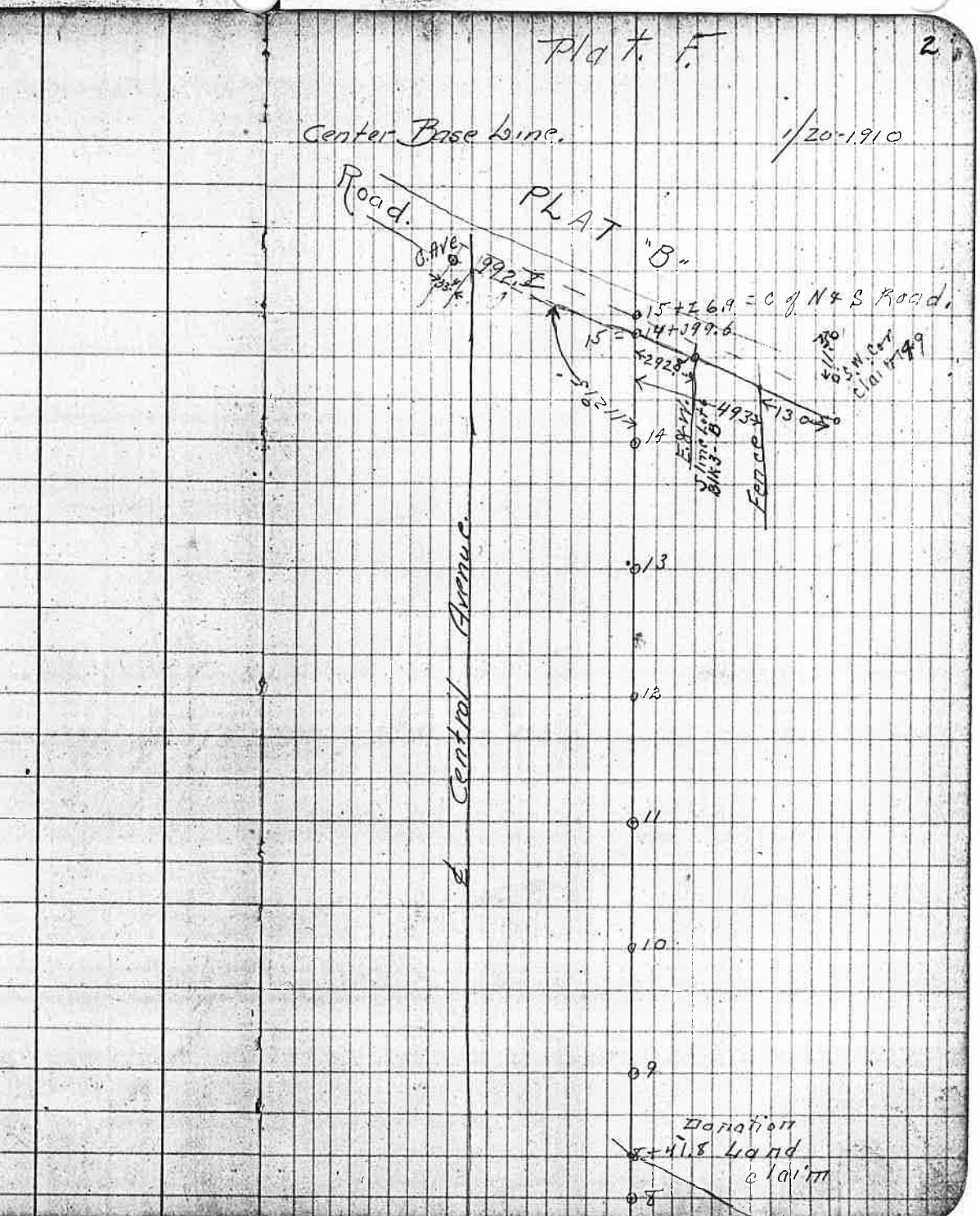

Plat F.
Center Base Line.
Higgs. Strong Rose Given Nihart. 1/20-1910
Plat D
HUB
N 46° 35' E (MAG)
998.3
Damaliam Lard Claim
4+13 1/2
1.3. - Blk 3
67° 35'
S 71° E (MAG)
1000.0
11.8.

Plat F.

1/20-1910



Center Base line.

1/20-1910

Sta - 15

70°

621.4

CL #43

CL #49

11.22. call 11.3

CL #38

15

70

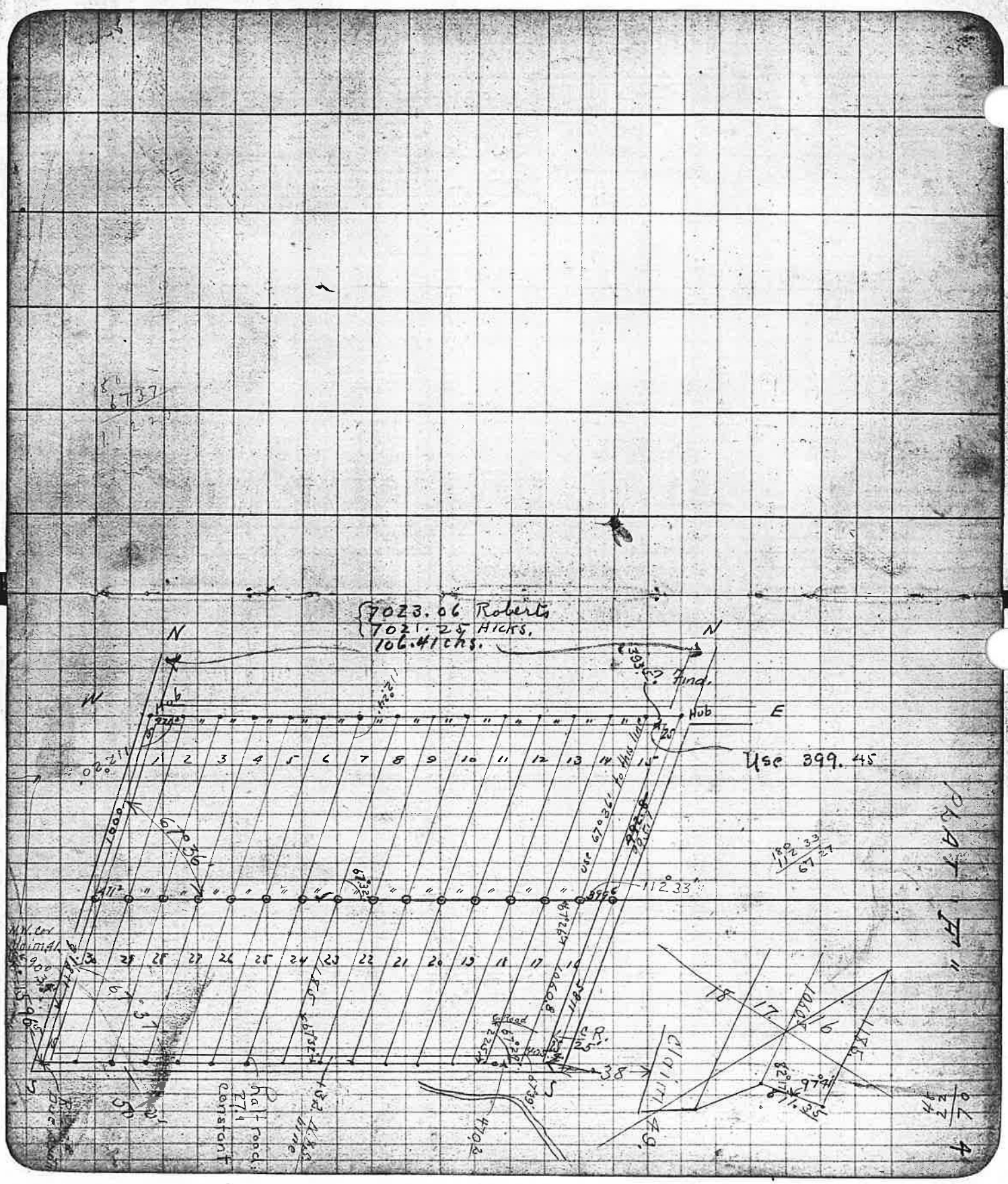
140

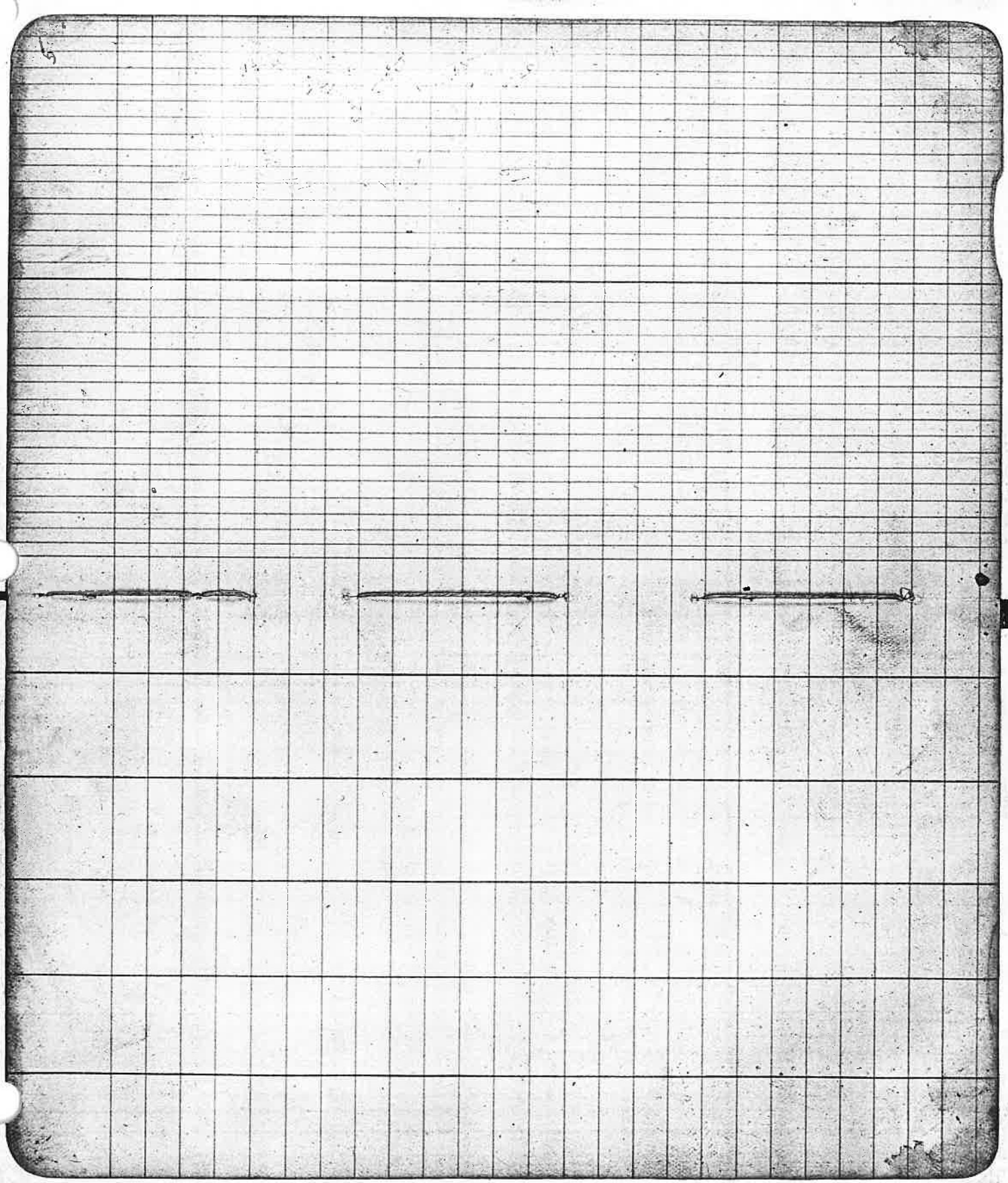
621.4

118.7

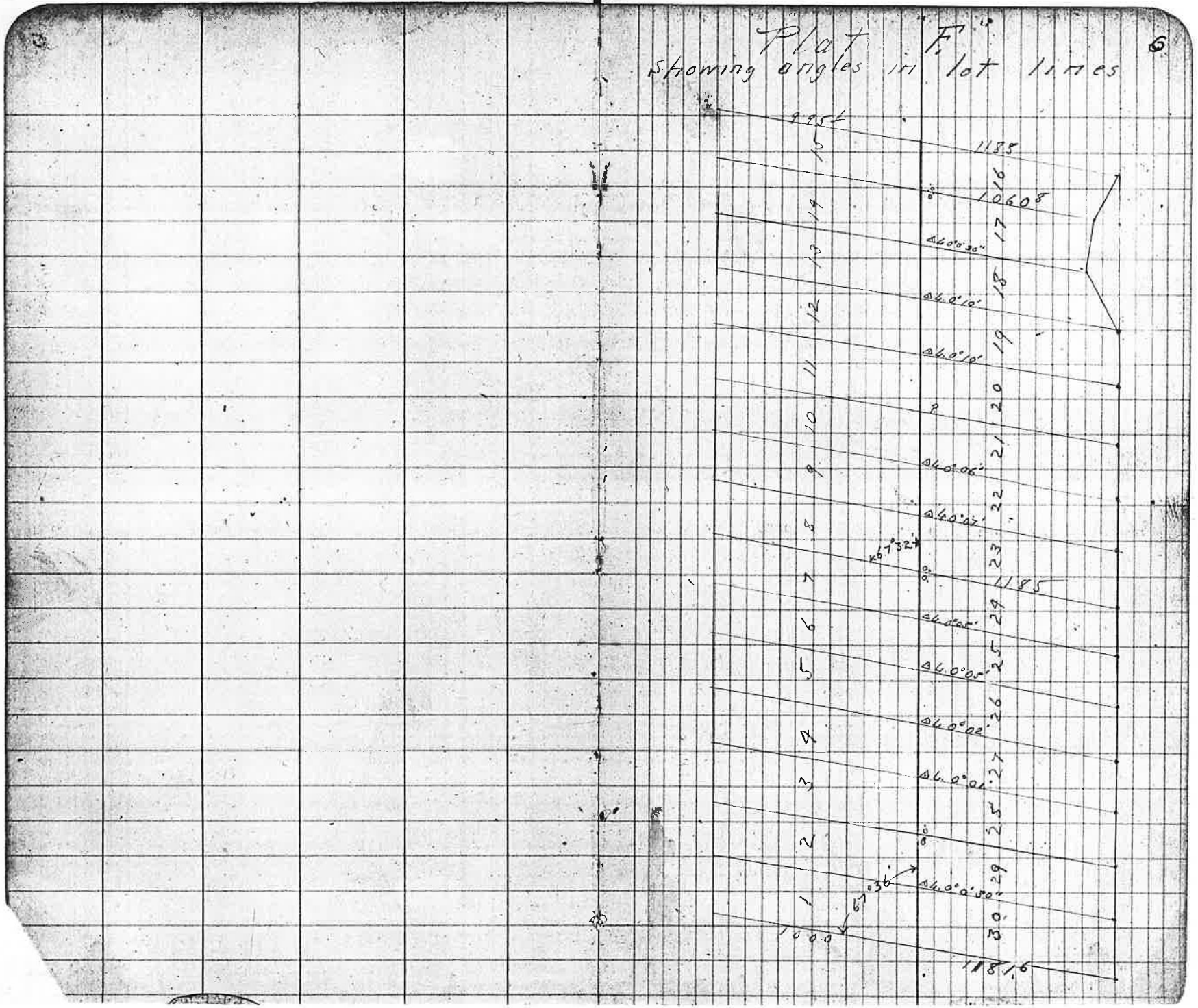
S.W. Cor. Circuit No. 49.

H.08

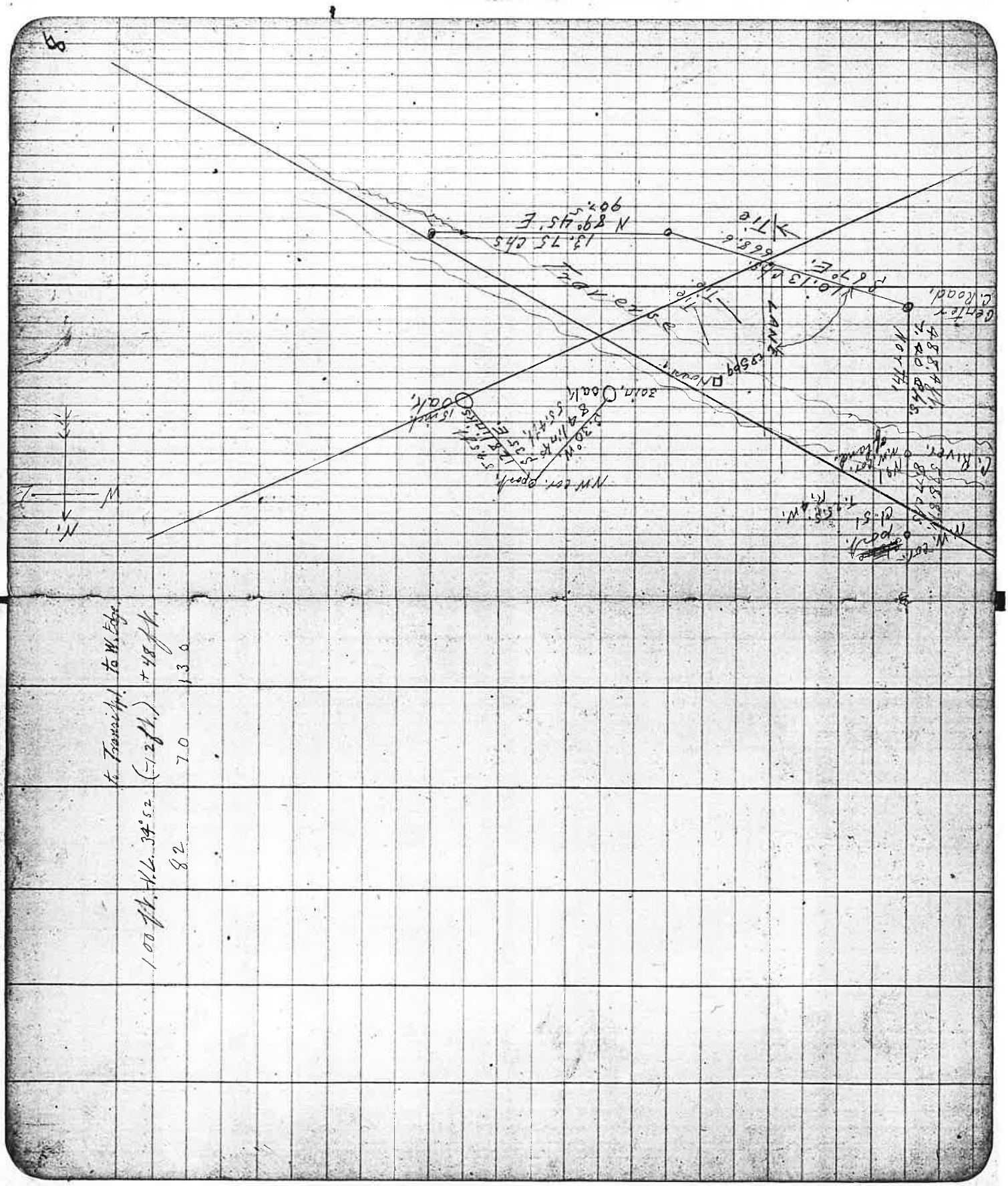

7023.06 Roberts
7021.25 Hicks.
106.41 chs.
N
N
E
Hub
Use 399.45
Use 67°36' to this line
112°33'
67°36'
180°
112°33'
67°36'
Hub
Hub
Hub

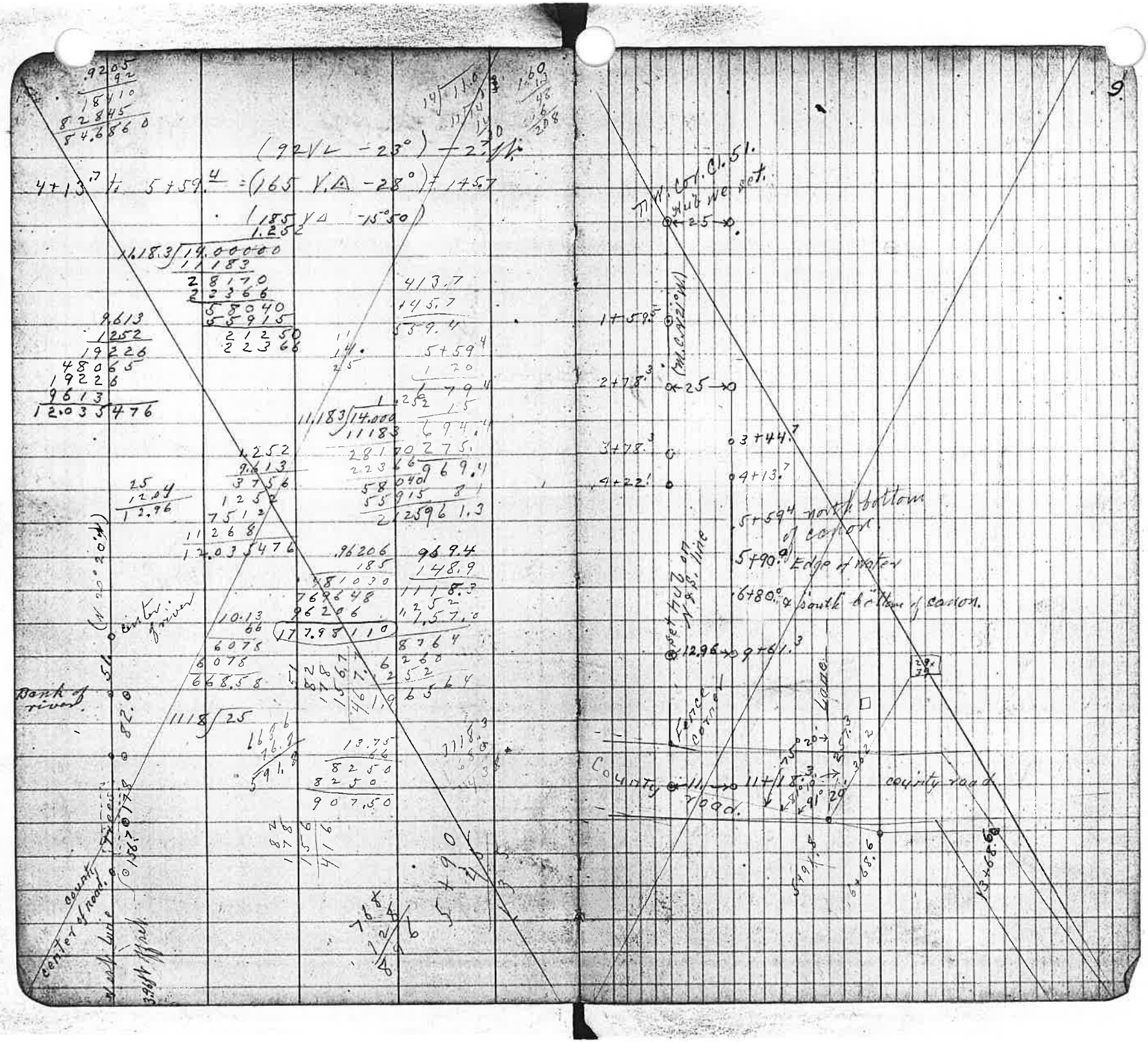


Plat showing angles in lot lines



P.S. #2
Center of
Road
N 69°20' E
(magnetic)
90°
0'


N 89° 45' E
13.75 chs
Tie
Tie
Tie
Survey
Center
C. Road
C. River
Mon'th
Dwg.
Dwg.
Dwg.

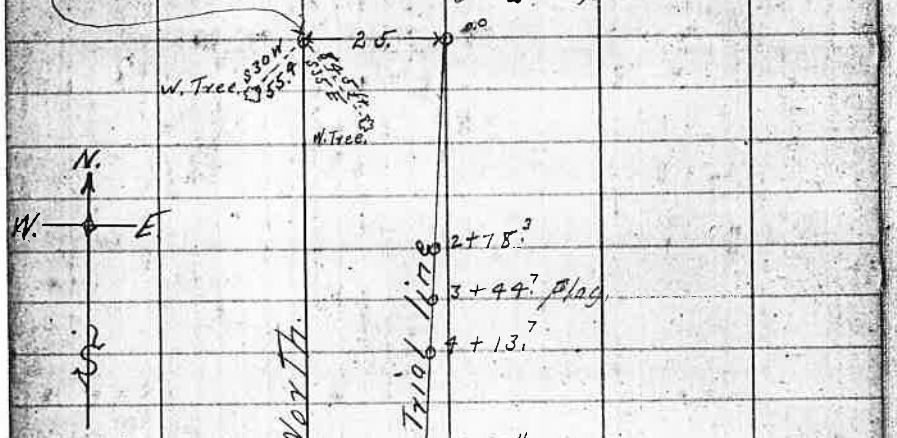

(92 V∠ -23°) + 2 1/2
4+13.7 to 5+59.4 = (165 V∠ -28°) + 1757
(185 V∠ -15°50')
1.185
1.252
11.183 | 14.000000
11183
281770
223660
580400
559150
212500
223660
9.613
1252
19226
48065
19226
9613
12.033476
25
1204
12.96
(N 20° - 20' W)
Bank of river
county
center of road
Line
Bank of river
Line
(N 20° - 20' W)
county road
Line
(N 20° - 20' W)
Line
Bank of river
Line
(N 20° - 20' W)
Line
Bank of river
Line
(N 20° - 20' W)
Line
Bank of river

Manning Place

Claim 51 West Line

2-1-10.

N.W. Cor. Cl. 51. We set large hub, from W. Trees.

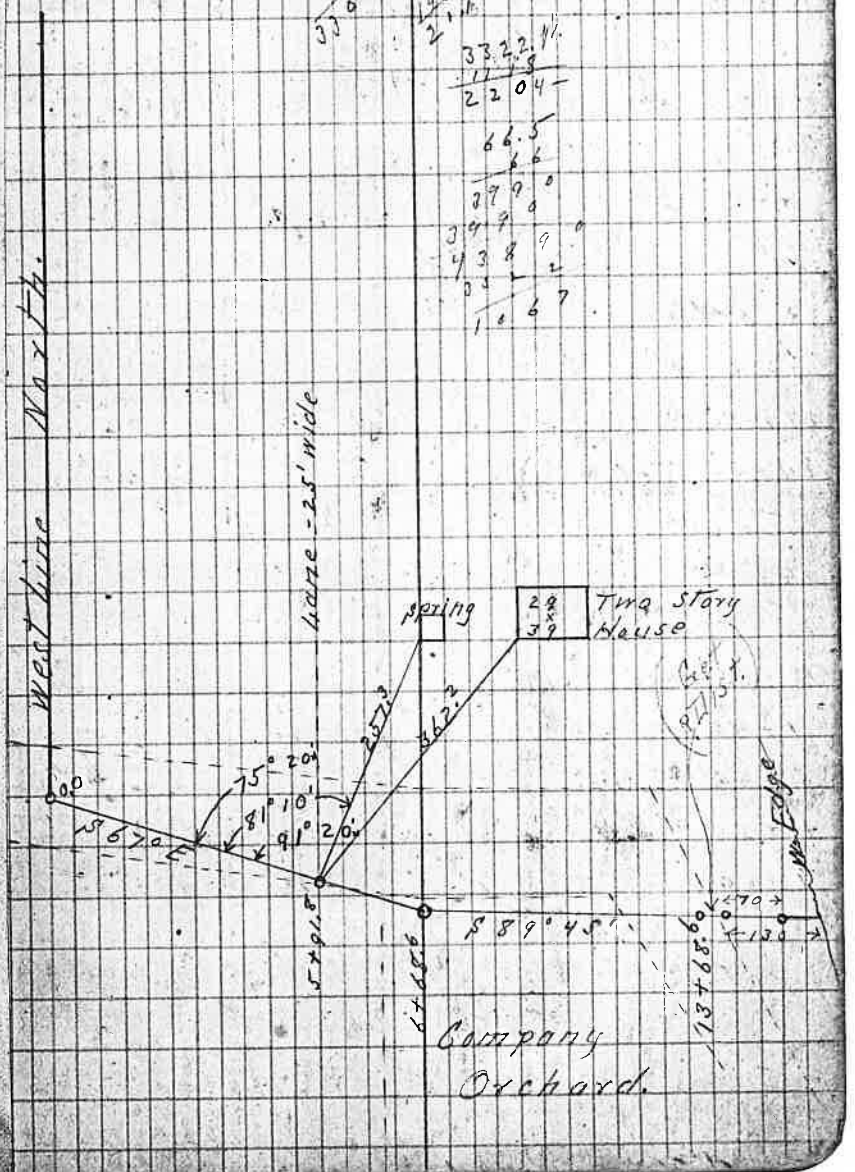


Manning Place. 10

Claim 51 South Line

2-2-10

Strong. Given. Ralph Nihart.



West through Sec. 8. Cl. 837.

N. 6.20 Chs. to ¼ sec. 17 & 18 - east 60. chs., north 20. chs. - west 40. chs. - north 60. chs., - east 60. chs to ¼ 8-9.

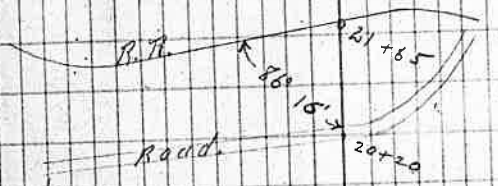
32 chs. east of R.R. 11 - 849. 8 chs. W. of R.R. to center of S.

Sta.		∠	∠ R.	
37+90.5				
36+13.				
33+35.9 ⊙				
28+50 ⊙	183.3			
27+78.6 ⊙				
21+58.4 = 21+65.° c. of R.R.				
20+20 wagon road.				
15+54.6	683.1			
14+74.7		1° 50'		S 89° 55' W
13+44.9 ⊙	538.6			
11+25.3 ⊙				
9+36'			1° 59'	N 89° 05' W
6+46 ⊙	290'	0° 03'		S 58° 56'
4+77.7.0	248.1			
3+97.9		1° 01'		S 88° 59' W
	246.6			
1+51.3 ⊙				West
	151.3			
¼ 8-9.		West, no Variation of .21°		

PRELIMINARY. Plat G. 11.

2/3-1910

39+88.3 Falls 9.6 ft. North of 3960 From South
We set post 6 in. 15" Fir Blazed.
39+60. 39+60
39+25 ⊙
38+65 ⊙
13.2 ft.
10" Fir. Blazed.
S 2.6 Excess South 3.8



N 8.6
S 5.4°
S 4.4
W 151.3

Final post marked 9 trees blazed.

	1215.3				
	800				
S	506.5	3°16'	S 9° 30' W	S 9° 30' W	
S + 53.5	553.5	5°44'	S 6° 14' W	S 6° 30' W	
			S 2° 30' E		
0.0			N 1° 0' W	S 3° 45'	

$$\frac{.10436}{553.5} \qquad \frac{.99905}{553.5}$$

$$\frac{.10858}{506.5} \qquad \frac{.99409}{506.5}$$

$$\frac{.16505}{16} \qquad \frac{.98629}{16}$$

$$\frac{2641}{35}$$

$$\frac{2641}{24}$$

W 295.0 — 2641.6

W 26.4.1 — S 15 - 8.1

W 55. — S 50 3.5

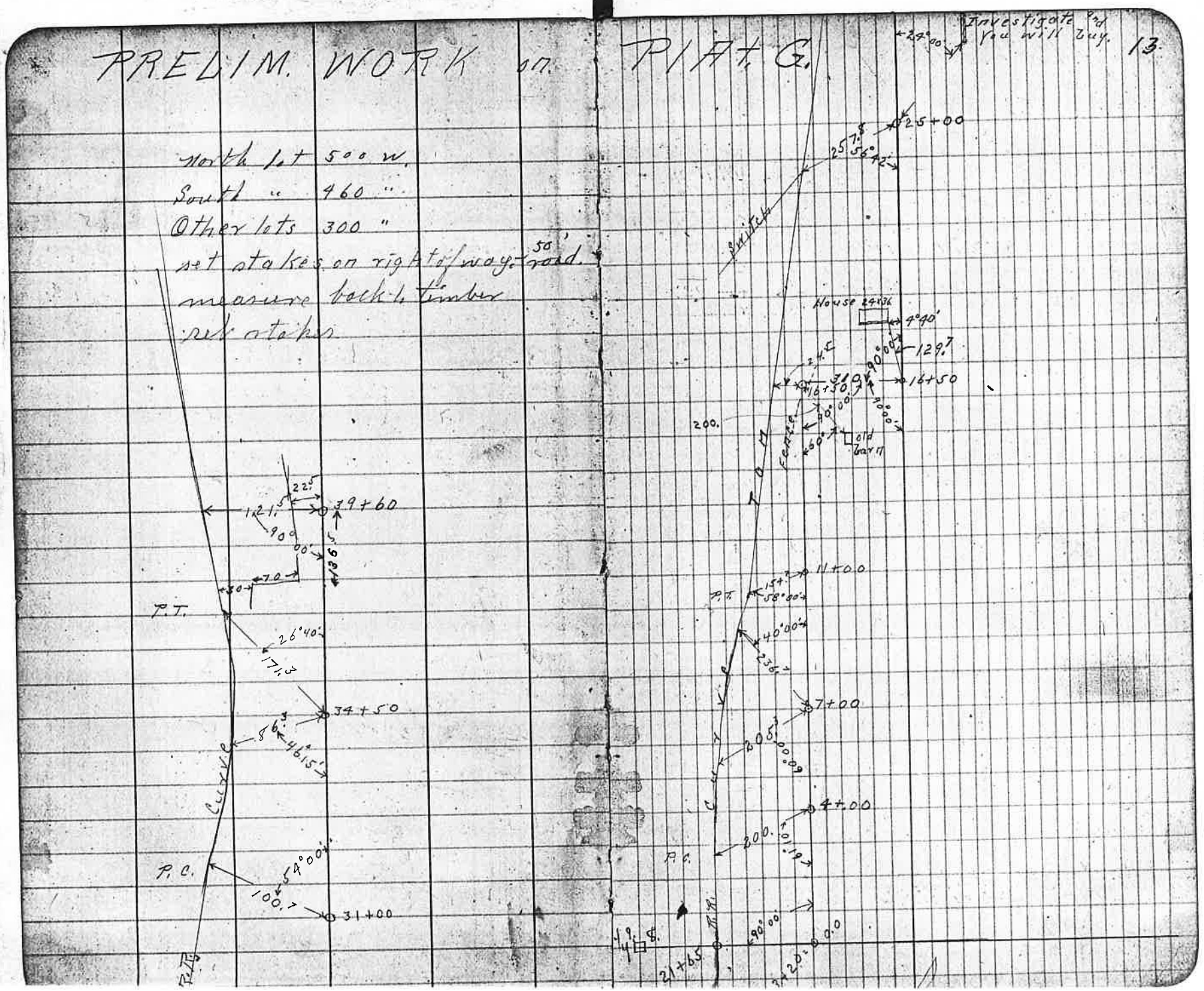
E 24.1 — S 55 3.0

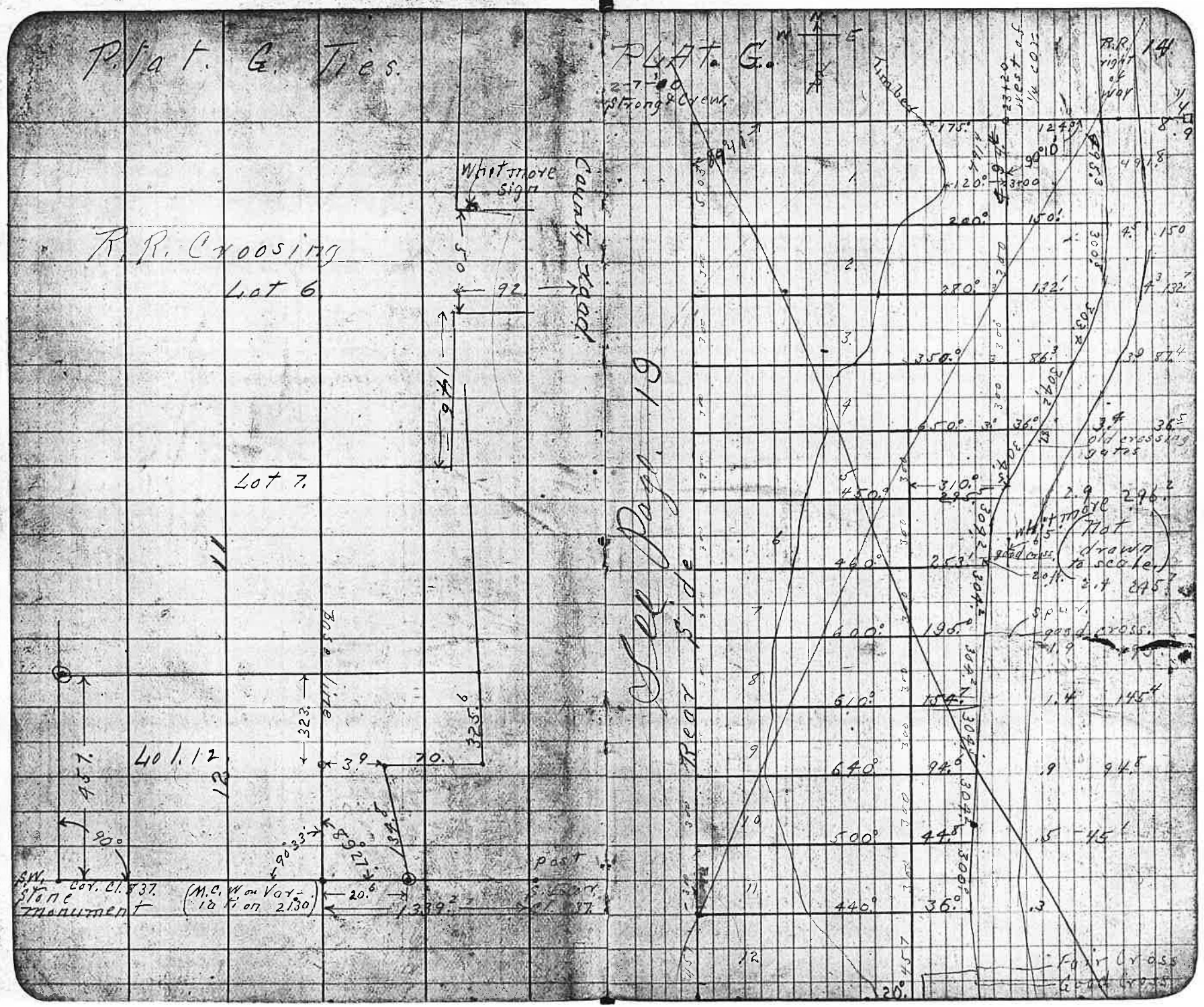
S 8° 30'

0.0

PRELIM. WORK on PIAT G.

North Lt 500 W.
South " 460 "
Other lots 300 "
set stakes on right of way. 50' road.
measure back to timber
set stakes



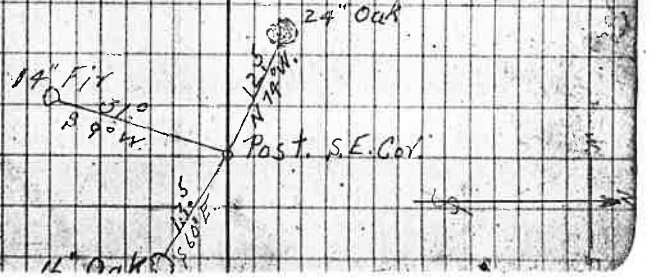

Plat G. Ties.
R. R. Crossing
Lot 6
Lot 7
Lot 12
Lot 11
Whitmore sign
County Road
Base line
S.W. Stone Monument
Cor. Cl. 837.
(M.C. W on Vor - 18 Ti on 2130)
Plat G.
Timber
Whitmore Mat
Mat drawn to scale.
Bear Valley Side
Fair Cross
Good Cross
R.R. right of way
Old Cross ties

South Boundary of R.97.

Sta.	Δ L.	Δ R.
Monument of stones		
26+72 = S.W. Cor.		
25+51.5		
22+83.		
21+85.7		
20+90.3		
19+31.4		
18+13		
17+07.7		
15+39.		
13+57.3 = 1359.5		
13+37.2 = 39+57 on Base line		
12+16.2 Center R.R.		
9+79.4		
7+53.3		
6+01.		
4+49.7		
2+82.2		
1+45.5		
S.E. Cor west m. M.C. 21°30'		

13+92
13+97
26 58

15



Plat G. Cl. 837.

West Line

31+38.
38+68.7
29+62.
27+91.6
26+71.7
25+67.2
23+93.7
22+53.3
22+03.8
20+96.
19+97.
18+65.9
18+18.7
16+66.6
15+50 Δ R. 6° ri
14+81.5 Δ L. 12° 00'
14+13. Δ R. 6° 00'
13+19.7
11+03.8
10+37'
8+98.
7+46.
6+73.4
5+11.
3+78.'

39+60
38+63.6
37+64.5
35+96.5
34+90.5
32+80.8

S. W. Cor. Cl. 837 - S. W. Cor. Lot 12. Northerly m.c. 21° 30'

S 38° 45' W 16.2 ft.
~~N. 42° 30' W 11.2 ft.~~
to 20" pin
N E. 42° 30' W 11.2 ft
to 16" pin

N. W. Cor. Plat G. O.K. 1906 4" in diameter set for corner.

N. W. Cor. Cl. 837.
N. W. Cor Plat G.

Around trees.
(7.6. N. & 25° 50')

S. min.
Falling of North line is North 9.6 ft. of 3960 ft. on West line

N. W. cor. we set running from E. 28.3 N 71° 31' E 29.84. 1/4 Cor. 849.

15+50
6°
12°
14+81.5
14+13
6°
90°

Cl. 837

Plat G.

S. E. Cor. Lot 12. Cl. 837

S. E. Cor. Cl. 837

Initial pt. for Plat G.

(M.C. Var. 21°30')

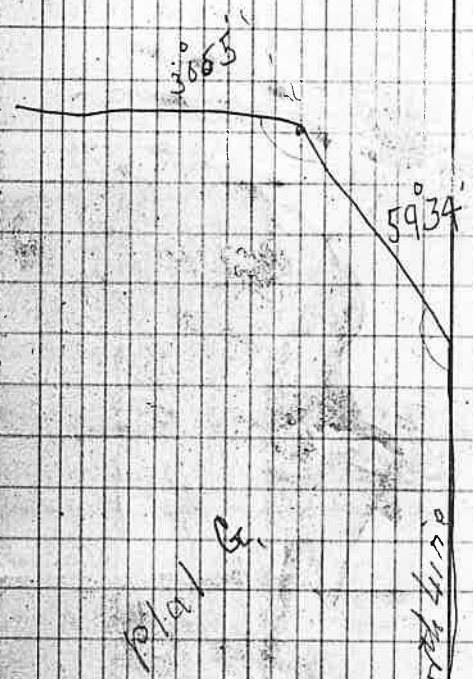
Iron pipe at west side of Lot 12-11

Bearing Trees { N 62° W 9.2 ft. to 20" Oak.
S 71° E 13.2 ft. to 10" Fir

South 457. ft. to Monument of stone at S.W. Cor of Plat G. = S.W. Cor. of Claim 837.

S.W. Cor of Plat G. = S.W. Cor Cl. 837. as built in center stone monument.

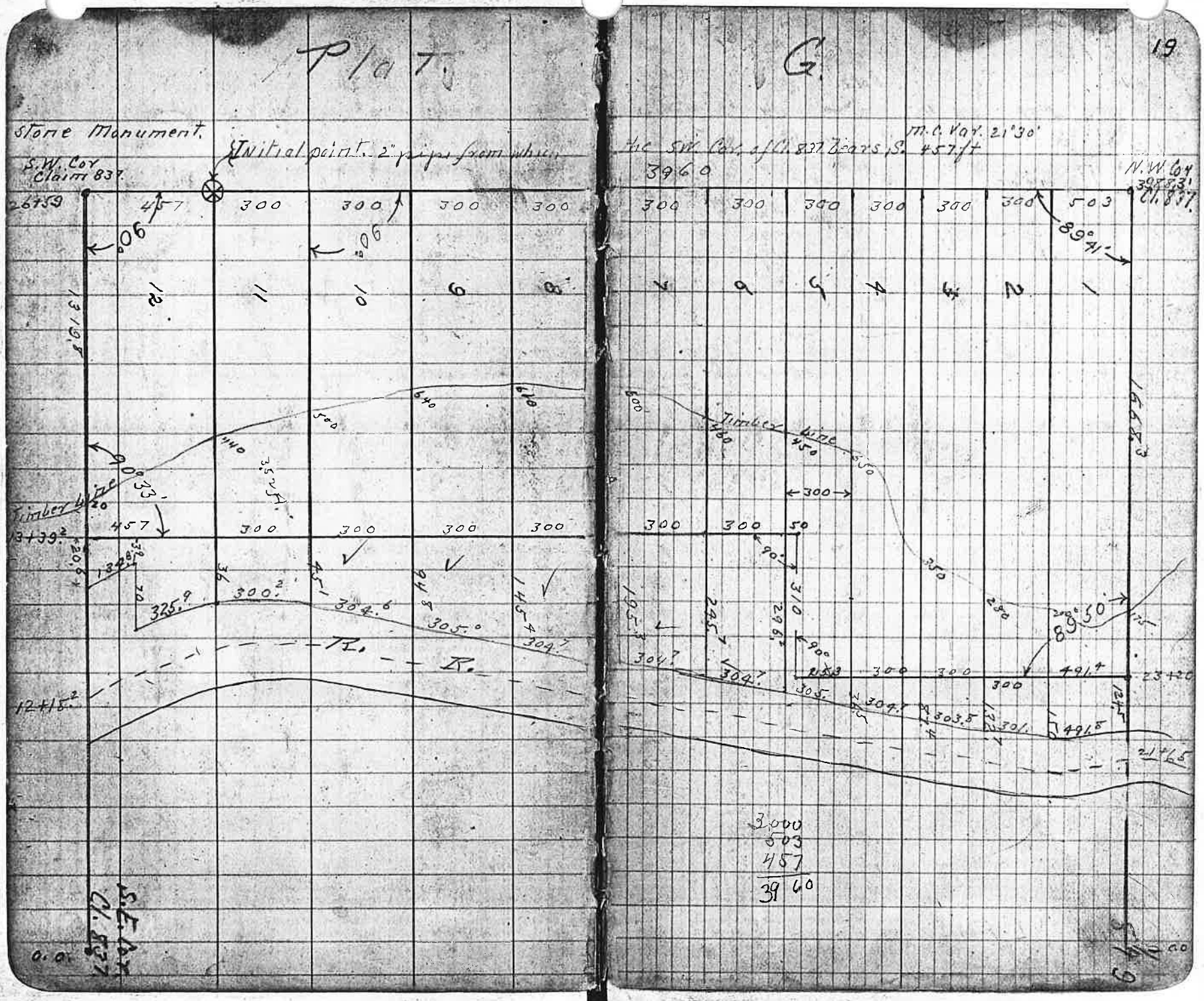
Bearing Trees { S. 16° E 25 ft. to 18" Oak.
N 37° 30 W 44.0 ft to 8" Laurel.
N 41° E 35.7 ft. to 20" Oak.



90 00
90 33
90
30 55
59 34
359 122

90 00
59 34
S 30 26 W
30 55
S 29 E
N 89° 31' E
89 27
N 0 04' E

Plat.

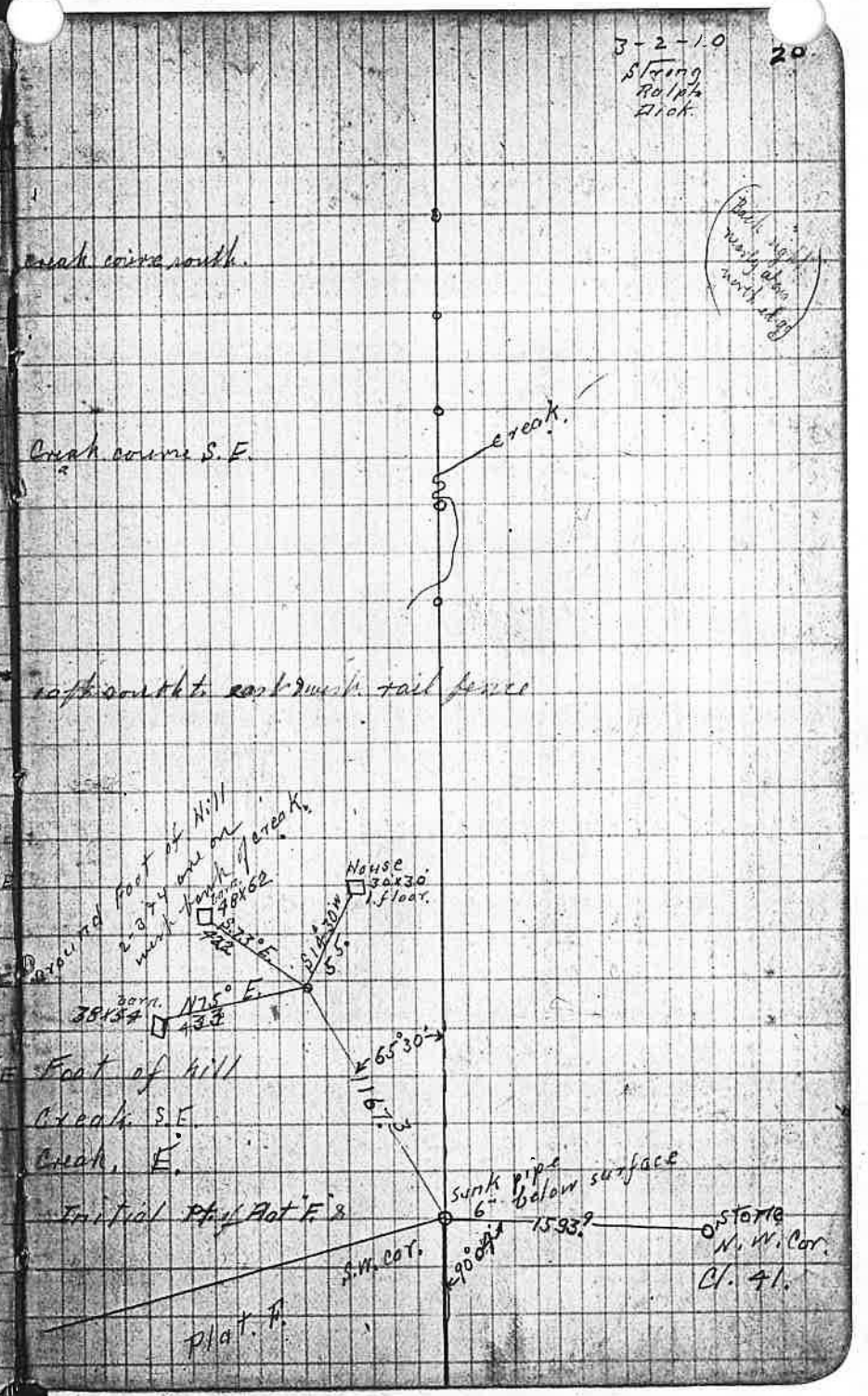

Stone Monument.
S.W. Cor Claim 837.
Initial point. 2" pipe from which
Wit. Cor. of Cl. 837 bears S. 457 ft
M.C. Var. 21°30'
N.W. Cor 3983 Cl. 837.
S.E. Cor Cl. 837
3960
300
457
503
Timber line
Timber
R.
35 sq. ft.
3000
503
457
3960

Plat I Traverse

West & South Side

(Var. 21°20' E.)

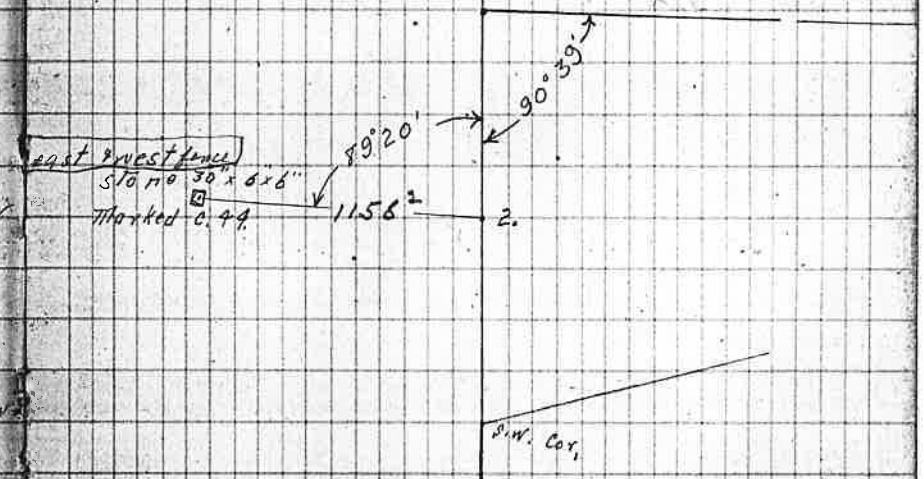
Sta.	Dist	Δ L.	Δ R.	C.C.	M.C.
+94	S.E. Cor.				
10					
North bank 753 South bank 737	1300				Creek course south.
9 P.O.T.					
	1100				
8 P.O.T.					
North bank 250 South bank 14	1400				Creek course S.E.
7 P.O.T.					
N.B. bank 686 S.B. bank 636	1000				
6 P.O.T.					
	900				
5		90° 30'			East 10 ft south of E. and W. rail fence
	440.				
4.			36° 40'		S 0° 30' W.
	160				
3			21° 30'		S 36° 10' E.
	256				
2			22° 50'		S 57° 20' E.
	351.				
1		81° 00'			S 80° 30' E.
1229. S. bank. 1215 N. bank. 276 S. bank. 243. N. bank.	1295'				
0.					S 30' E.
West Line Plat F					



3-3-10
2 Frong
Ralph
Dick

Plat I. Traverse
East Side.

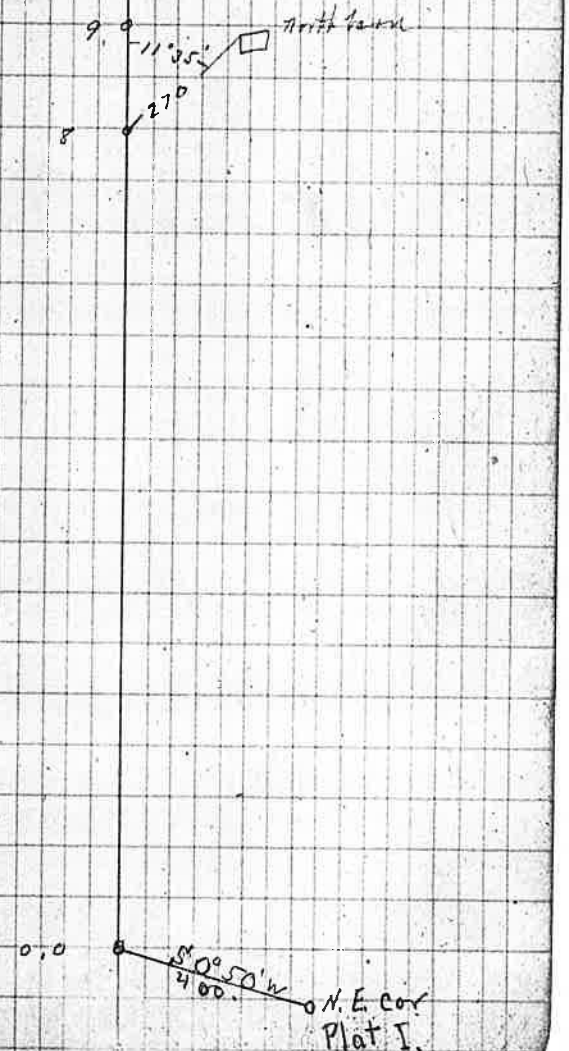
Sta.	Dist.	Δ L.	Δ R.	℄ C.	M.C.
4 = S.E. Cor.					
	167				
3					
+12	2500.				
2 P.O.T.					
	1600'				
1 P.O.T.					
183 S. Bank canal.					
165 N. Bank canal	= 400.				
0.					S 0° 50' W

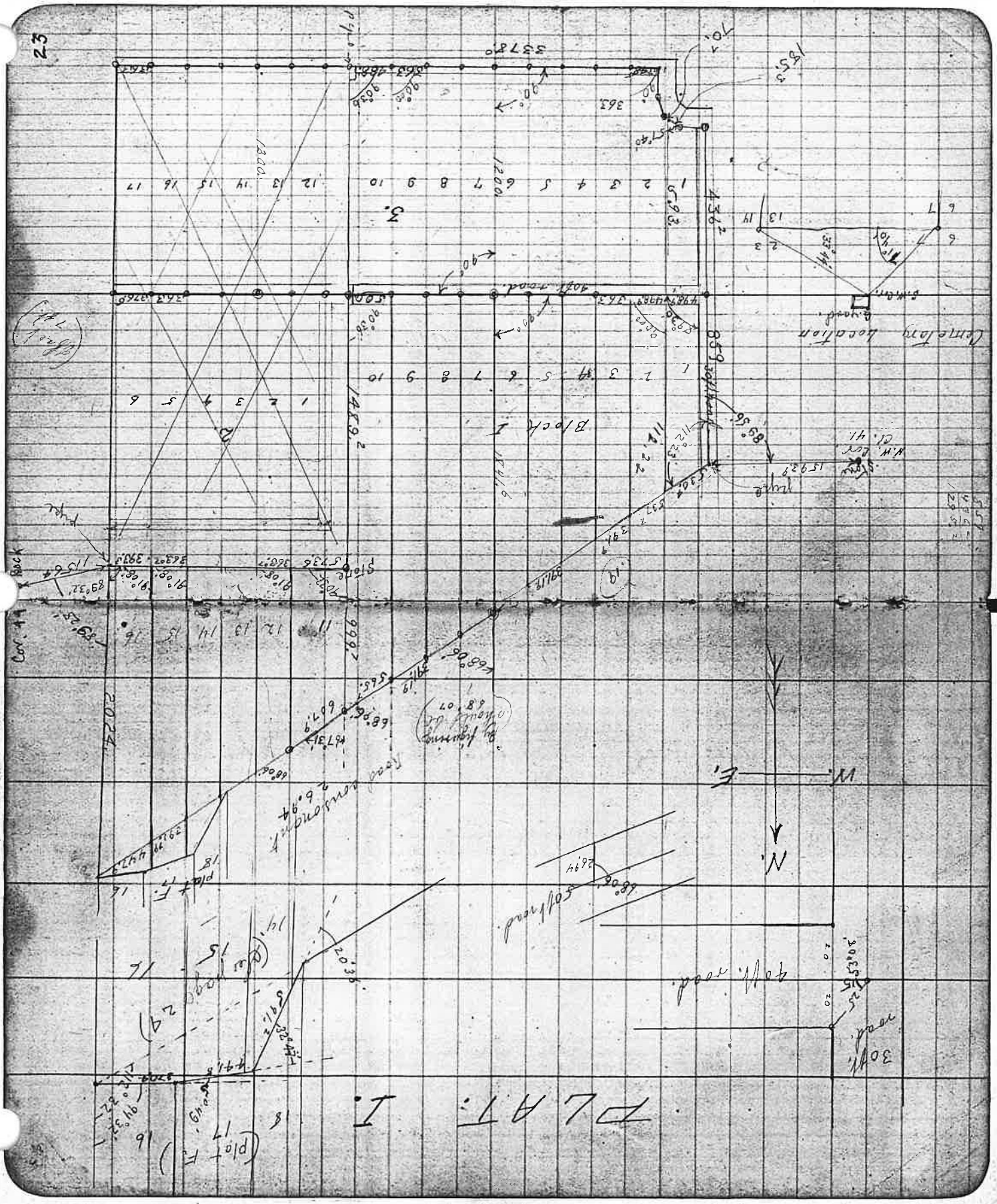


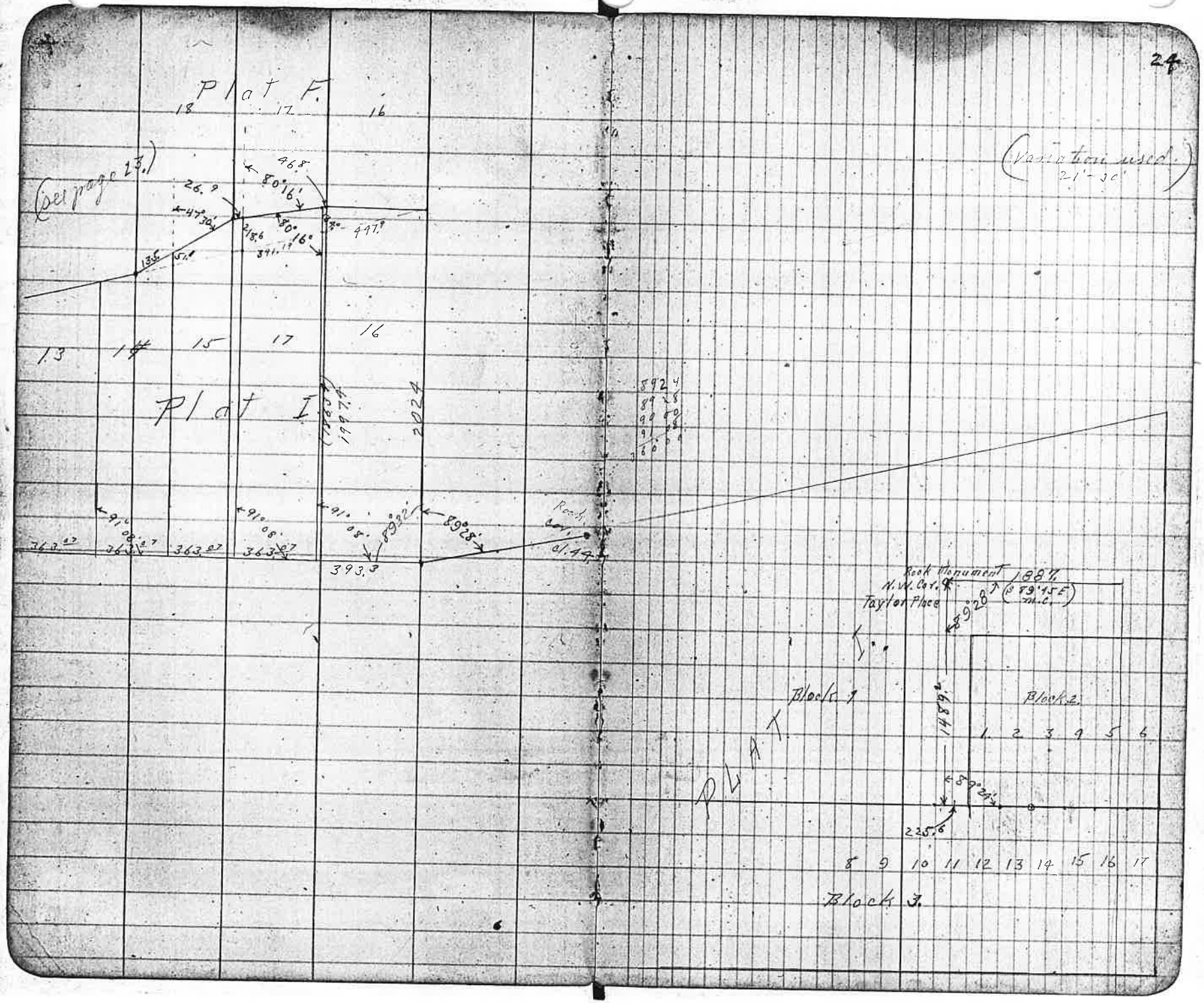
Plat F.

Ditch Contour Traverse
Plat I.

Sta.	Dist	Δ L.	Δ M.		M.C.
11 - 10ft south of south line of Plat. E.					
	440				
10			28°-43'	N 5-51 W	N6-00W
	466				
9			6 0 -16	N34-34 W	N34-45W
	467				
8		~~11-0~~	14-05'	S85-10 W	S84-50W
	898				
7			3°-21'	S 71-05	S70-45W
	777				
6		1°-43'		S67-44 W	S67-30W
	1140				
5		1°-28'		S69-27 W	S69-10W
	525				
4			12°-06'	S78-55 W	S70-30W
	247				
3		7°-02'		S58-49 W	S58-30W
	722				
2			20°32'	S65-51 W	S65-30W
	642				
1			18°29	S45-19 W	S45-05W
	640				
0			26°00'	S26-50 W	S26-45W
N.E. Cor. Plat I.				S0°50'W	




PLAT I.
Block 1
Block 2
Block 3
Centre line location
Road
Cemetery
Pond
Creek
Hill
Valley
Bridge
Fence
Orchard
Meadow
Swamp
Scale
N.
S.
E.
W.

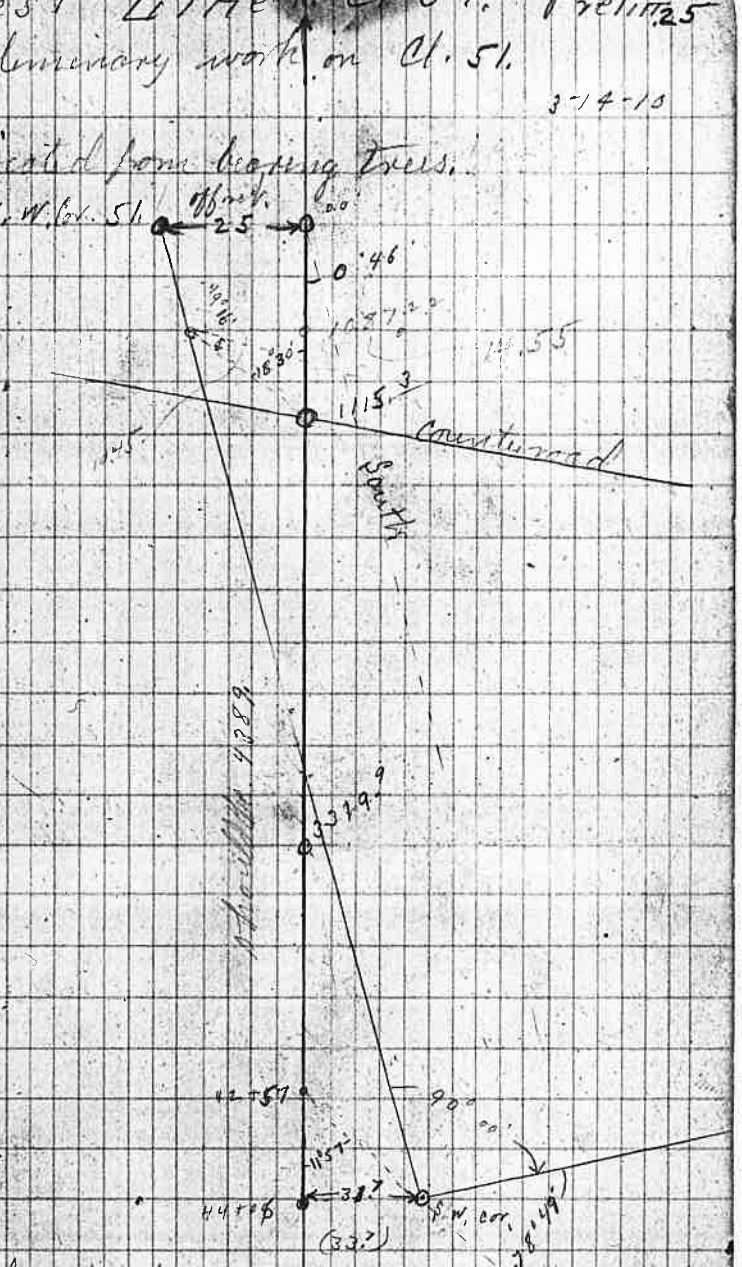

Plat F.
18
17
16
(see page 23.)
968
80° 16'
26.9
47° 30'
80° 16'
2156
341.17
447.9
135
51.1
13
14
15
17
16
Plat I
(1980)
1191.72
2024
8924
91° 08'
91° 08'
91° 08'
89° 32'
89° 28'
363.67
363.67
363.67
363.67
393.3
Road
61.44
(Variation used 21' - 30')
Rock Monument
N.W. Cor. of
Taylor Place
1888.4
(S 89° 45' E
m.c.)
89° 28'
Block 1
Block 2
1
2
3
4
5
6
1484.2
89° 28'
225.6
8
9
10
11
12
13
14
15
16
17
Block 3.
PLAT

West Line of Cl. 51. Prelim. 25

preliminary work on Cl. 51.

3-14-10

Sta.	D. L.	Δ L.	Δ R.	C.C.	(using Var. 21°) True C.
5+59.3					
5+10					
3+50					
1+80					
to Cor. =		78° 49'		East	S 89° E
@ 4+25.7		11° 57'		S 11° 11' E	S 10° 25'
43+08	falling 31.7 + excess easting of 2nd = 33.7				
42+67					
41+27	2.80 (E 4.1)		0° 50'	S 0° 46' W	S 1° 15' W
38+48	115 (E 7.0)		2° 40'	S 0° 4' E	S 0° 30' W
37+32	95 (W 9.1)	9° 00'		S 2° 44' E	S 2° 15' E
36+37	130		5° 30'	S 6° 16' W	S 5° 30' W
35+07					
3319.9				S 0° 46' W	



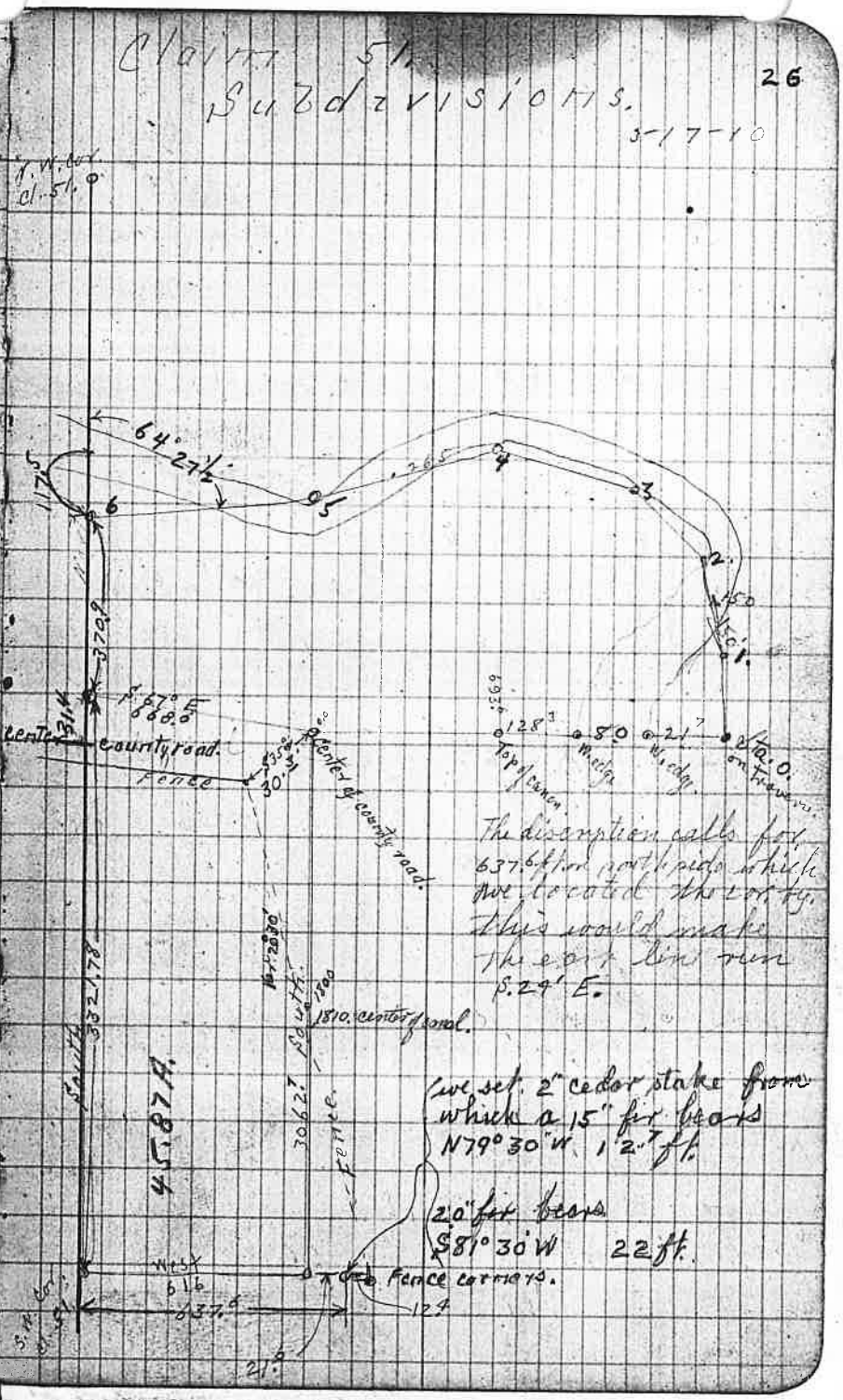
Found bearing trees at S.W. Cor.
Relocated cor. by setting 4" Oak stake.

Manning place Traverse.

Clavin's Subdivisions. 3-17-10

Sta.	Dist.	∠ L.	∠ R.	C.C.	Var. 20°30' W.C.
to Beginning	370.9	64°-27½'	at Station 6.		
Sta. 6.	262.		28°08'	S64°28'W	S64°30'W
Side shot.	20	40°-00'		center of creek.	
		At. Sta. 5.			
Sta. 5	420.6	65°-20'	North edge of creek	S36°20'W	S36°W.
side shots.	30		90-00	Center of creek.	
	20				
		At. Sta. 4.		South edge of creek	
Sta. 4.	587.	27°56'		N78°20'W	N78°30'W
side shot	10		60°-00'	Center of creek.	
		At. Sta. 3			
Sta. 3	262.8	42°30'	West edge	N50°30'W	N51°45'W
side shot	35		70-00	center of creek.	
		At. Sta. 2.		N8°W.	
Sta 2.	342.5		2°-15'	West edge of creek.	N8°05'W
Side shot	50	66°30		center of creek.	
		At. Sta. 1.			
Sta. 1.	496.7	100°-00		N10°15'W	N10°15'W
Side shot.	214.	115°30'	50' Right	of center of road.	
		At. Sta. 0.			
Ft. Sta. 0.					
	230			N89°45'E	
Top of corner.					
	693.6			N89°45'E	
Center of road	688.6				
				S67°E	

at point on west line of Cl. 51. 332.1 ft. north of S.W. Cor.



J — 17 — 10

West Line. Cl. 51.

Sta.	West	Δ L.	Δ R.		M. C.
½ point on random line.					
10 83.9		19° 53'			
	138				
9+45.9			4° 09		S 2° 16' W
	129				
8+16.9		1° 15'			S 2° E
	103.9				
7+13.0		0° 49'			S 50' E South side of creek
	152.9				6+36.6 = Center of creek.
5+60.1			0° 46'		South (Center creek 5+95.5 ft agrees with original notes)
	136.7				Bottom of north bank
4423.4 ⊙					
	47.5				
3755.9 ⊙					S 25' E
	97'				Top of canon.
2+78.8		1° 32			S 40' E
	278.8		0° 46		S 1° W
At N.W. Cor. Cl. 51. south on true west line					

179 + 9
48 17
131.43

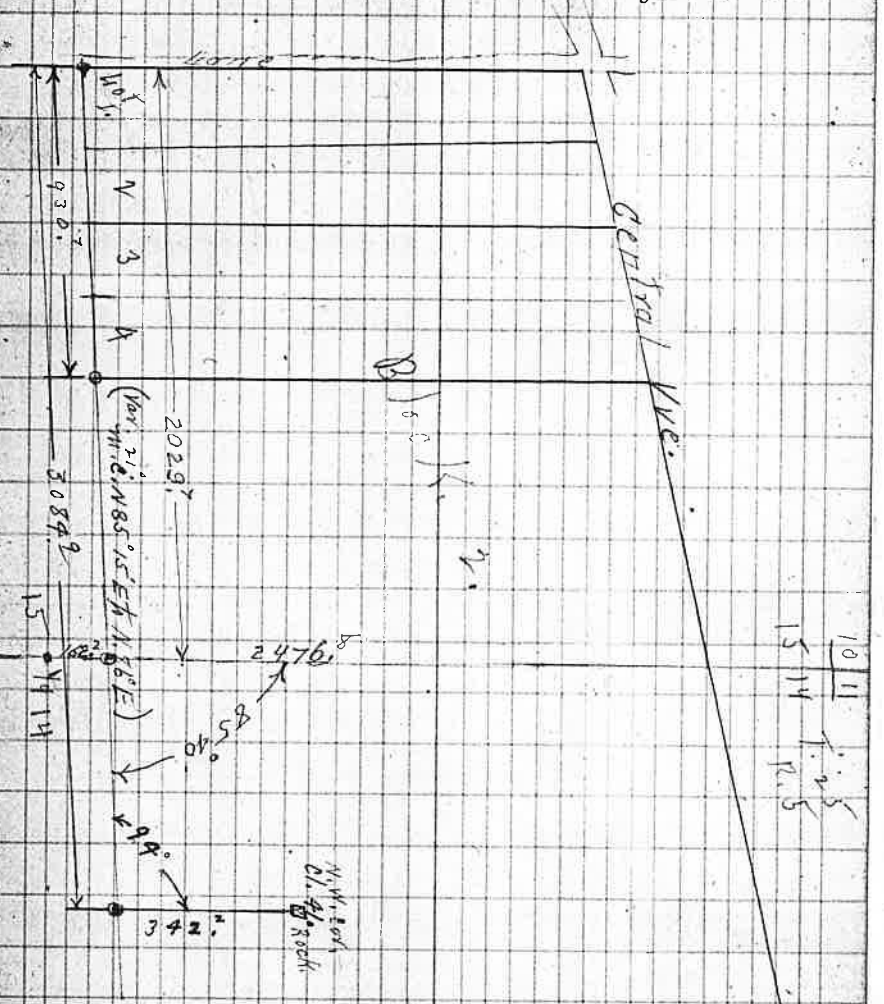
Sec. 15/14 Cor. 22/23 T. 25 - R. 5,

Plat. A.

South Line Ties.

3-15-10.

Sta.	15/14 22/23 Dist	Δ L.	Δ R.	C.C.	Var 21° W.C.
T. 6. S. R. 5 W. 15/14 22/23 found bearing tree & established corner Ash. 3" oak stake					
52+78	falls	4.6	Ef	Sec. cor. 15/14 22/23	
49+71					
48+16					
39+96					
26+39 = 24+50		2.3	Ef	1/4 cor. 22/23	{established 1/4 cor. at proper place & drove galv. pipe.
15+19					
9+19					
N 10/15 11/14					South
South	between 14 & 15.				



East on South Side Cl. 51.

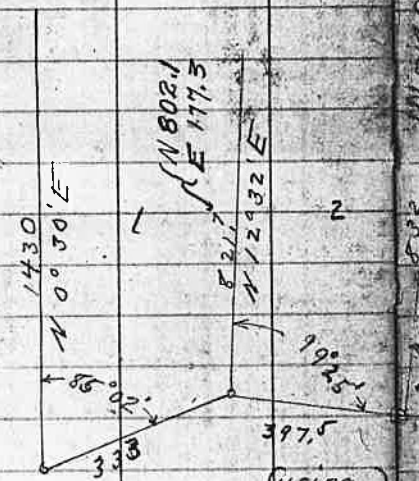
3-15-10

Sta.	Dist	△ L.	△ R.	C.C.	M.C.	

Plat B. Block 1.

Contd. on Page 31.

	Dist.	Δ L.	A. R.	C. C.	M. C.
Lot 1.					
	333			S85°32'W	(Using Variation 20°30') S85°W
Lot 1-2		26°-25'			
	397.5			N68°03'W	N67°45'W
Lot 2-3			4'-10'		
	330			N72°13'W	N73°30'W
Lot 3-4			0°-38'		
	332			N72°51'W	N74°W
Lot 4-5			0°-53'		
	422.0			N73°44'W	
Lot 5-6		36°-14'			
	283.9			N37°30'W	
S.W. Cor. Lot 6.			52°-30'		
				East.	S89°30'W



Anchor post.

Anchor post.

Anchor posts are - 12 & 24 ft. east.

Anchor post.

Anchor post.

South cor. Lot 5-6. on Fence Line

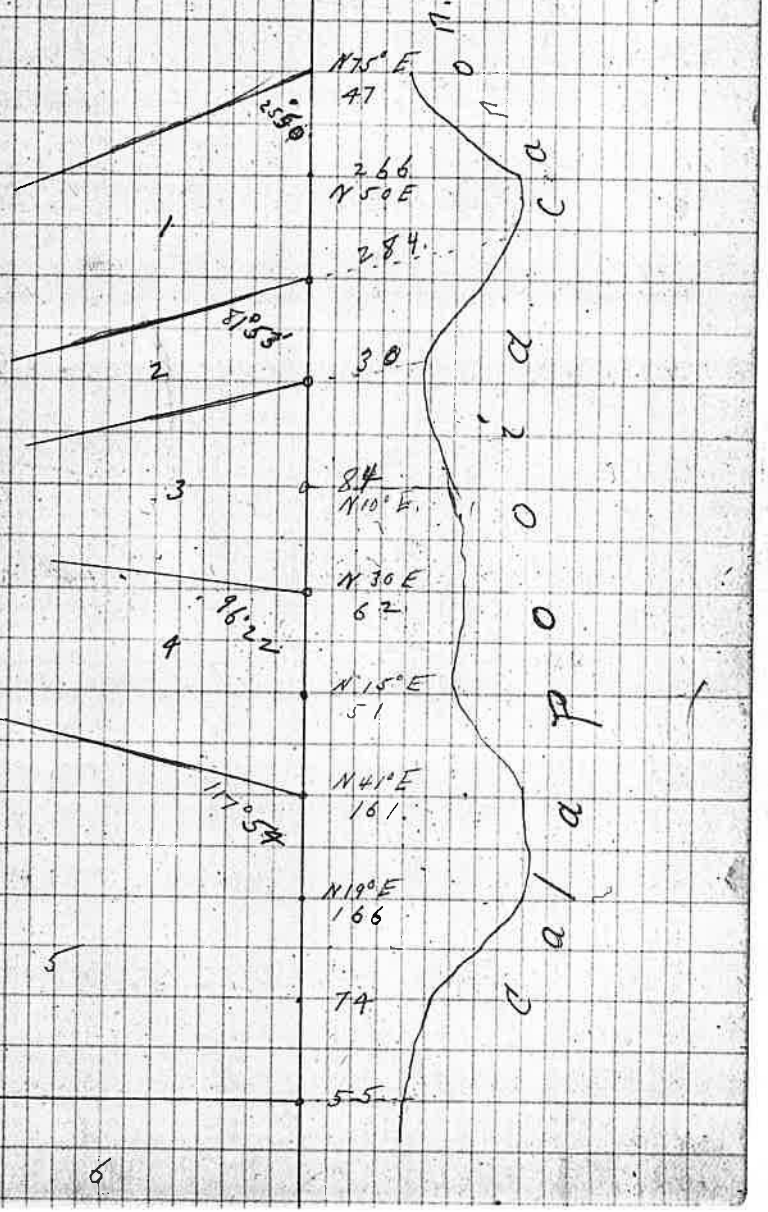
At Monument.

Plat B. Traverse along south side of county road.

Blk. 1.

Sta.	Dist	Δ Lt.	Δ R.	C.C.	W.C.
1					
	416.7				
Δ			29° 40'	N. 25° 20' W	N2.5° W
	390.5				
1 + 2			14° 21'	N. 55° 00' W	N57° 36' W
	383.4				
2 + 3			7° 14'	N. 69° 21' W	
	129.4				
Δ			2° 15'	N. 76° 35' W	
	484.7				
North cor. 3 + 4		12° 28'		N. 78° 50' W	N79° 30' W
	344.6				
Δ			11° 56'	N 86° 22' W	N 87° 30' W
	171.3				
North cor. 4 + 5		1° 24'		N 75° 18' W	N 79° 36' W
	271.4				
Δ		75° 29'		N 76° 54' W	N 78° W
	196.2				
Δ			26° 39'	N 1° 25' W	N 2° 15' W
	52.8				
North cor. 5 + 6		72° 04'		N 28° 04' W	
South cor. 5 + 6				N 44° 00' E	

Contd from page 30. 4-4-10 31.



Sta	Dist.	∠ L	∠ R.	C.C.	M.C.
24+55.8					
		~~1°00'~~	1°00'	~~N0°40W~~ N0°20W ~~N 0°20E~~	N0°20W
22+79.7					
		0°00'	0°00'	~~N 0°20E~~ ~~N 0°00'E~~	N0°40E
20+86.7					
		1°00'		~~N 1°20°E~~ ~~N 0°40E~~	N0°40E
18+09.8					
		~~0°30'~~		~~N 1°00E~~	~~N 0°40E~~
13+75.9		0°30'		N 1°55'E ~~N 2°35'E~~	N1°40E
		0°30'			
11+30.4		1°30'		~~N 2°25'E~~ ~~N 3°05E~~	N2°15E
		1°30'			
9+43.1		~~1°45'~~		N 3°05'W ~~N 4°45'W~~	N3°W
		1°45'			
		~~1°45'~~			
8+52.6		1	6°30	~~N 6°50W~~ N7°W	N7°W
			6°30'		
7+6.8A			~~1°00'~~	N0°20E	N2°E
			1°00'		
4+57.7		0°30'L	~~0°30~~	N0°40W	N3°W
	4+57.9	0°30'L			
1+33.5			0°30'R	N0°10'W	N0°40W
	1+33.5		0 30R		N0°40E
0+00					North

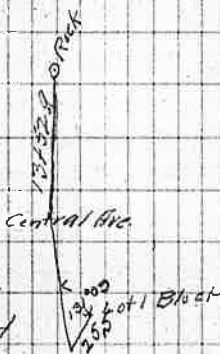
Variation 20° 30'

3.2 North 1.9 East From Anchor Post

Sta.	Dist	Δ L	Δ R.	C.C.	M.C.	
20+11.0	←					→ To Hub 54+55.4 On West Bdy P. Beckley Place
			4°37'	S51°43'E	S52°30'E	
15+69.1						
			10°30'	S56° 20E	S57°20 E	
14+61.6						
			21°30'	S69°50E	S69°15' E	
7+92.7						S.W.C. Barn $^{N}_{S}$ 63 x 45 $^{E}_{W}$ bears N 60°45'E 492.0'
		88°30'	88°30'	N 88°50E	N88°00E	
30+36.1		~~88°30'~~				NW Cor House $^{N}_{S}$ 24 x 48 $^{E}_{W}$ bears S 17°35'E 141.2' (141.2)
		1°00'		~~N 5°E~~ N 2°E	N30E	
26+15.9						
		0°00	0°00'	~~N0°56W~~ N0°70W	N0°25' W	
21+55.8						

Sta.	Dist	∠ L.	∠ R.	C.C.	M.C.
			0°10'		
		0°40'			
35+153					
New Course		89°59'			
15+886					
	157.2	Anchor Post on Line			
3+36.3			90°00		N 89° W E
		91°59'		N 0 25 W	N 20' W
31+03.5		182°00'			N
				81 35	S 81 35 W
28+97.0		4°23'			
		422½	1°05'	85 59	S 85 5 0W
20+52.0					
		94°06'		5 9 5 1	S 8340 W
Tie	25.5	131°09'			
21+920		~~151°09'~~			
		0°39'			
13+52.9		1°00		51°00E	51°20E
			89.59'	South	50'20E
0+00	Stone				

Changed into Strong's Book under Cutbuch Place Traverse



Road

Nail E ast Side ⊙ Blue Crayon

Cl 41

Ashtree hub near

Stake had been driven down

Stake Lot 1 Block 2

Hub in Central Avenue

Checked Angle from Cor to Stone in County Road 90°00"

Waite Traverse

Sta	Dist	Δ L	Δ R	C.C.	M.C.

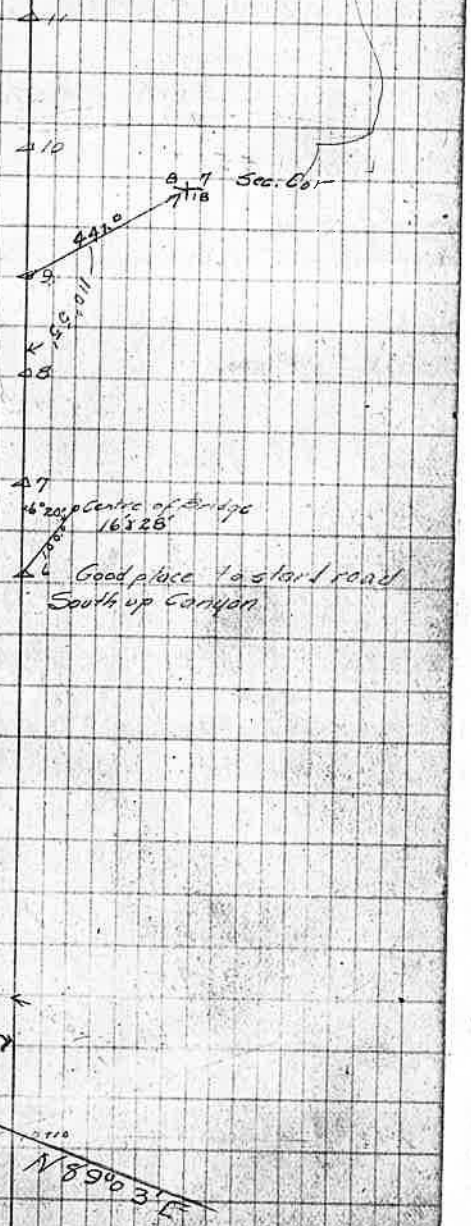
Traverse of County Road Starting from Sta 10+10 on North Boundary C.L. of Random Line

Opposite Power House to Dam

Aug 25, 1910

Worstell
Coley
McCallister
Billings
Moore
Freydig

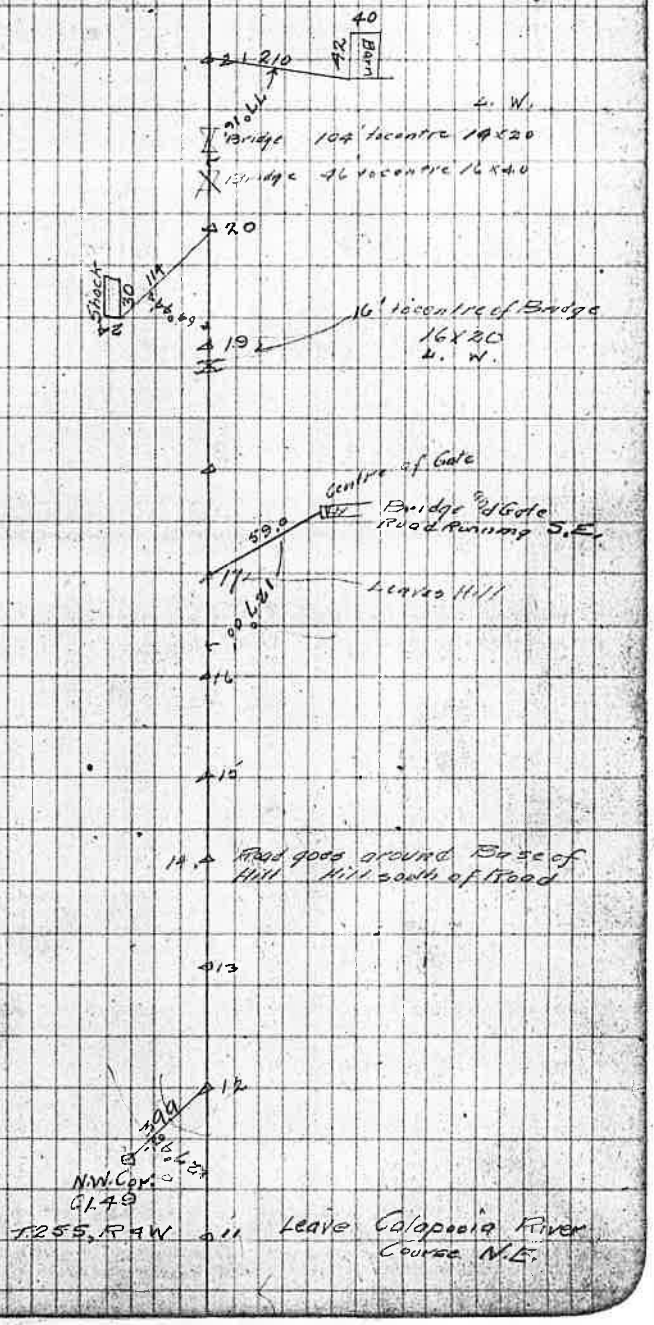
Sta.	Dist.	Δ L	Δ R	C.C.	M.C.
continued on next page					
Δ 11					
	136.2			N 48° 18' E	N 48° 40' E
Δ 10		11° 58'			
	337.3			N 60° 16' E	N 60° 30' E
Δ 9		14° 50'			
	601.9			N 75° 06' E	N 75° 25' E
Δ 8		1° 19'			
	320.3 220.3			N 76° 25' E	N 76° 30' E
Δ 7		31° 53'			
At NE cor Bridge	112.0			S 71° 12' E	S 71° 05' E
Δ 6		11° 25'			
	304.5			S 59° 37' E	S 60° 00' E
Δ 5		8° 49'			
	278.3			S 51° 08' E	S 51° 20' E
Δ 4			20° 39'		
	378.2			S 71° 47' E	S 71° 40' E
Δ 3		12° 05'			
	187.1			S 59° 42' E	N 59° 45' E
Δ 2		26° 58'			
	362.3			S 32° 44' E	N 33° 00' E
Δ 1			22° 06'		
	508.2			S 54° 50' E	N 55° 00' E
0+00 10+10 on Random Line North Boundary			56° 07'	N 89° 03' E	



County Road Traverse

continued from page #36

Sta.	Dist	Δ	R	C.C.	M.C.
Δ 22					
	244.2			N56°30'E	N56°30E
Δ 21		12°03'			
	351.7			N68°36'E	N68°20E
Δ 20			20°08'		
	379.0			N48°28'E	N48°05E
Δ 19		22°28'	R		
	290.8			N26°00'E	N25°35E
Δ 18		44°42'			
	254.0			N70°42'E	N69°50E
Δ 17		19°35'			
	446.1			S89°43'E	East
Δ 16			19°39'		
10' ϕ Culvert	423.1			N70°38'E	N70°25'E
Δ 15			15°42'		
	284.4			N54°56'E	N54°50E
Δ 14		20°43'.			
	576.2			N75°19'E	N75°30E
Δ 13		15°41'			
	927.6			S89°00'E	S88°55E
Δ 12		1°10			
	254.5			S87°50'E	S87°30E
Δ 11			43°52'		
				N48°18'E	N48°40E



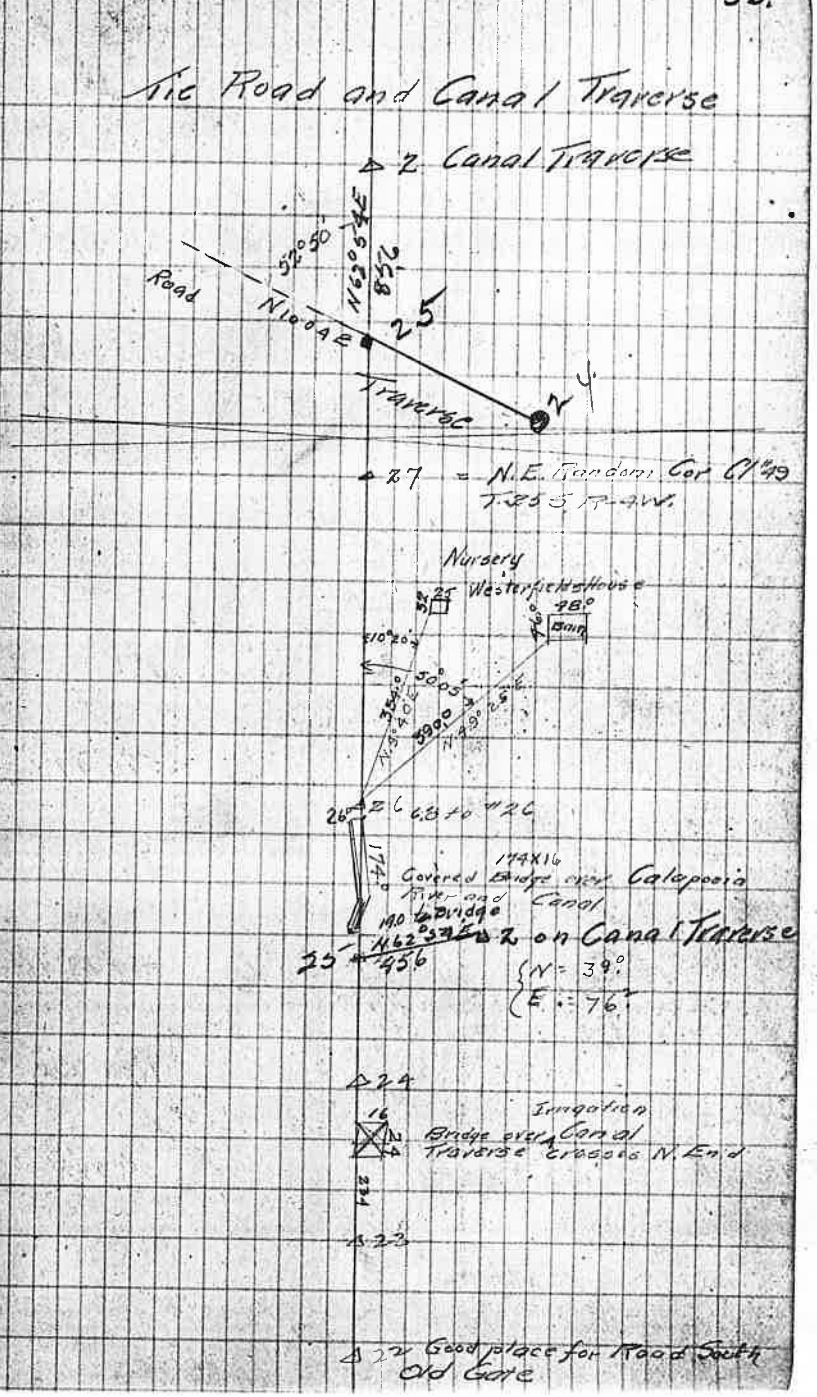
County Road Traverse

Continued from page 37

Sta.	Dist	Δ L	Δ R.	C.C.	M.C.
				N 10° 24 E	N 10° 30 E
		71°07'		N 81° 34 E	N 81° 30 E
		17°17'			
			=	S 61° 09' E	S 61° 35' E
			35°57'		
	85.6			N 62° 54 E	N 62° 45 E
Δ 26			52°50'		
				N 10° 04 E	N 10° 00 E
Δ 25					

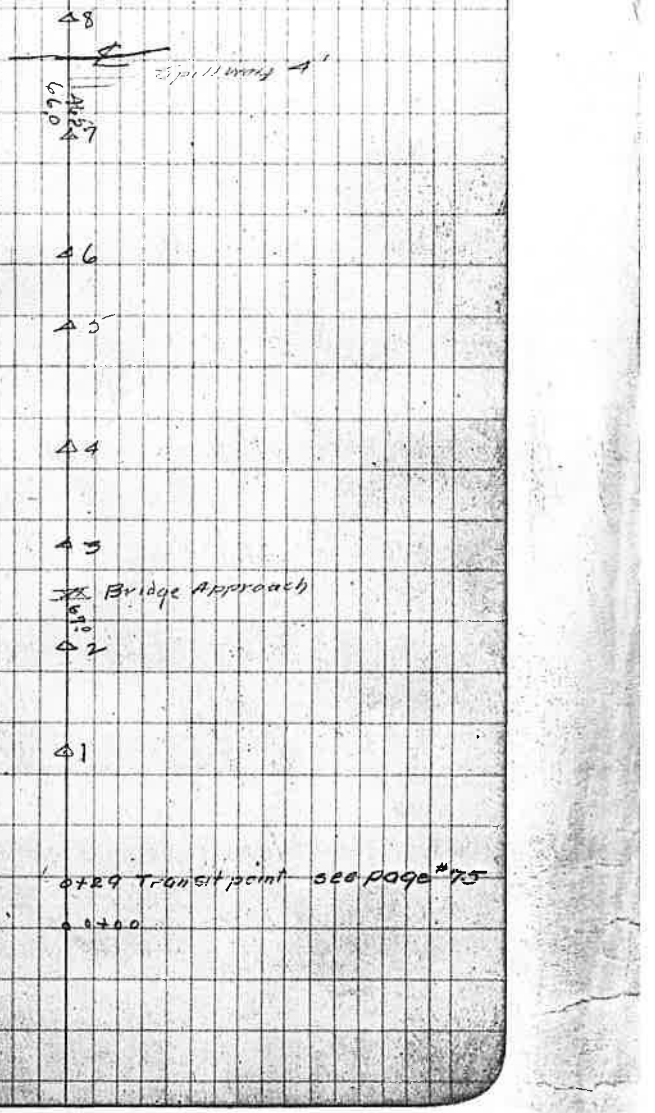
Courses from Sta. 25 County Road Traverse to Dam

Δ 27					
	1244.5	10°44'		N 00° 40" W	N 00° 45 W
Δ 26					
~~197.8~~	197.8			N 10° 04 E	N 10° 00 E
Δ 25		67°40'			
	996.0			N 77° 44 E	N 77° 30 E
Δ 24			00°36'		
	285.4			N 77° 08 E	N 77° 30 E
Δ 23		17°59'			
	639.5			S 84° 53 E	S 85° 00 E
Δ 22			38°39'		
	244.2			N 56° 33 E	N 56° 30 E



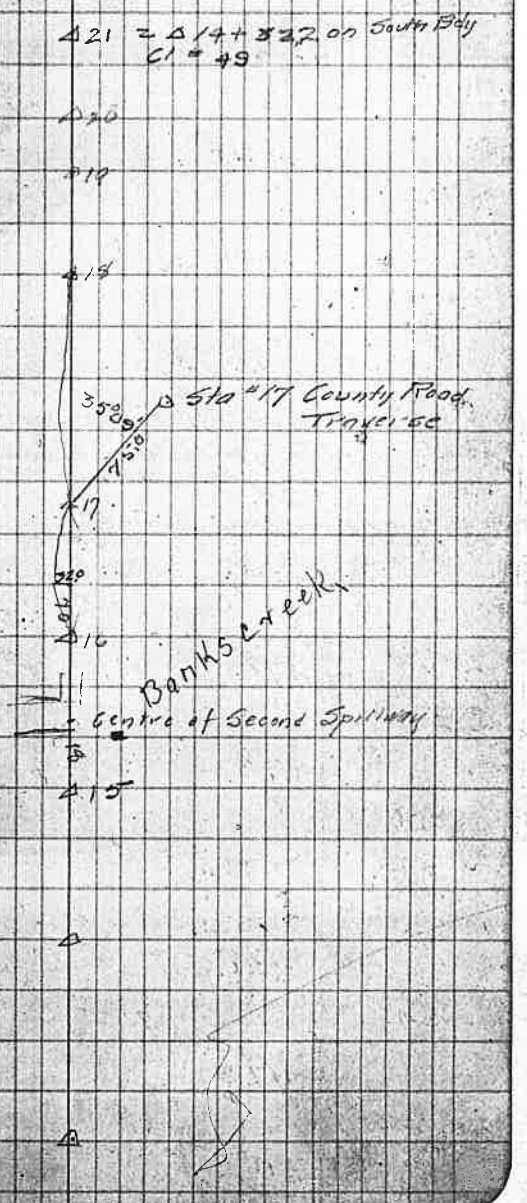
Irrigation Canal Traverse from Dam

Sta.	Dist.	Δ L	Δ R	C.C.	M.C.
	28+28.0				
	383.6			S75°30'W	S75°20W
Δ 10		11°59'			
	339.1			S87°29'W	S87°05'W
Δ 9			9°07'		
	120.2			S78°22'W	S78°10W
Δ 8			8°25'		
	67.7			S69°54'W	S69°45W
Δ 7			28°20'		
	110.4			S41°34'W	S40°50'W
Δ 6		29°29'			
	228.3			S71°03'W	S71°05'W
Δ 5		4°46'			
	521.2			S75°49'W	S75°15W
Δ 4		6°46'			
	189.4			S82°35'W	S82°10'W
Δ 3		11°58'			
	150.7			N85°37W	N85°40W
Δ 2		4°28°			
	416.0			N81°09'W	N81°25W
Δ 1			17°17'		
	2649			S81°34'W	S81°30'W
0+29					
0+00	Headgate				



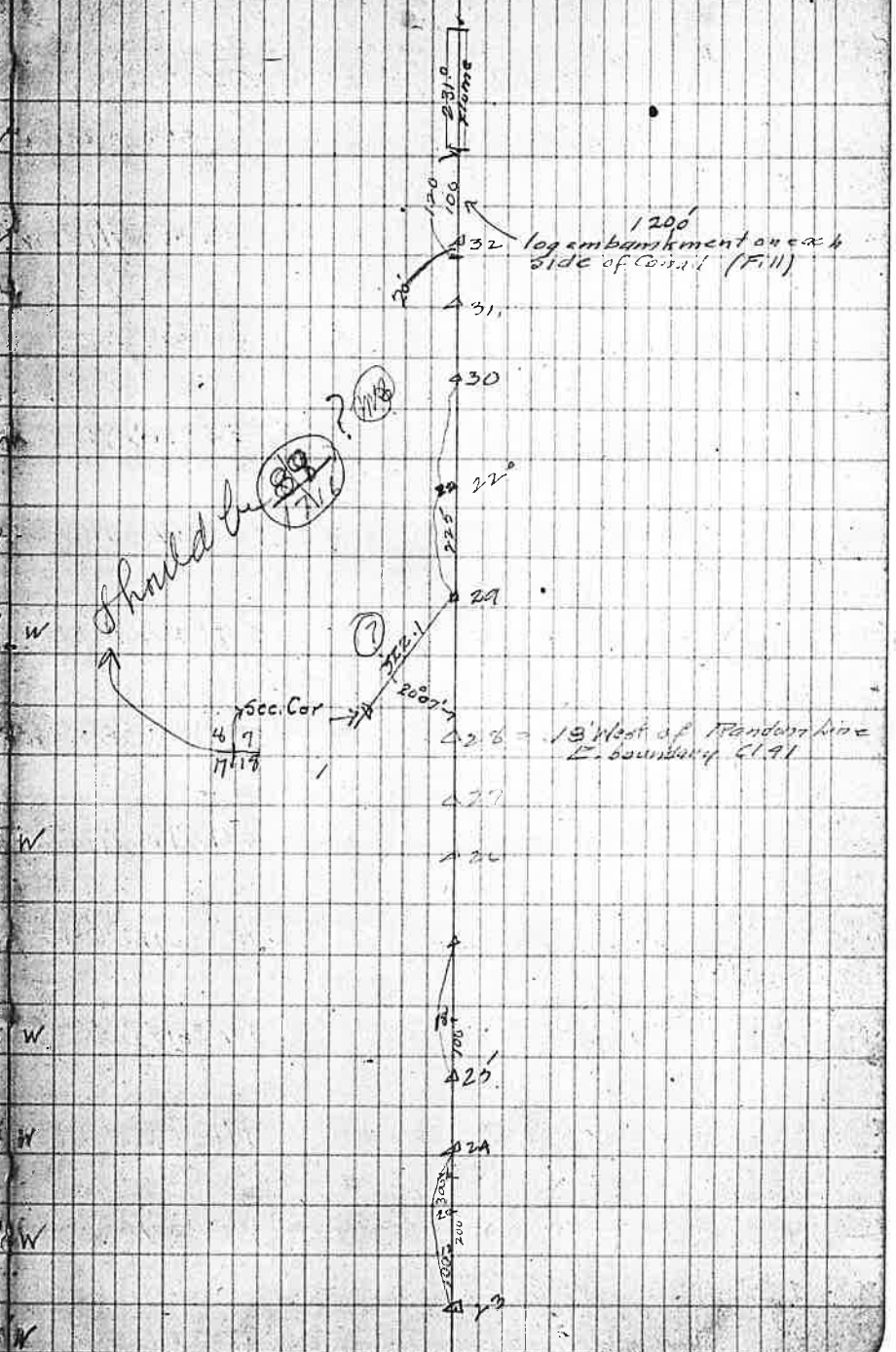
Irrigation Canal Traverse

Sta.	Dist.	Δ L	Δ R	C.C.	M.C.
	832.5			S 65° 08' W	S 65° 35' W
	211.5				
Δ 22		6° 15'			
	157.6			S 71° 26' W	S 71° 50' W
Δ 21			19° 05'		
	333.9			S 52° 21' W	S 53° 25' W
Δ 20		9° 25'			
	223.9			S 61° 46' W	S 62° 40' W
Δ 19		11° 09'			
	266.4			S 72° 55' W	S 74° 05' W
Δ 18		15° 06'			
	503.5			N 88° 59' W	N 88° 10' W
Δ 17		7° 08'			
	278.9			N 61° 51' W	N 62° 05' W
Δ 16			38° 15'		
	681.8			S 79° 34' W	S 80° 25' W
Δ 15			75° 31'		
	393.7			S 54° 23' W	S 55° 00' W
Δ 14			38° 50'		
	280.8			S 33° 27' E	S 34° 00' E
Δ 13		88° 12'			
	152.1			S 54° 45' W	S 55° 35' W
Δ 12		30° 05'			
	145.3			S 84° 50' W	S 84° 10' W
Δ 11			9° 20'		
	383.6			S 75° 30' W	S 75° 50' W
	280.0				



Irrigation Canal Traverse

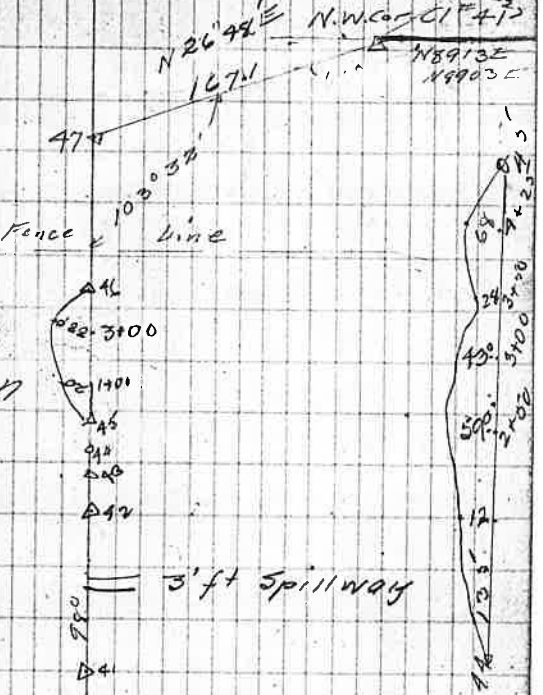
Sta	Dist	Δ L	Δ R	C.C.	M.C.
	232.0			N30°35'W	N30°05'W
Δ 34			48°30		
	384.0			N79°05'W	N79°00'W
Δ 33			20°12'		
	322.2			S80°43'W	S80°58'W
Δ 32			56°38'		
	284.6			S24°05'W	S23°55'W
Δ 31		16°46'			
	437.0			S42°51'W	S42°55'W
Δ 30		9°28'			
	189.2			S52°19'W	S52°25' W
Δ 29		21°02'			
	627.1			S73°21'W	S73°00'W
Δ 28			30°06'		
	178.4 278.9			S43°15'W	S42°45' W
Δ 27		23°51'			
	118.0			S67°06'W	S66°50'W
Δ 26		26°00'			
	233.7			N86°54'W	N86°35' W
Δ 25	~~178.1~~		35°06'		
	220.7			S58°06'W	S57°55' W
Δ 24	~~[illegible]~~	29°49'			
	417.4			S87°49'W	S87°40'W
Δ 23			21°41'		
	211.3			S65°09'W	S65°35' W



Irrigation Canal Traverse

Sta.	Dist	ΔA	ΔR	C.C.	M.C.
Δ47					
	140.3			N49°40'W	N49°55'W
Δ46		6°04'			
	281.3			N43°36'W	N43°25'W
Δ45		4°36'			
	519.4			N38°58'W	N38°40'W
Δ44		3°53'			
	325.2			N35°05'W	N35°32'W
Δ43			23°54'		
	428.4			N58°59'W	N58°53'W
Δ42			43°30'		
Check Ibisano	115.7			S77°31'W	S77°15'W
Δ41		12°10'			
	145.3			S89°41'W	S89°10'W
Δ40		58°34'			
	231.8			N31°07'W	N31°59'W
Δ39			29°30'		
	158.3			N60°37'W	N61°10'W
Δ38			37°47'		
	249.0			S81°36'W	S81°20'W
Δ37		28°36'			
	165.8			N69°48'W	N69°55'W
Δ36		6°14'			
	193.6			N63°34'W	N63°40'W
Δ35		32°59'			
				N30°35W	N30°56'W

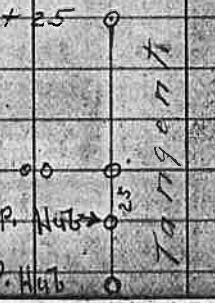
Offsets between 44 & 45' Shannon Margin



Dike. East of Nursery

Aug 31st 1910

Sta.	Rate	Grade	L.	R.
	0.60			
2+25	1	694.15	-2.3 / 10.9	-2.8 / 9.6
2			-2.2 / 10.8	-2.8 / 9.6
1+75			-2.8 / 12.4	-3.2 / 10.4
1+50			-3.6 / 14.8	-3.9 / 11.8
1+25			-4.1 / 16.3	-5.5 / 15.0
1			-6.0 / 22.0	-5.5 / 15.0
0+75			-5.9 / 21.7	-5.8 / 15.6
0+50			-4.4 / 17.2	-5.0 / 14.0
0+25			-3.1 / 13.3	-2.5 / 9.0
0,0		695.5	-2.3 / 10.9	-0.7 / 5.4

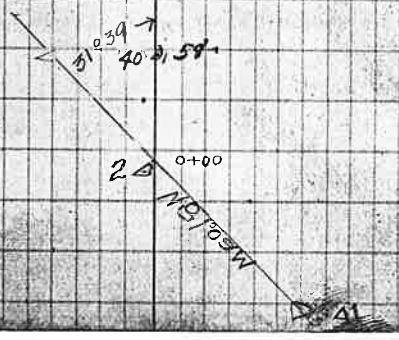


Traverse of Calapooia Creek from Bridge near Nursey

Aug 30, 1910.

Stg.	Dist	Δ L	Δ R	C.C.	M.C.
	646.5'			N71°38'W	N71°55'W
Δ 11			20°16'		
	284.8			S88°06'W	S88°00'W
Δ 10			38°38'		
	513.3			S49°28'W	S49°45'W
Δ 9		26°56'			
	389.8			S76°24'W	S75°10'W
Δ 8		43°39			
	382.2			N54°57'W	N61°00'W
Δ 7		2°54'			
	245.7			N56°58'W	N58°25'W
Δ 6			19°42'		
	141.0			N76°40'W	N78°00'W
Δ 5			30°56'		
	123.7			S72°24'W	S71°30'W
Δ 4		15°21'			
	369.4			S87°43'W	S87°20'W
Δ 3			25°02'		
	508.0			S62°43'W	S62°20'W
Δ 2		28°06'			
	542.0			N89°11'W	N89°00'W
Δ 1		39°41'			
	99.2			N49°30W	N49°30'W

0+00 = Δ 2 on Canal Traverse



Traverse of Calapooia Creek

Sept. 10, 1910

Worstell
Cofer
McAllister
Moore.
Freydig

Sta	Dist	Δ L	Δ R	C.C	M.C.
	351.8			S 18°57' W	S 19°05' W
Δ 23			85°14'		
	22.5			S 66°17' E	S 66°20' E
Δ 22		78°20'			
	328.0			S 12°03' W	S 11°15' W
Δ 21			11°30'		
	205.7			S 00°33' W	S 1°0' W
Δ 20		28°06'			
	173.5			S 28°39' W	S 28°55' W
Δ 19		58°59'			
	183.9			S 87°38' W	S 88°05' W
Δ 18			31°34'		
	227.6			S 56°04' W	S 56°10' W
Δ 17			9°59'		
	481.7			S 46°05' W	S 46°05' W
Δ 16			0°55'		
	263.0			S 45°10' W	S 45°05' W
Δ 15		58°55'			
	230.9			N 75°55' W	N 73°55' W
Δ 14		23°04'			
	450.9			N 52°51' W	N 52°55' W
Δ 13			6°24'		
	348.3			N 59°15' W	N 59°35' W
Δ 12			17°23'		
				N 71°38' W	

Sta "19 about 30' East of W. Boundary (Random Line) Cl. "49

Sta "15 is about 12° North (North B)

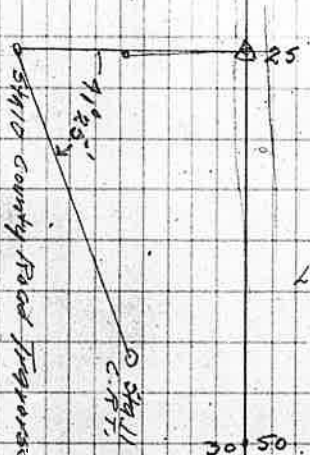
Sta "14, is about 18° North of North Boundary (Random Line) Cl. 49

30 25
40 18
35 35
10 25
40 30
30 35
30 76
40 50
60 40
50 25
30 60
70 40

Traverse of Calapooia Creek

Sta.	Dist.	Δ L	Δ R	C. C.	M. C.
#10 Sta. County Road Trav					
	32.8			57°01'W	S60°05'W
To point on Bank			23°28'		
	73.2			S16°27'E	S16°30'E
Δ25		48°07'-			
				S32°40'W	
Δ25				S31°40'W	S31°35'W
	298.2		12°43'		
PRA					
				S18°54'W	

41.26 I A



Lacks 08 of Closing

30 50

30 25

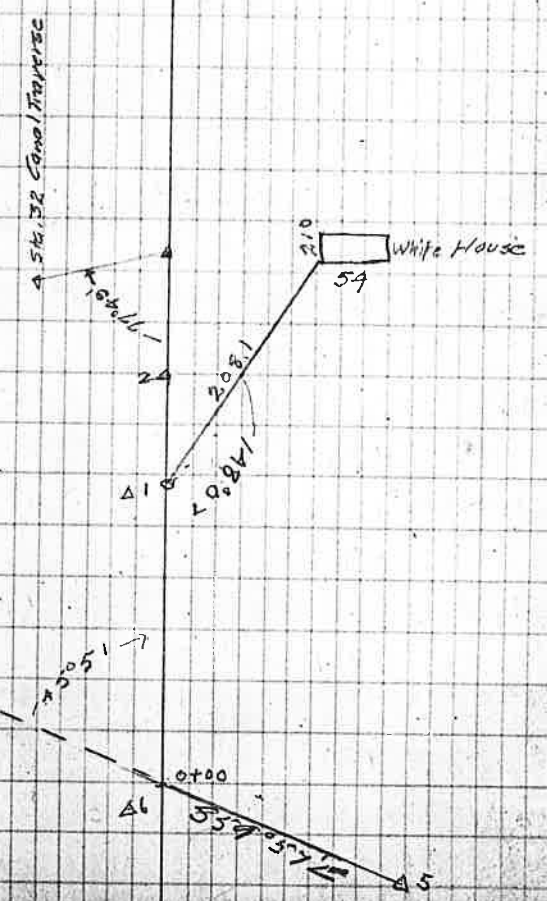
Road Traverse South through Cl. 49

Sept 11, 1910

Worstell
Colex
McAllister
Billings
Freydig

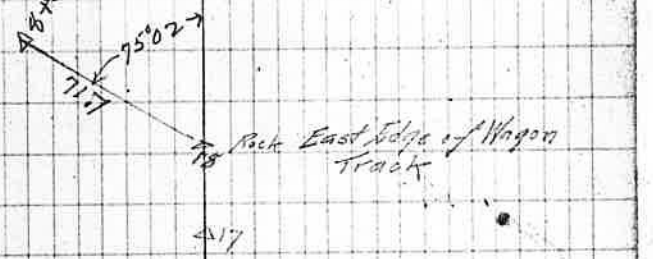
Sta	Dist	Δ L	Δ R	C.C.	M.C
	107.5			S37°07E	S36°20E
Δ 11		30°29'			
	111.9			S6°38E	S5°45E
Δ 10		13°02'			
	133.9			S6°24'W	S7°05W
Δ 9		22°24'			
	112.2			S28°48W	S29°10W
Δ 8			23°04'		
	208.7			S5°44'W	S5°35W
Δ 7			18°55'		
	83.5			S13°11'E	S12°55E
Δ 6		18°15'			
	184.8			S5°04'W	S5°10'W
Δ 5			21°01'		
	229.8			S15°57'E	S16°00E
Δ 4		10°23'			
	550.2			S4°34'E	S5°30'E
Δ 3			10°58'		
	131.7			S6°32'E	S7°15E
Δ 2			30°52'		
	533.2			S37°24'E	S38°16E
Δ 1		23°18'			
	326.8			S14°06'E	S13°30E

0+00 = Δ 6 County Road Traverse



Road Traverse South through C/49

Sta.	Dist	Δ L	Δ R	C.C.	M.C
△8+05 in South Boundary C/49				S 85°06' E	
△17		75°02'			
	1233			S 10°04 E	S 9°20' E
△16		18°15'			
	1852			S 8°11 W	S 9°00' W
△15			9°01'		
	1860			S 00°50' E	South
△14		11°42'			
	1891			S 10°52 W	S 9°35' W
△13			17°57'		
	1136			S 7°05' E	S 6°20' E
△12			30°02'		
				S 37°07' E	



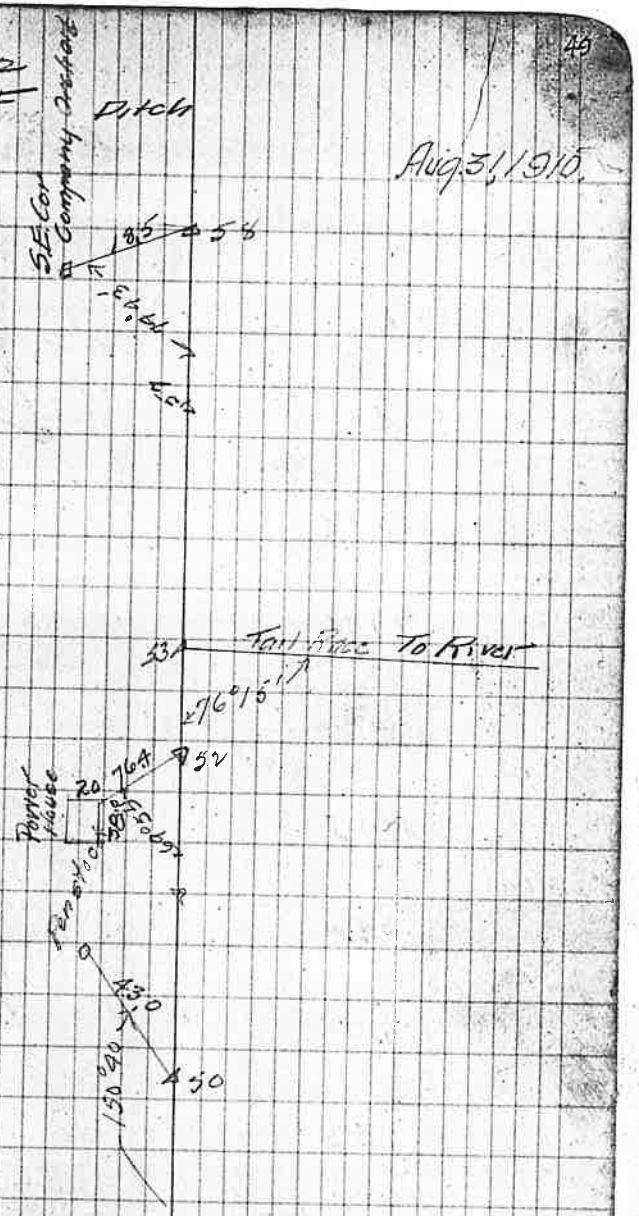
Canal Traverse cont. from page #42

Beginning near The Power House

Plat F Ditch

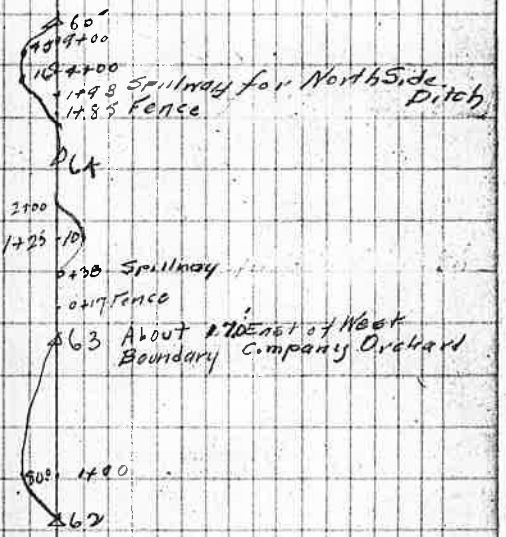
Aug. 31, 1910.

Sta.	Dist	Δ H	Δ R	C.C.	M.C.
				S74°55W	S75°00 W
Δ 58		3°26'			
	276.5			S78°21W	S78°00 W
Δ 57		24°40'			
	119.7			N76°59'W	N77°00 W
Δ 56			34°00'		
	284.4			S69°01W	S68°53'W
Δ 55		28°20'			
	273.0			N82°39W	N82°55' W
Δ 54		31°02			
	924.8			N51°37W	N52°15' W
Δ 53			7°47'		
	152.1			N59°24'W	N59°40W
Δ 52		54°29			
	104.3			N4°55'W	N5°20'W
Δ 51		69°27'W			
	107.4			N64°32'E	N64°05'E
Δ 50			47°29		
	104.6			N17°8'E	N16°45E
Δ 49			124°50'		
	96.1			S72°5'W	S72°00' W
Δ 48		34°25'			
	100.3			N73°17W	N73°35' W
Δ 47		23°37			
				N49°40W	



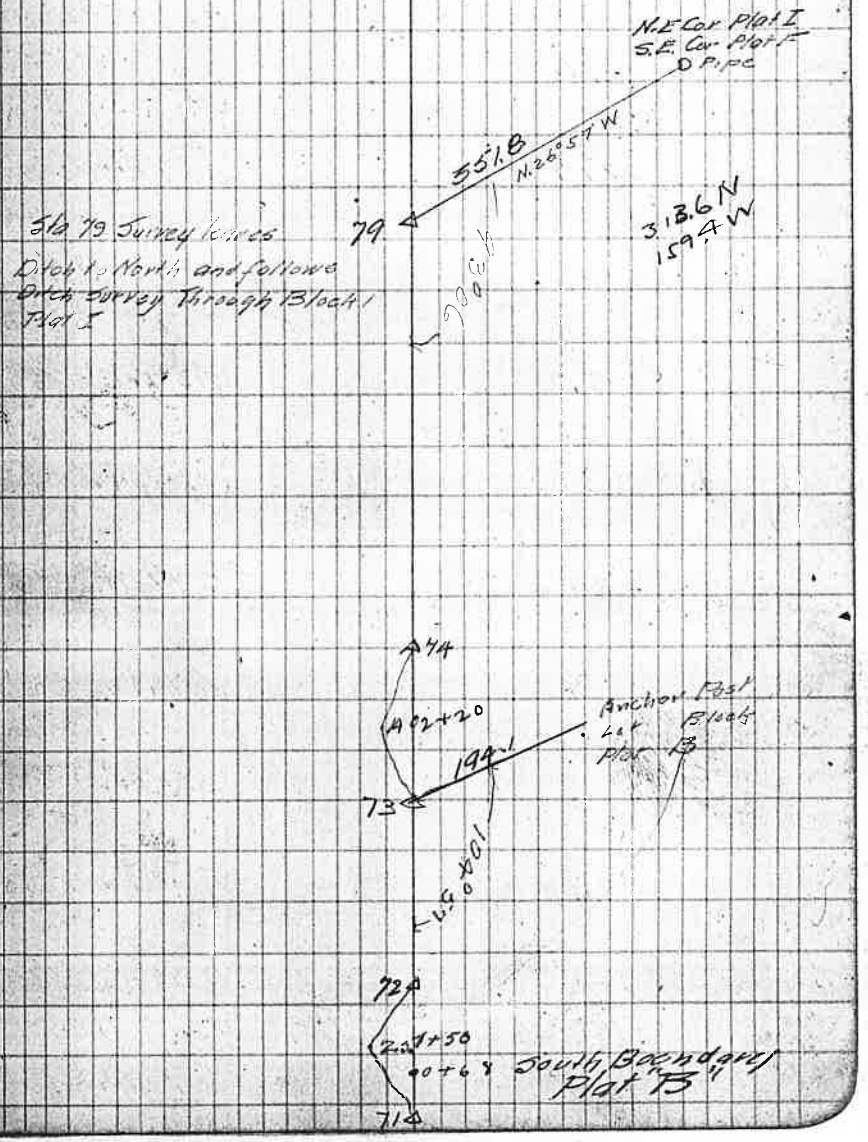
Traverse of "Plot F" Ditch

Sta.	Dist	Δ L	Δ R	C.C.	M.C.
				S29°53'W	S29°45'W
Δ70			34°49'		
	128.0			S4°36'E	S5°05'E
Δ69		50°31			
	198.0			S45°30'W	S45°20'W
Δ68		32°02'			
	235.4			S77°37'W	S77°30'W
Δ67		46°43'			
	443.6			N55°40'W	N55°35'W
Δ66		14°02'			
	107.6			N41°38'W	N41°50'W
Δ65			30°04'		
	1003.2			N71°43'W	N71°50'W
Δ64			28°12'		
	482.9			S80°05'W	S80°00'W
Δ63		25°55'			
	373.5'			N74°00'W	N73°40'W
Δ62			56°59'		
	153.0			S49°01'W	S48°55'W
Δ61		29°52'			
	120.0			S75°53'W	S79°00'W
Δ60			20°17		
	127.6			S58°36'W	S58°25'W
Δ59		16°19'			
	80.5'			S79°55'W	



Plat F Ditch

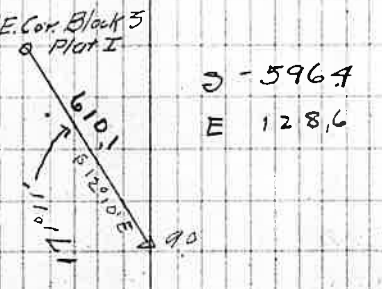
Sta	Dist	Δ L	Δ R.	C.C.	M.C.
Δ 83					
	148.5			S12°17'W.	S12°25'W
Δ 82		19°30'			
	115.5			S61°49'W	S62°00'W
Δ 81			56°30'		
	101.3			S5°19'W	S5°30'W
Δ 80		24°41'			
	197.2			S30°17'W	S30°30'W
Δ 79		35°52'			
	906.1			S66°09'W	S66°05'W
Δ 78			36°09'		
	401.3			S30°00'W	S30°15'W
Δ 77		20°34'			
	595.0			S50°34'W	S50°35'W
Δ 76		34°10'			
	320.3			S84°44'W	S84°40'W
Δ 75		21°46'			
	458.1			N73°20'W	N73°20'W
Δ 74			25°02'		
	257.3			S81°38'W	S81°45'W
Δ 73			5°28'		
	316.5			S76°10'W	S76°05'W
Δ 72			77°35'		
	788.1			S1°25'E	S1°25'E
Δ 71		31°18'			
	400.5			S29°53'W	



Plat F Ditch

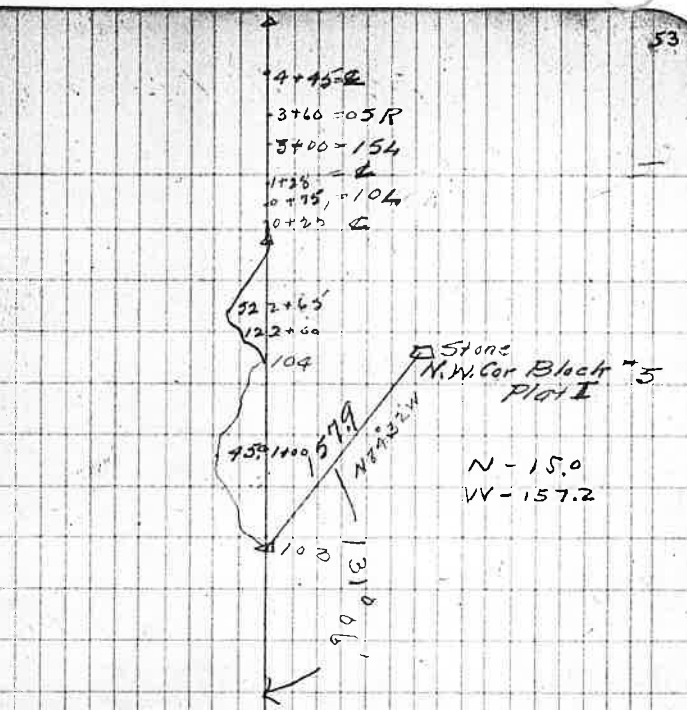
Sept 1, 1910

Sta.	Dist	Δ L	Δ R	C. C.	M. C.
	73.2			S39°06'W	S39°30'W
Δ94		15°01'			
	162.7			S54°07'W	S54°15'W
Δ93			9°56'		
	169.6			S44°11'W	S44°30'W
Δ92		23°09'			
	137.4			S67°20'W	S67°35'W
Δ91		31°10'			
	146.0			N81°30W	N81°35'W
Δ90			101°51'		
	149.3			S3°21'E	S3°00'E
Δ89		80°00'			
	165.3			S76°39'W	S76°35'W
Δ88			67°26'		
	100.1			S9°13'W	S9°20'W
Δ87		47°06'			
	121.9			S56°19'W	S56°35'W
Δ86		5°26'			
	120.4			S50°53'W	S50°35'W
Δ85			19°34'		
	128.7			S31°19'W	S31°35'W
Δ84		22°30'			
	174.5			S53°49'W	S54°05'W
Δ83			71°32'		
	149.8			S12°17W	



Plat F Ditch

Sta.	Dist	Δ L	Δ R	C.C.	M.C.
				S78°08'W	S77°35'W
Δ 106			22°25'		
	475.7			S53°13'W	S55°25'W
Δ 105		20°45'			
	382.7			S76°28'W	S75°40'W
Δ 104			12°35'		
	241.1			S63°53'W	S63°40W
Δ 103			17°19'		
	159.9			S46°34'W	S46°15'W
Δ 102		106°30'			
	142.8			N26°56'W	N26°50'W
Δ 101			80°16'		
	75.0			S72°48'W	S72°10'W
Δ 100			7°11'		
	303.5			S65°37'W	S65°25'W
Δ 99			38°14'		
	115.0			S27°23'W	S27°36'W
Δ 98		101°01'			
	123.5			N47°36'W	N47°30'W
Δ 97			75°02'		
	300.5			S57°22'W	S57°35'W
Δ 96		40°27'			
	100.7			N82°11'W	N82°15'W
Δ 95			58°43'		
	73.2				



Plat F Ditch

Sta.	Dist	∠	∠ P.	C.C.	M.C.
△116					
	10R.0			N33°45E	N33°10E
△115			35°56'		
	363.8			N2°11W	N2°55'W
△114			29°08'		
	513.7			N31°19'W	N31°35'W
△113			66°20'		
	420.4			S82°21'W	S81°50'W
△112			5°08'		
	237.2			S77°13'W	S76°38'W
△111			19°24'		
	418.7			S57°49'W	S57°00'W
△110		47°30			
	165.2			N74°51'W	N75°25'W
△109			2°53'		
	145.7			S76°12'W	S75°45'W
B108			11°39'		
	634.2			S64°53'W	S64°35'W
△107		13°15'			
	136.4		57.1 W	S78°08W	

About 1.0 South of △116
South Bdy Plat "F"

N80°18'W
Anchor West
1113
S.W. Cor. Lot 28
Plat "F"
△115
109.7 W
18.8 N
S5°10'E

△111
4+05 = ℄
3+00 = 25R
2+50 = ℄
2+00 = 5R
1+40 = ℄
1+25 = 25L
0+63 = ℄
0+20 = 27R
△110 =

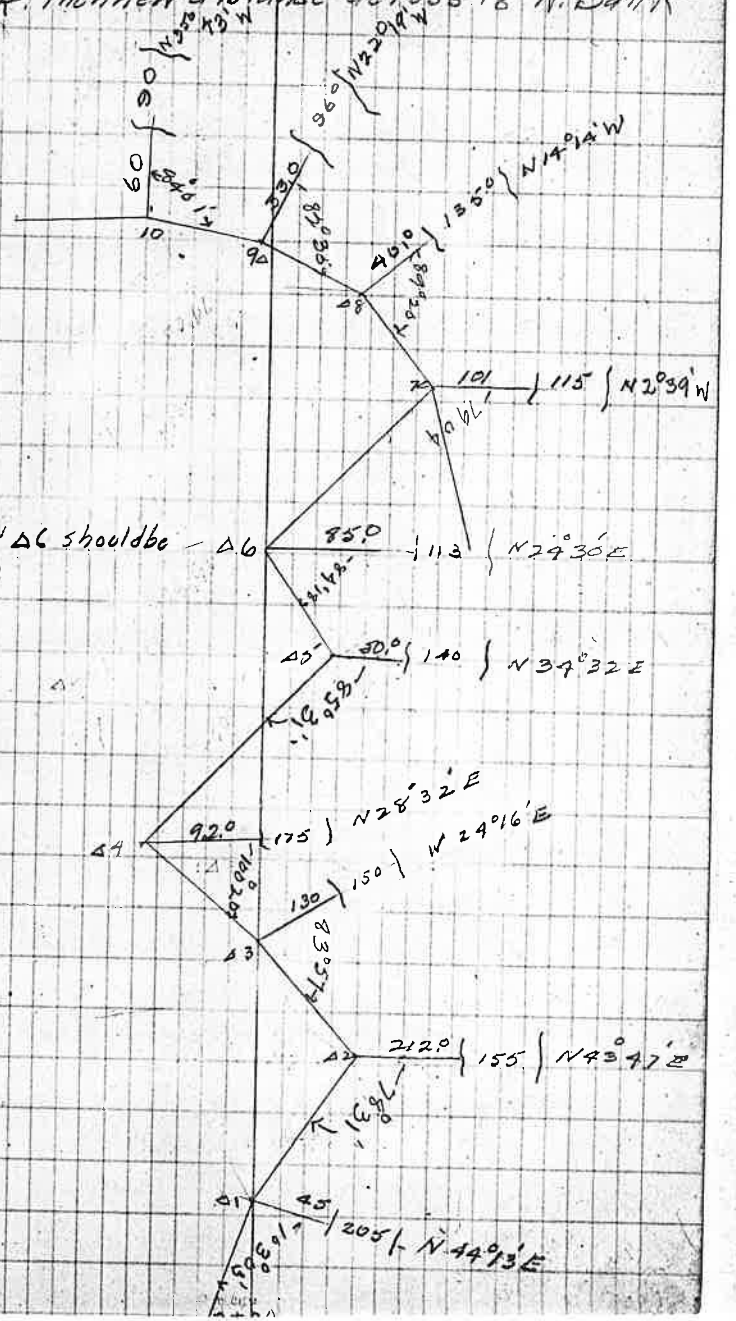
△109

△108
6+00 = Left Bank
5+00 = Right Bank
4+00 = ℄
3+00 = 20R
2+00 = 8R
1+00 = 5R
△107
1+15 = ℄
0+85 = 30L
0+50 ℄

△116
0+65 = 18R
△115
3+48 = ℄
3+00 = 18L
2+40 = 29L
2+00 = 20L
1+00 = ℄
△114
4+80 = ℄
4+48 = 20L
4+00 = 40L
3+45 = ℄
3+00 = Left Bank
2+25 = ℄
2+00 = 15L
1+55 = 25L
1+00 = 20L
0+33 = ℄
△113
1+00 = ℄
3+62 = 22L
2+70 = ℄
2+20 = 30L
1+55 = ℄
0+50 = 35R
△112
2+28 = ℄
1+95 = 35L
0+65 = 25R
△111

Sta.	Dist	ΔL	ΔR.	C.C.	M.C.

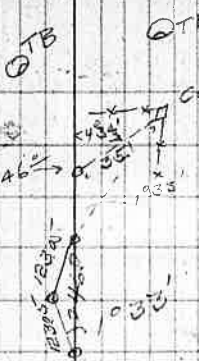
Offset from Road Traverse To Calapooia Creek, Distances to South Bank. Thennen distance across to N. Bank



Sta.	Dist	△ L.	△ R.	C.C.	M.C.
1+14		90°00'		East	
3763					
246°	1463.6				
250.8					
105.2				South	
		86°48'			
1+33.8	133.8	90° 03'		North	
		90°00'			
208.7	208.7			East	
1+184		90°00'			
208.7	208.7	90°00		South	
2+08.7					
1+609	208.71			West	
0+758		86°48'			
0+7.5	75.00			North	
81.9	20.10		93°12'	S 86°48' W	
765.0					
137.6					
0+0.0				South	
				South	

← Line to 1 Acre Lot (Sotley Survey)

Sotley 1 Acre Tract



Stake in roots of spreading white Oak. N.W. side.

3+83.9 — 201 — 0+0 = S.W. Cor. Lot 1 Blk. 4 Plat B

S.W. Cor Manning Place, North of County road

West Side Line C/L 51 =

Wed, Sept 29, 10.
Fair, Moderate.

Sta	Dist	ΔL	ΔR	CC	MC

Richardson ↑
Ruhner HC
Rice RC
Bruce Axe
West Flag

Abandoned

80 2
1694
177.0
160.2
394.2
379.7
188 1
125.2
300'0

East.

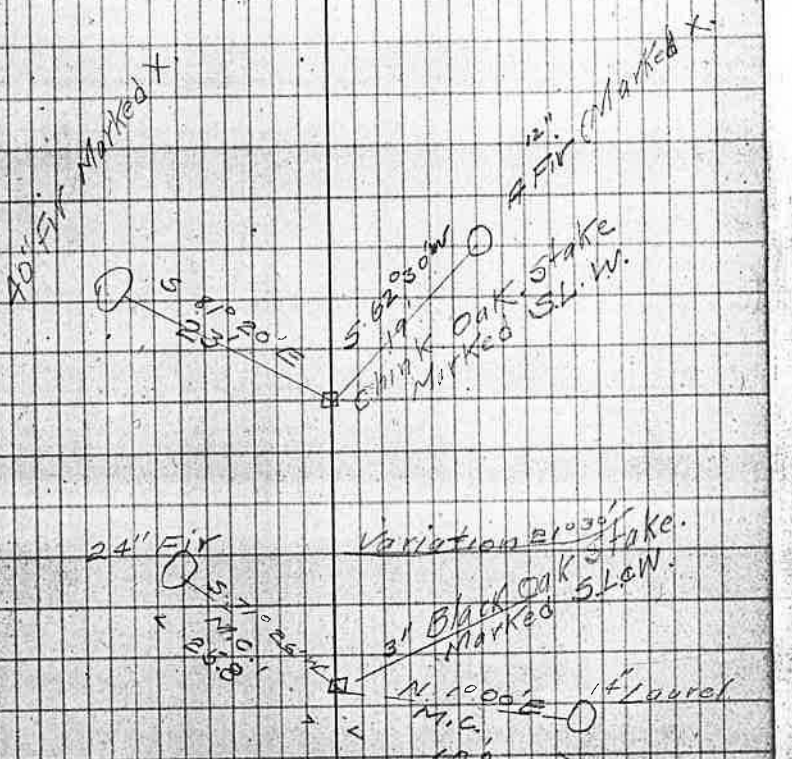
205
80 e
2° 42'
2° 42'
North
428.6
89°04"
4.00" chored Fir.
Marked by X & B.T.
87°46'
5' chored Stump.
S 14.0
East
8" Mount Laurel
Marked by X and
B.T.
30' Oak
Marked by Cross
and B.T.
53° 56'
172.0

Thursday - Sept. 30, 10.
Fair - Moderate.

West Line of
Tracts S. & W. of Cl. 41, Twp 25S. R 4 W.

Sta.	Dist	ΔL	ΔR	C.C.	M.C.
				Richardson	⊼
				Rutner	H.C.
				Rite	R.C.
				West	Flag
				Bruce	Axe
△	Stake		S.W. Cor.		
2	485.0			50° 30' E	50° 2' E
1	283.9			50° 30' E	50° 2' E
△ N.W. Cor.	0.0	90° 00			
1	57.8			S 89° 30' W	S 89° 35' W
			0° 4"		
S.W. Cor. Clm 41				N 89° 26' E	

With Sta. 2+38.9



Sta	Dist	ΔL	ΔR.	C.C.	MC
					East Line of Cl. 41 Twp 25 S. R. 4 W.

Sat. Oct. 1, 10.
Fair Moderate.

Sta.	Dist	Δ L	Δ R	C.C	M.C.
4+31.2					
					S 86° 15' E
3+22.7					
		90°00'		East	S 86° 30' E
14+63.6	S.W. Cor.				
				South	S 2° 10' W
13+95.8					
				South	S 2° 30' W
11+43.7					
				South	S 2° 40' W
9+85.1					S 1° 15' E
0 set.	123° 05'			S 1° 01' W	S 2° 30' W
	123° 01'			S 88° 29' E	S 1° 35' E
7+39.1				South	S 0° 40' W
4+88.3				South	S 0° 30' W
3+83.1				South	S 1° 40' W
3+01.3				South	S 1° 30' W
1+36.6					
0.0				South	S 1° 20' W

Richardson π
West HC.
Rice RC.
Bruce Ax
McCloskey
Kelly Rod.

B.T. 6" A Laurel which bears S 8° 00' E 37.8
24" Black Oak bears S 50° 00' W 12.0

14+63.6
S.W. Cor.
3" B. Oak post

Old Corner (Oak post)
Sta. 10+20
21'

Abandoned.

Pipe on tang with

Sta.	Dist	ΔL	ΔR.	CC	MC

Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
3+76.0 (Vertex of 1st Δ for Offset)					
		92°18'		N2°18'W	N1°00'W
6+14.1					
	(vert Δ 45°36')			East	S 85°00E
4+46.0					
				East	S88°30E
3+18.6					
				East	S88°00E
14+63.6					
				South	S 0°30W
12+65.6					
				South	S89°30W
9+85.1					
Offset				S86°58'W	S87°00W
7+39.1				S88°29'E	S89°00W
				South	S1°00W
4+88.3					
				South	S1°00W
2+81.3					
				South	S1°30W
3+01.3					
				South	S1°00W
1+36.6					
				South	S1°00W
0.0					

BT. 6+14 — a 36" chained Fir bears @ on N°18°30'W; a 36" chained Stump (29") bears N50°30'E

S.E. Cor Satley Tract

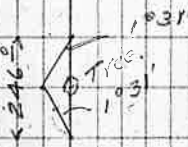
3" Oak Stake.

Bearing Trees: A 8" Laurel which bears 43' on S 55°00'E; A 30" Oak which bears 36' on S79°00'W.

14+63.6

S.W. Cor Satley Tract.

3" Oak Post



Wed. Oct. 5, 10. Fair.
Richardson
West H.C.
Rice R.C.
Petty Rod
More ax
Bruce

S.W. Cor Lot 7 & 8 Plat E produced South

Sta.	Dist	ΔL	ΔR	CC.	M.C.
13+74.4					
		0° 04'		N0° 04'W	N1°30'W
10+65.4					
				North	N1°00'W
8+53.9					
		2°18'		North	N1°30'W
7+51.4			(4°36'	N2°18'E	N1°30'W

To Anchor Post.

7+52 (Pooling)

Sta.	Dist	ΔL	ΔR	CC	MC.

Development Road Traverse thro Deardorf Place Oakland Oreg.

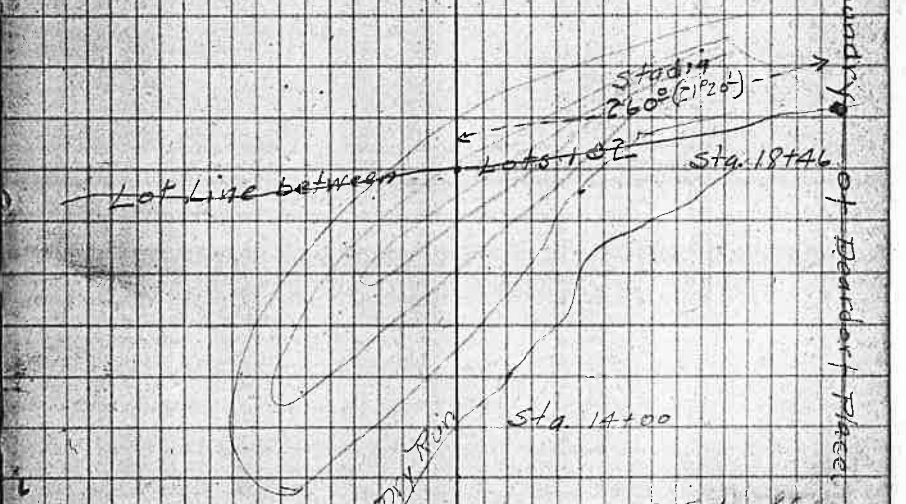
Sta.	Dist.	ΔL.	ΔR.	C.C.	MC.
	733.-			N44°50'E	
	155.-			N71°45'E	
	223.-			S1°45'E	
23+94.2					
	181.6			N54°13'W	N54°W
22+12.6			86°03'		
	100.-			S39°46'W	S40°W
21+12.6			9°23		
	217.6			S30°23'W	S30°30'W
18+95.		78°50'			
	95.-			N70°47'W	N70°50'W
18+00		29°11			
	100.-			N41°36'W	N41°36'W
17+00					
	400.-			N41°36'W	N41°36'W
13+00		41°36'			
	1300.-			North	North
Sta 0=					

Lot Sta K between 2-3
North Side of Road.

69

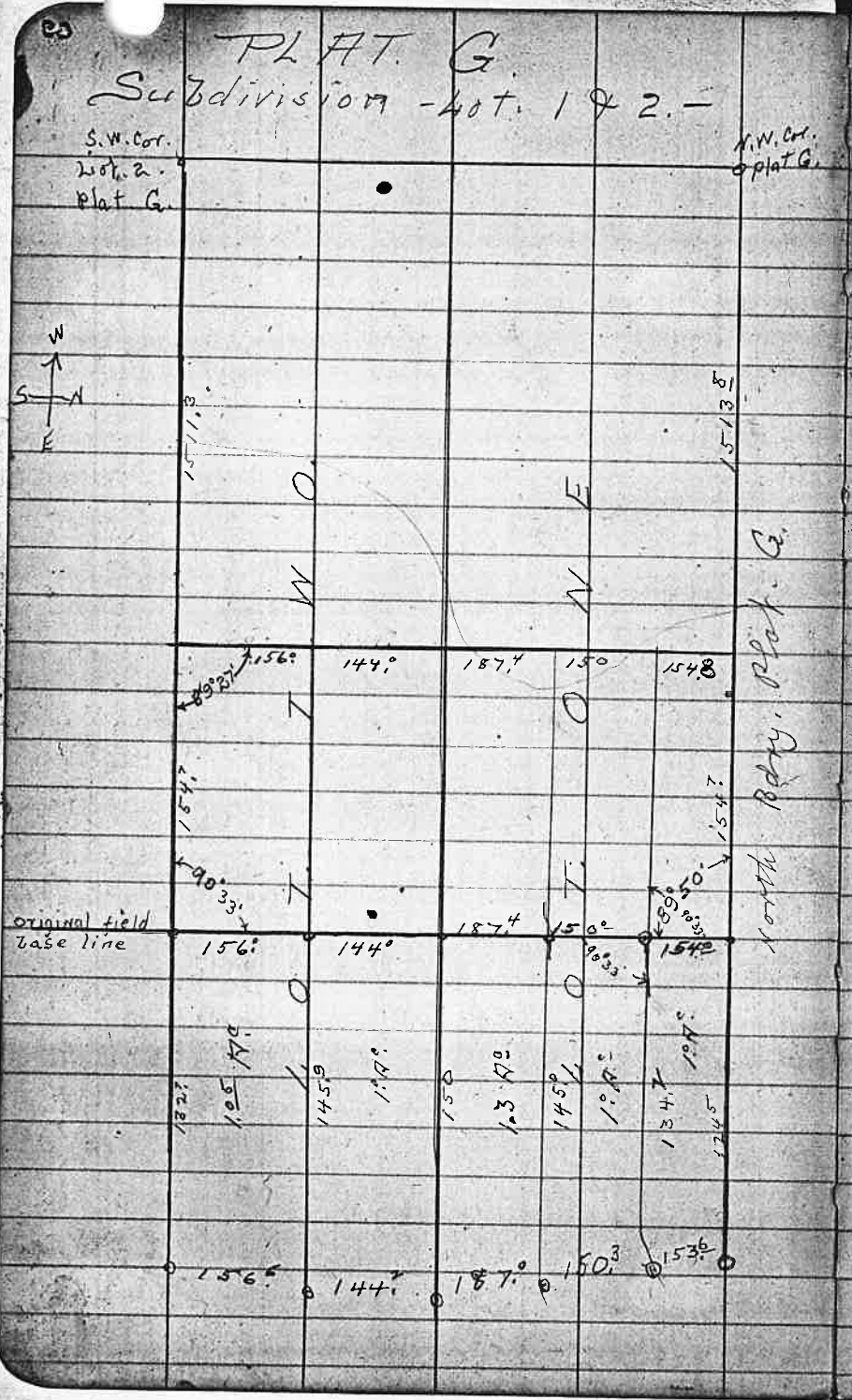
℄ Road Traverse.

Faint in W. Fence Line of Property.



PLAT G.

Subdivision - Lot. 1 & 2. -



— 3-30-12 —

Strong
Bower
Racy
Morgan

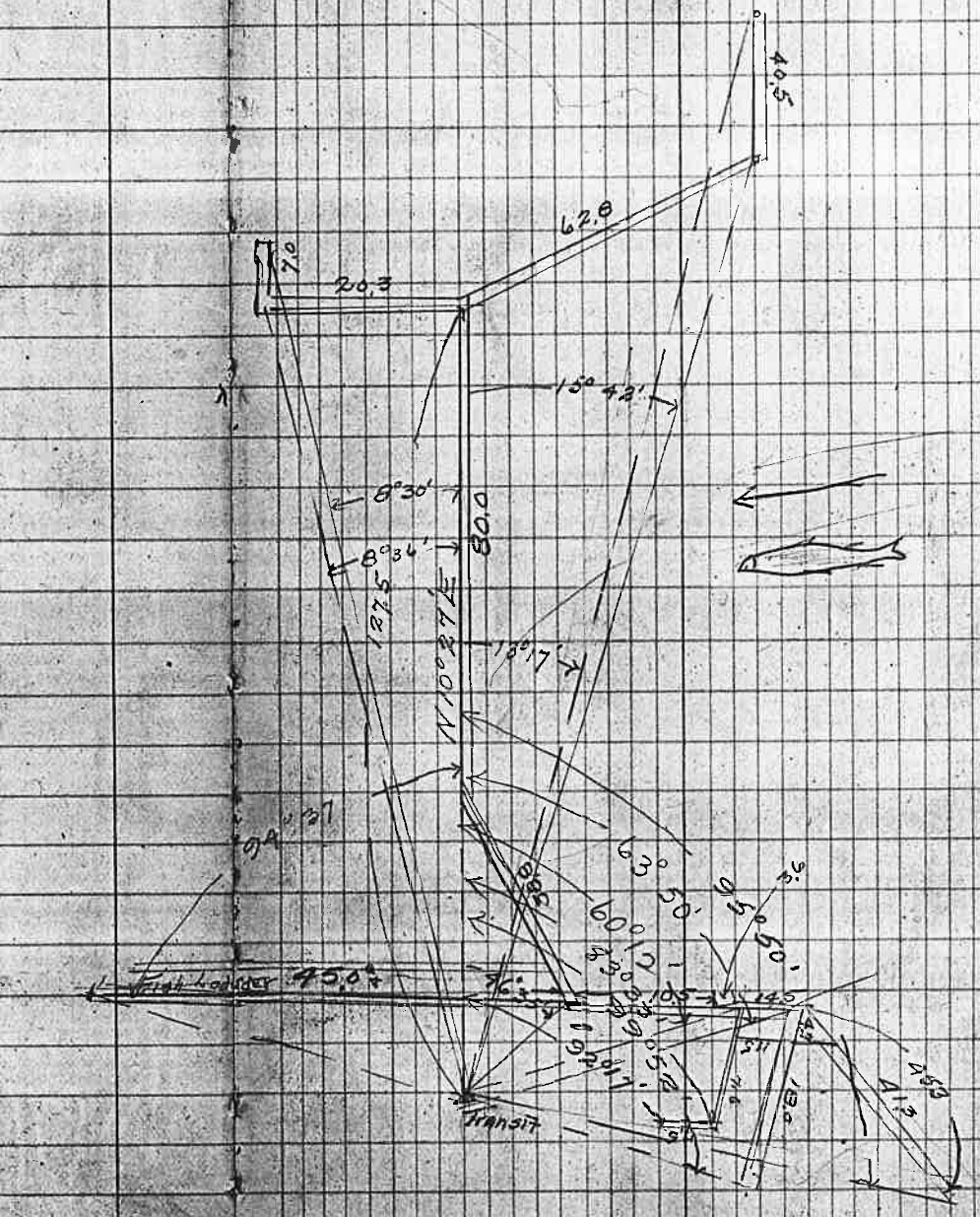
Field Book No. 86

Pages 70 -74 Blank

Aug 26 1910 75

Sketch of Dam

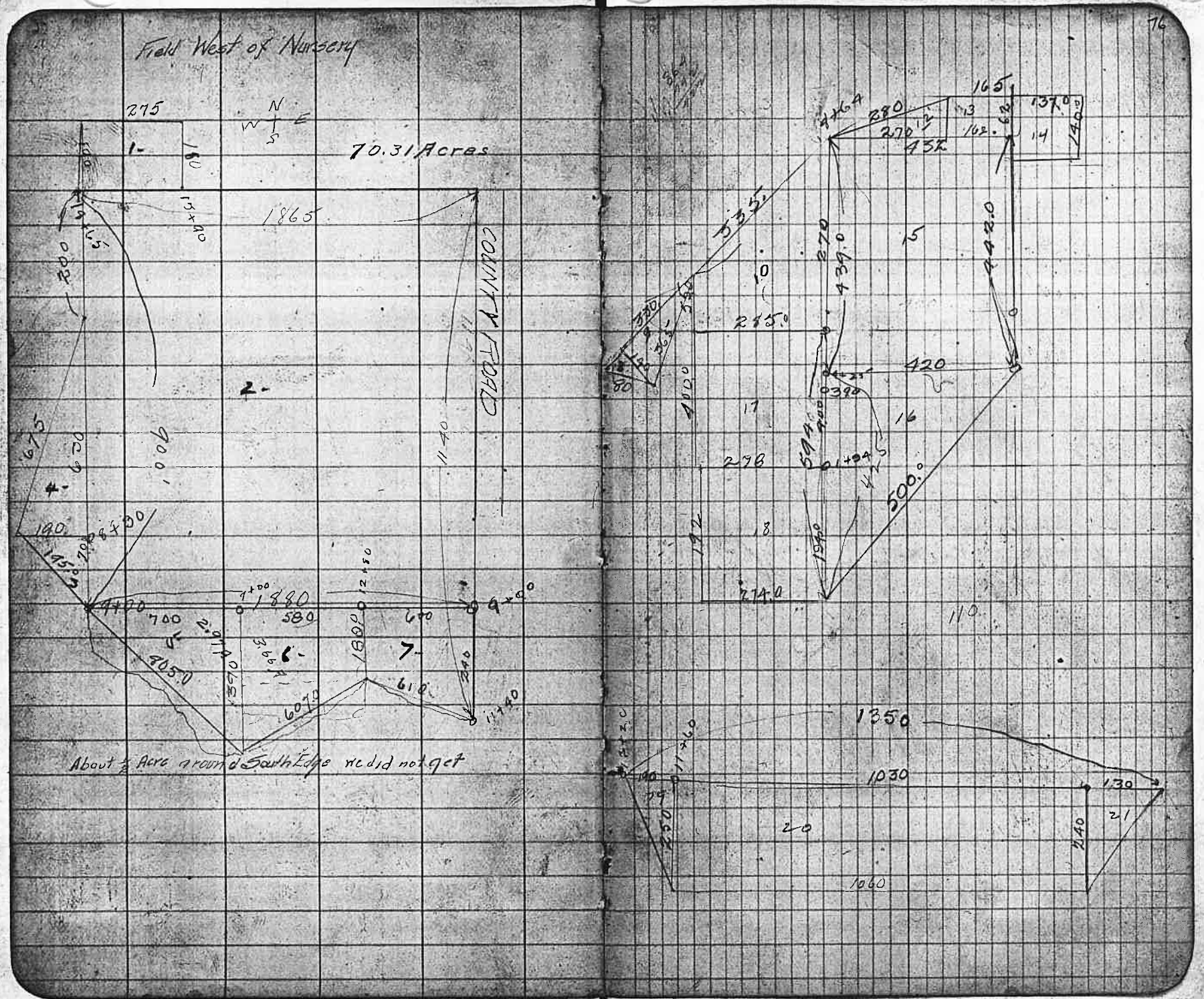
Not drawn to Scale



c.f.s. = 0.705 NOW.

5180

1400


Field West of Nursery
70.31 Acres
COUNTY ROAD
1865
1880
580
600
700
405.0
607.0
1800
612
340
1140
1100
1350
1030
1060
1340
1320
1540
1540
1540

Stg.	Dist	AL	DP	CS	MC
	Interior	Angle	S.W. Cor		
	Vanderkloots	3 Acre	Tract =	67°30'	
		Stacks S.E. Cor			
		210' North to Ditch			
		220 West to Ditch			
Lot 283			~~14°52'~~		
	351.7		19°52'		
Hub		3°49°			
	2634				
Lot 485		3+			
	386.8		79°23		
0+00					

24' Centre of Creek
24' Centre of Creek
Lot 384 27 ft S.E. could not set up on acct of Anchor Post
19' Centre of Creek
35' Centre of Creek
Set S.W. Cor Lot 385 on line of Rear Plat C
took course from fence line

Cross in Bedrock
Set Van's N.E. Cor. New Tract
from which bears
and

Table IV.—Minutes in Decimals of a Degree.

1	.0167	11	.1833	21	.3500	31	.5167	41	.6833		
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000		
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
0	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

Table V.—Inches in Decimals of a Foot.

1-16	3-32	1/8	3-16	1/4	5-16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0365	.0417	.0469	.0521	.0573	.0625	.0677	.0729	.0781

1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

Table VI.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid. Ord.	Tan Def.	Chd. Def.	Def. for 1 Foot	Deg.	Radius	Mid. Ord.	Tan Def.	Chd. Def.	Def. for 1 Foot
0° 10′	34377.7	.036	.0145	.291	0.05	1°	819.0	1.528	6.105	12.21	2.10′
20	17189.6	.073	.0291	.582	0.10	20′	781.8	1.600	6.395	12.79	2.20
30	11459.2	.109	.0436	.873	0.15	30	764.5	1.637	6.540	13.08	2.25
40	8594.4	.145	.0582	1.164	0.20	40	747.9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	8	716.8	1.746	6.976	13.95	2.40
	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674.7	1 855	7.411	14.82	2.55
20	4297.3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1.309	2.618	0.45	9	637.3	1.965	7.846	15.69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2 037	8.136	16.27	2.80
50	3125 4	.400	1.600	3.200	0.55	30	603.8	2.074	8.281	16.56	2.85
	2864 9	.436	1.745	3.490	0.60	40	593.4	2.110	8.426	16 85	2.90
10	2644.6	.473	1.891	3.781	0.65	10	573.7	2.183	8.716	17.43	3.00
20	2455.7	.509	2.036	4.072	0.70	30	546.4	2.292	9.150	18.30	3.15
30	2292.0	.545	2.181	4.363	0.75	11	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2 511	10.02	20.04	3.45
50	2022.4	.618	2.472	4.945	0.85	12	478.3	2.620	10.45	20.91	3.60
	1910.1	.655	2.618	5.235	0 90	30	459 3	2.730	10.89	21.77	3.75
10	1809.6	.691	2.763	5.526	0.95	13	441.7	2.839	11 32	22.64	3.90
20	1719.1	.727	2.908	5.817	1.00	30	425.4	2.949	11.75	23.51	4.05
30	1637.3	.764	3.054	6.108	1.05	14	410 3	3.058	12.18	24.37	4.20
40	1562.9	.800	3.199	6.398	1.10	30	396 2	3.168	12.62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	15	383.1	3.277	13.05	26.11	4.50
	1432.7	.873	3.490	6.980	1.20	30	370 8	3.387	13.49	26.97	4.65
10	1375.4	.909	3.635	7.271	1.25	16	359.3	3.496	13.92	27.84	4.80
20	1322.5	.945	3.718	7.561	1.30	30	348.5	3.606	14 35	28 70	4 95
30	1273.6	.982	3.920	7.852	1.35	17	338 3	3 716	14.78	29.56	5.10
40	1228.1	1.018	4.071	8.143	1.40	18	319 6	3.935	15 64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	19	302 9	4.155	16 51	33.01	5.70
	1146.3	1.091	4.362	8.724	1 50	20	287.9	4.374	17.37	34.73	6.00
10	1109.3	1.127	4.507	9.014	1.55	21	274.4	4.594	18.22	36.44	6.30
20	1074.7	1.164	4.653	9.305	1.60	22	262 0	4.814	19 08	38.16	6.60
30	1042.1	1.200	4.798	9.596	1.65	23	250.8	5 035	19.94	39 87	6.90
40	1011.5	1.237	4.943	9.886	1 70	24	240.5	5.255	20 79	41.58	7.20
50	982.6	1.273	5.088	10.18	1.75	25	231.0	5.476	21 64	43.28	7.50
	955.4	1.309	5.234	10.47	1.80	26	222.3	5.697	22.50	44.99	7.80
10	929.8	1.346	5.379	10.76	1.85	27	214.2	5.918	23.35	46.69	8.10
20	905.1	1.382	5.524	11 05	1 90	28	206 7	6.139	24.19	48.38	8.40
30	881.9	1.418	5.669	11.34	1 95	29	199 7	6.360	25.04	50.07	8.70
40	859.9	1.455	5.814	11.63	2.00	30	193.2	6.583	25.88	51.76	9.00