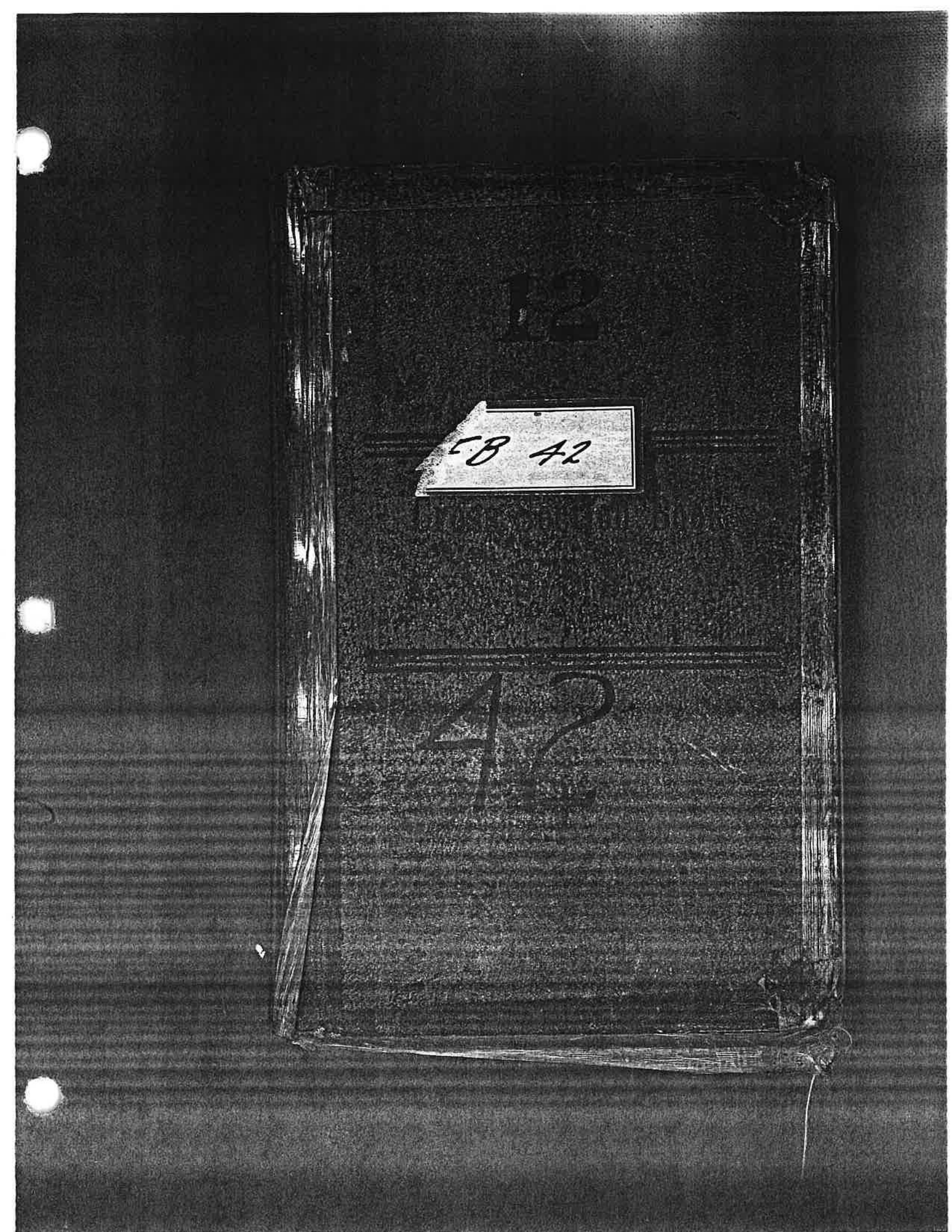
Field Book # 42


12
EB 42
42

KEUFFEL & ESSER CO.
DRAWING MATERIALS
AND
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NEW YORK.
CHICAGO. SAN FRANCISCO. ST. LOUIS.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

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

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

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

43
~~42° 54'~~
42° 59'

293.46
180
113.46

N.B. All Private Surveys indexed, Jan 10 '18

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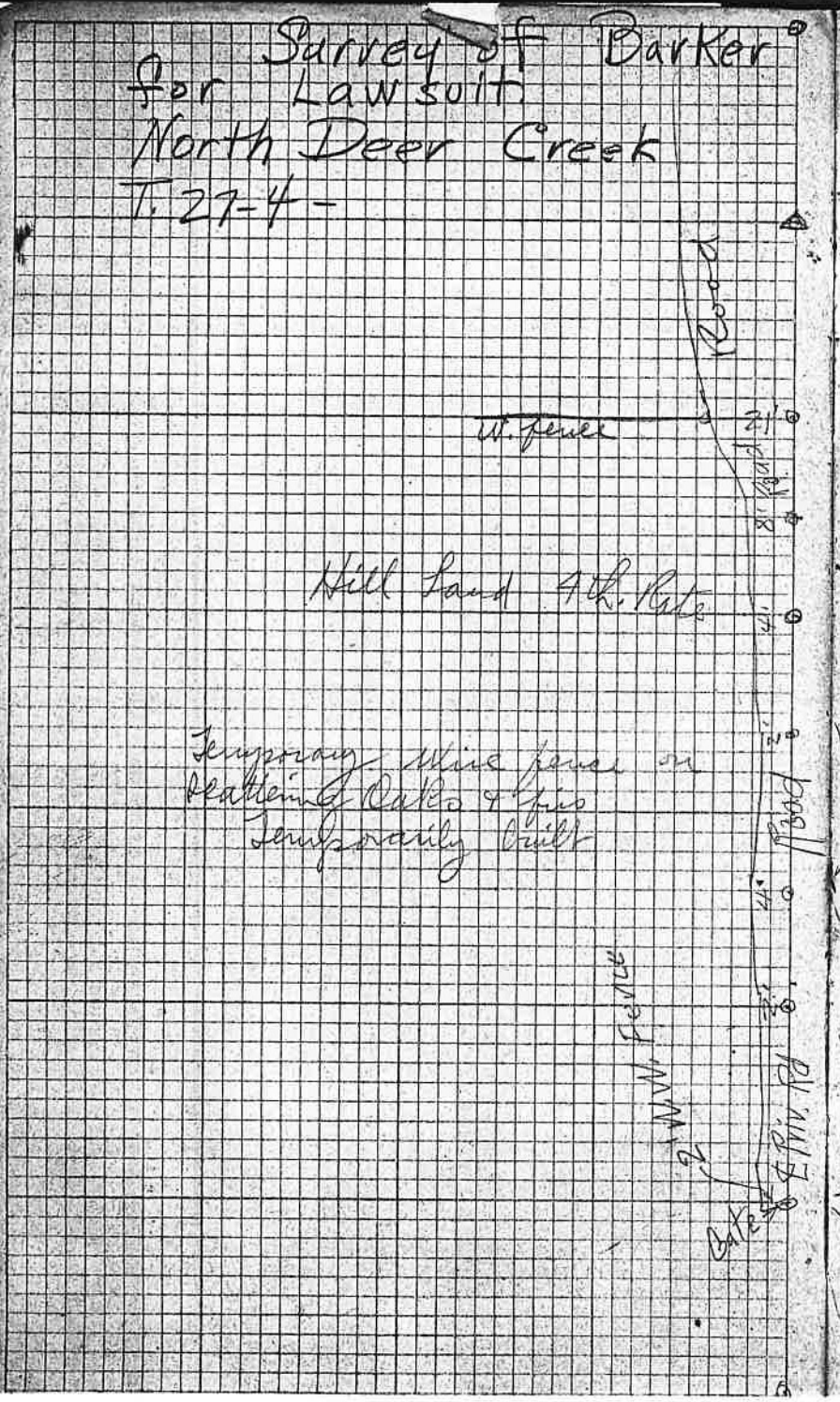
Survey of Barker Place

for Lawsuit

North Deer Creek

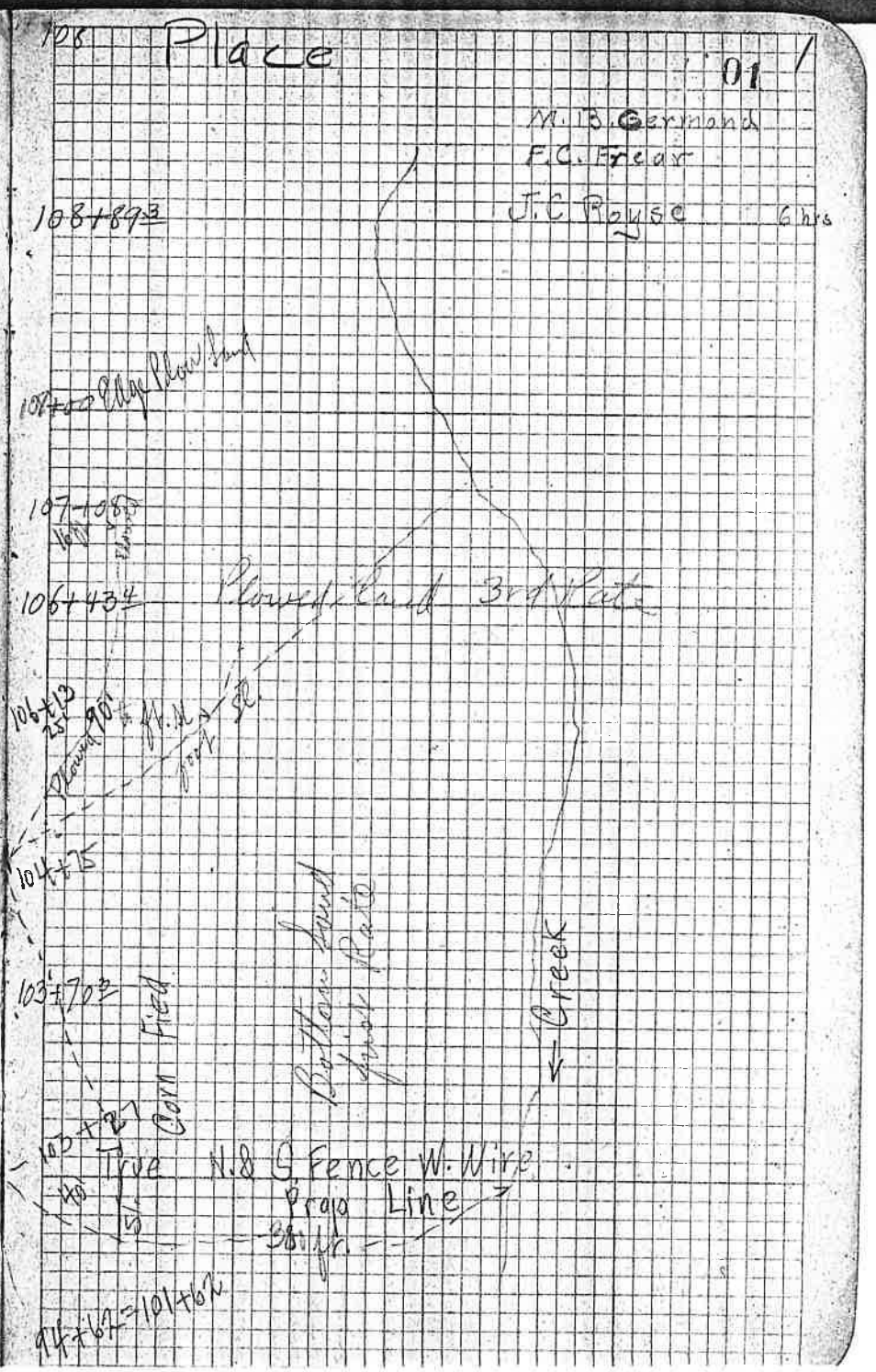
T. 27-4-



108

101

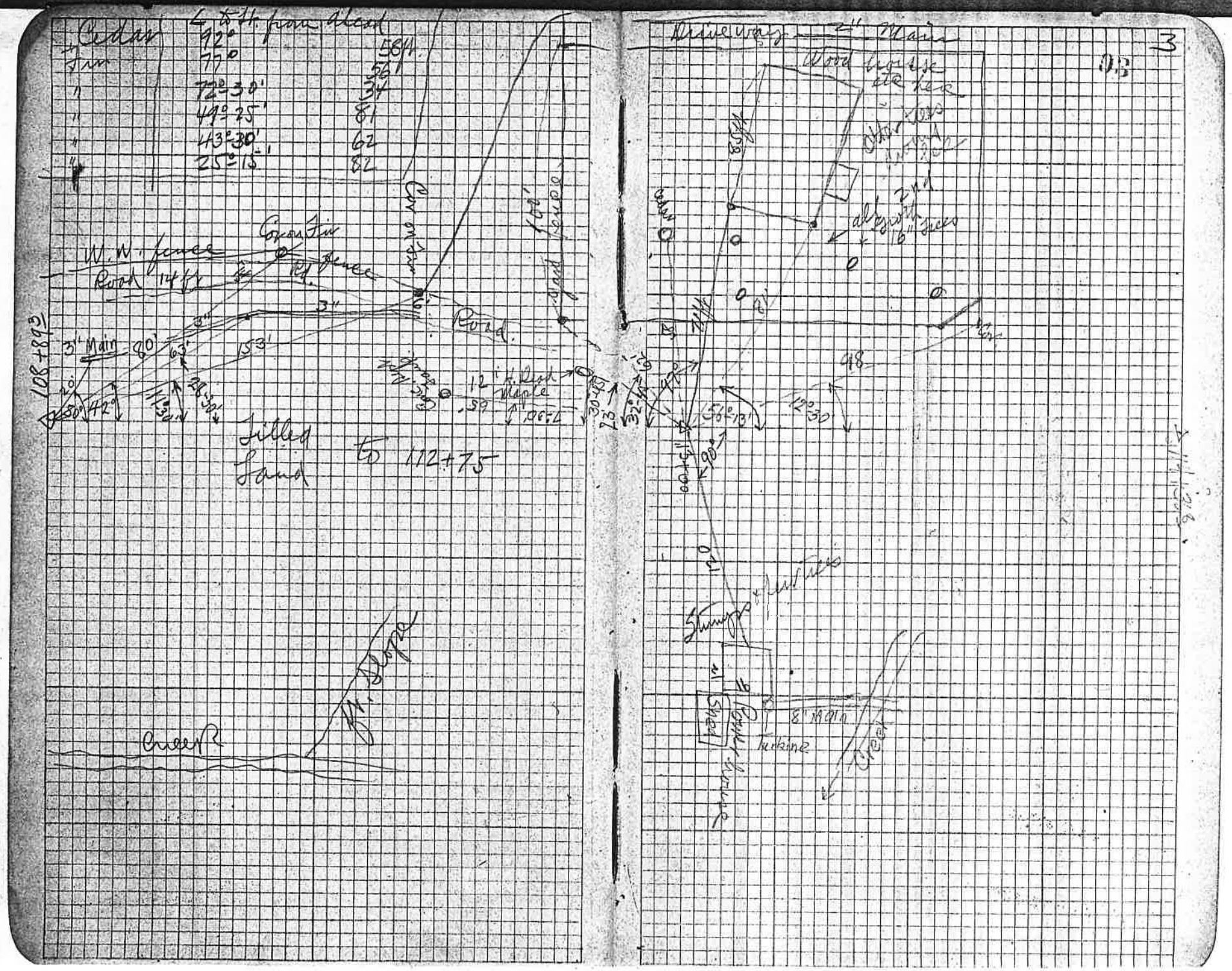
M. B. Germond
F. C. Frear
J. C Royse 6 hrs



Survey on North Deer Creek

R. S. Barker

Chicken House
Cherry
Apple
Apple
Apple


Cedars
4 to 11 from Head
92°
77°
72°-30'
49°-25'
43°-30'
25°-15'
56 ft.
56
34
81
62
82
W. W. fence
Road 14 ft
Cedar fence
Rd. fence
3"
Road
3" Main
80'
63'
153'
108+893
Filled
Sand
to 112+75
Creek
W. Bldg
Drive Way
2" Main
Wood
Shop
Garage
Turbine
Stream
8" Main
Tailrace
48
12" Black Maple
.06 ft
.59
.30
.23
.32
.13
.90
.12
.10
.15
.18
.13
.08
.07
.05
.04
.03
.02
.01
.00
.09
.08
.07
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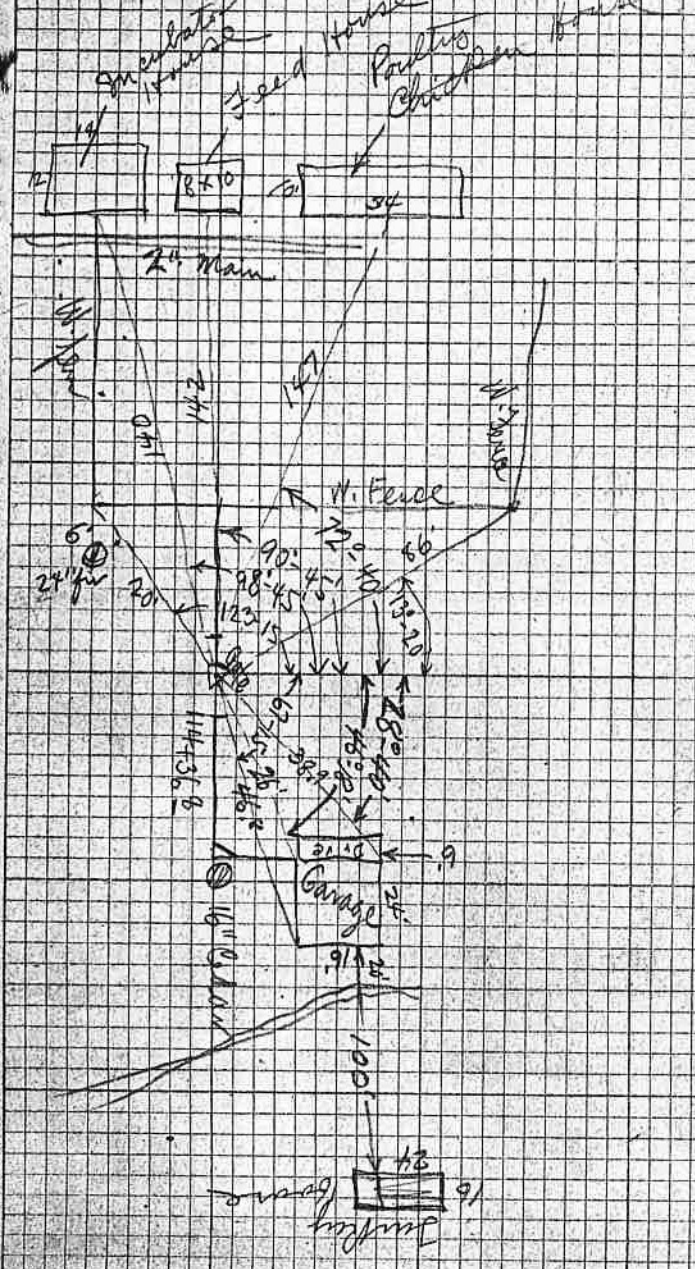
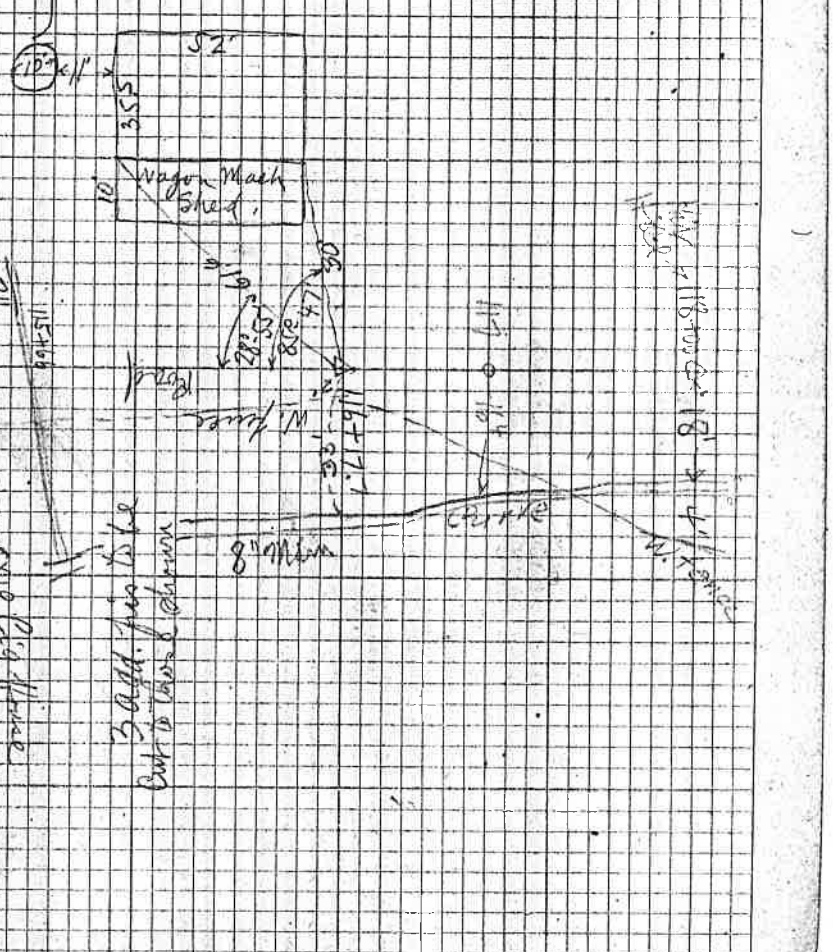
R.S. Barker Survey

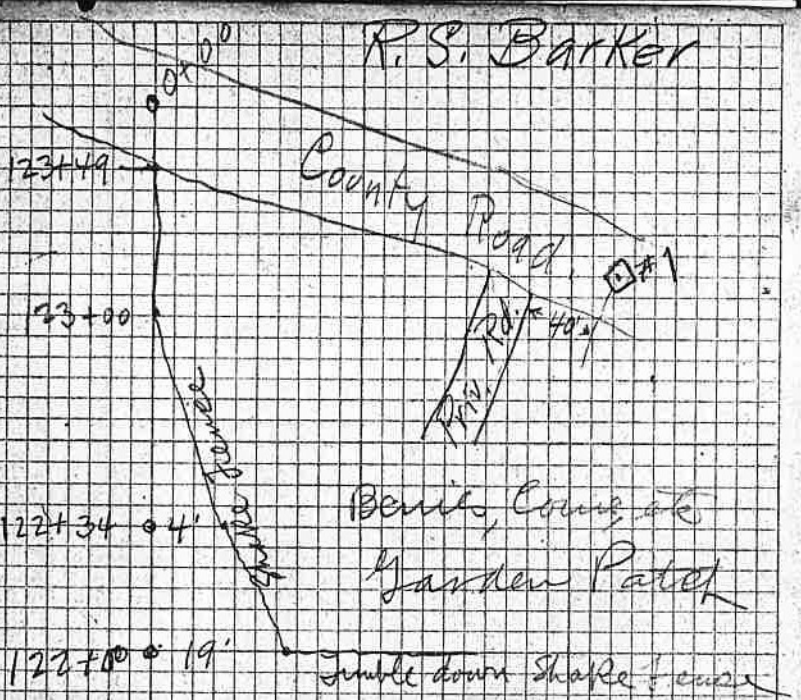


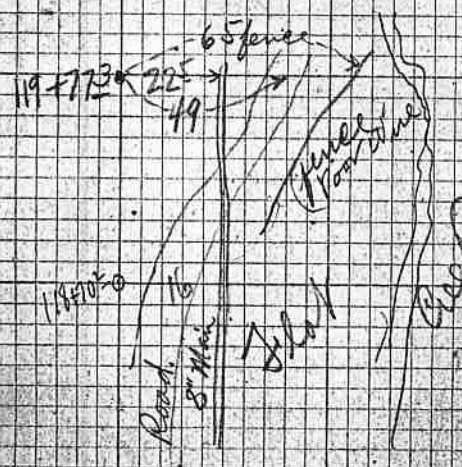
T. 27 - 4 - Sec. 21

Sh 4



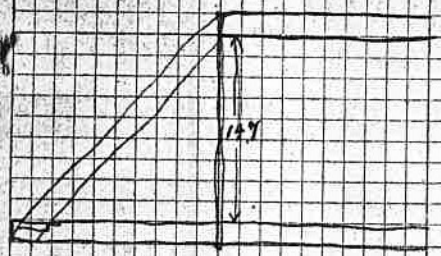
R. S. Barker



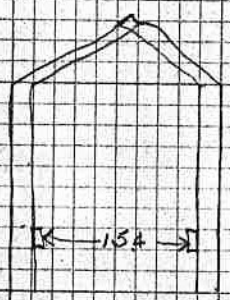


Sta.	Dist.	Needle
	413 ±	S 71-45 W
	465	S 63-40 W
	390.0	S 65° W
	740 ±	S 82-15 W
	327.5	S 24-50 W
	265 ±	S 11-45 E
123+70	= 0+00	

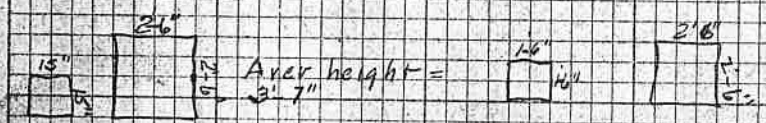
Measurement of Elk Bridge. Curtis Creek - Billy Creek Gardner - Contractor.



Camber of Bridge = 3"



4 of each



4" x 4" Posts in railing
4" x 6" Hub Guards

Rt hand Knee Brace on N. Portal Defective

No sways on approach bents

Mallet bents

Short ½ of hub Guards droppt

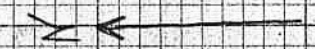
Floor Planks spaced at least ¾"

Roof Leaks at saddle boards

Survey For Harry Pargeter

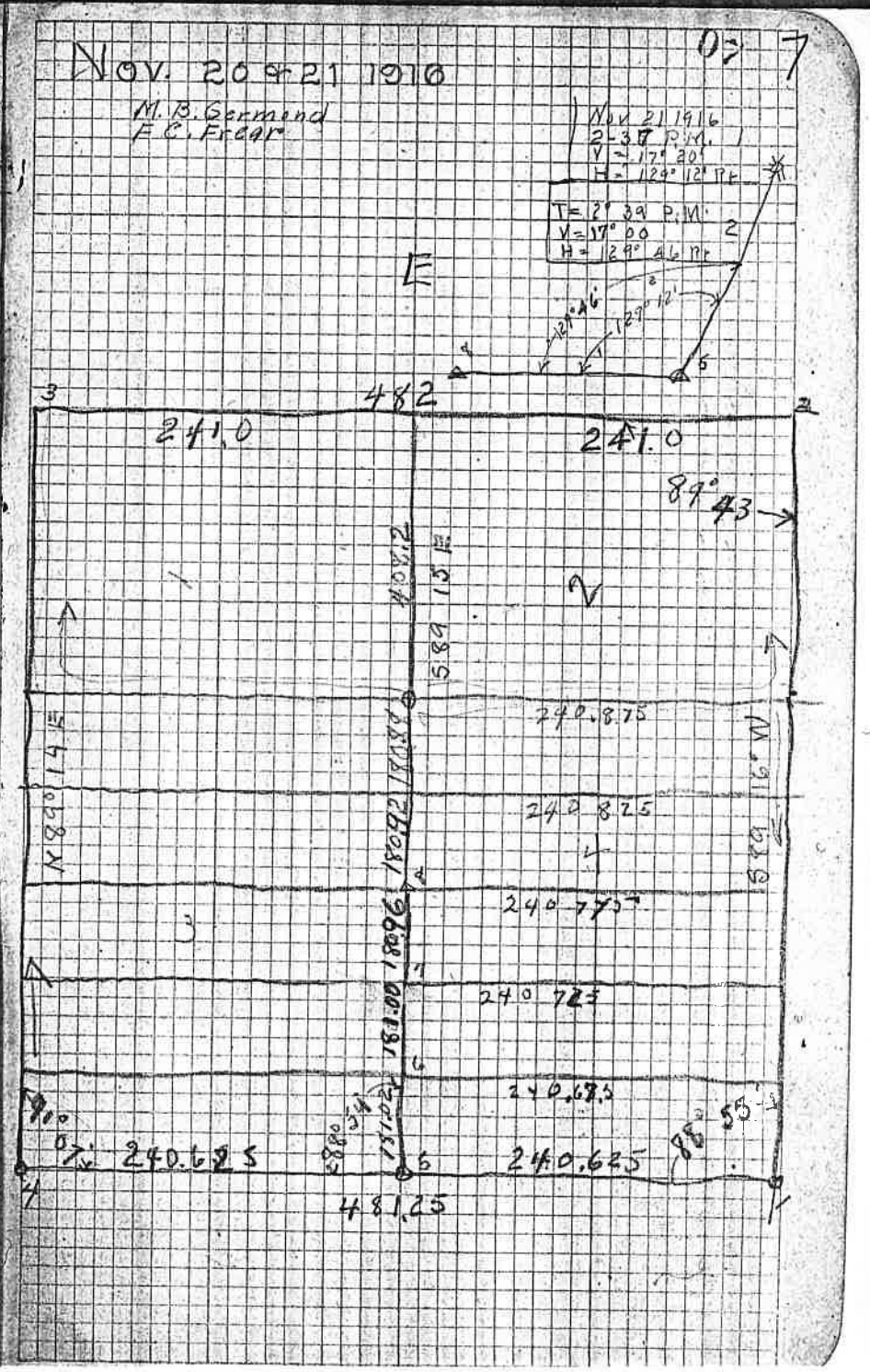
T. 27-5

Began survey at Δ-1 which is a ½" x 18" pipe. Turn angle bet Δ-2 & Δ-4 or 88° 55'. Chained Dist bet Δ-1 & Δ-4 or 481.25 at Midpoint or 240.625 set in Δ-5



Nov. 20 & 21 1916

M. B. Germond
F. C. Frear



Masonic Survey for

		578	49916		493.38
1	0+00			7.04	492.12
2	0+00			8.93	490 83
3	0+57			6.80	492.36
4	0+69			6.50	492.66
5	0+87			5.64	493.62
6	1+05			6.07	493.09
7	1+17			6.04	493.12
8				5.49	493.67
9				2.43	496.73
10	1+87			0.48	498 68
				1.88	497.28
					492.27
					485.27
					484 59

Est. on B. W. Bates Work

26

8

08

In doorway top of Floor Marsters Bldg

On pave 12 ft directly south in gutter

In gut. on w. prop. line of Jackson

" " " W curb "

℄ of Jack

In gut on E curb prop line

" " " E prop "

On top of floor R & R Rice office

In gut. opp Mason Ent.

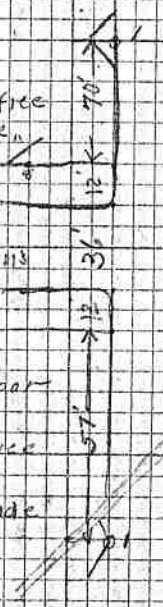
On Top of floor at Masons Entrance

Bot of Joist on Bates floor

Bot of Joists Rice's Floor

Basement surface Rice floor

Top of 2 ft sewer at inside edge of Marsters wall

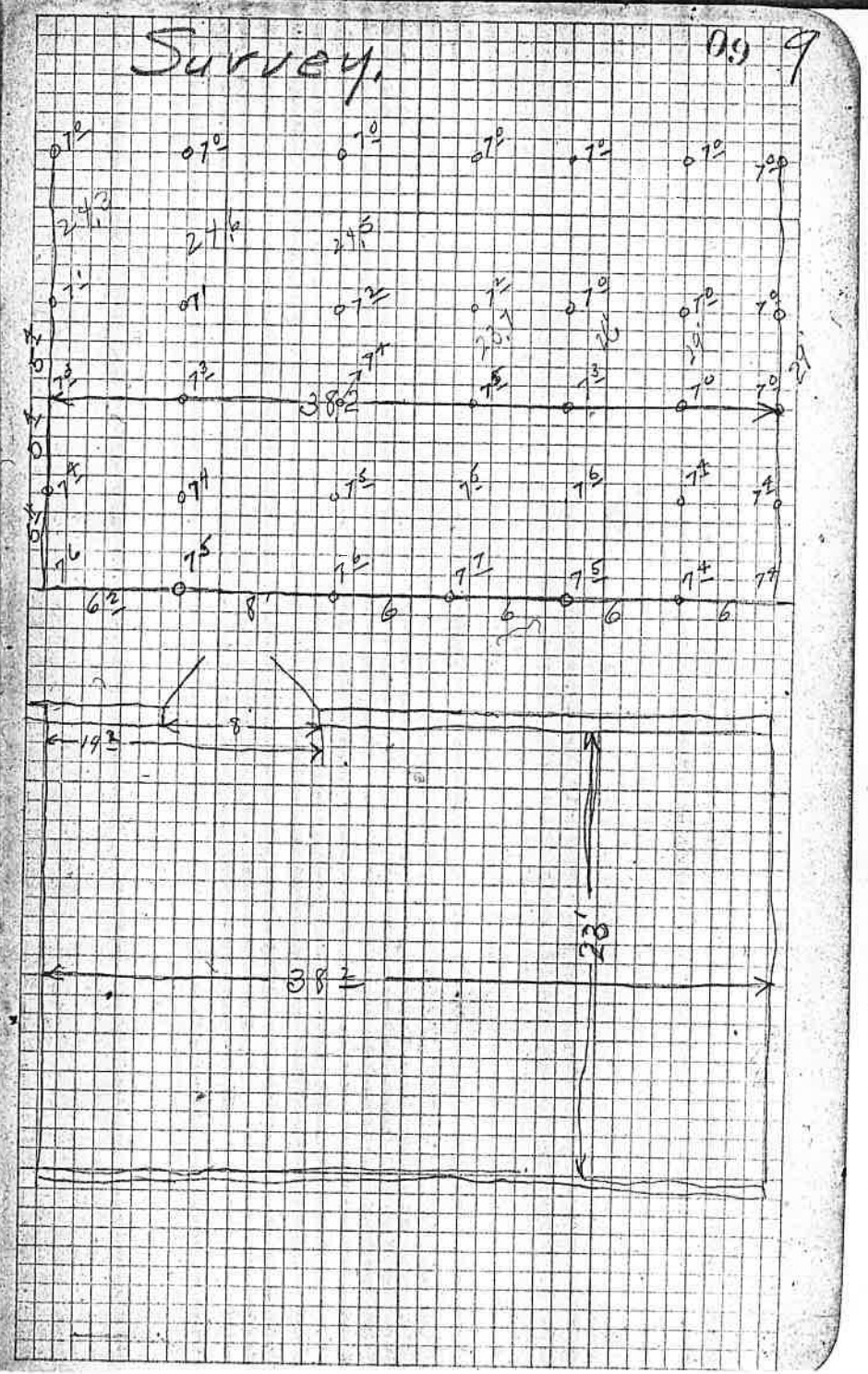


.94 drop in Floors

840 from top of Floor on R&R to bot of Basement

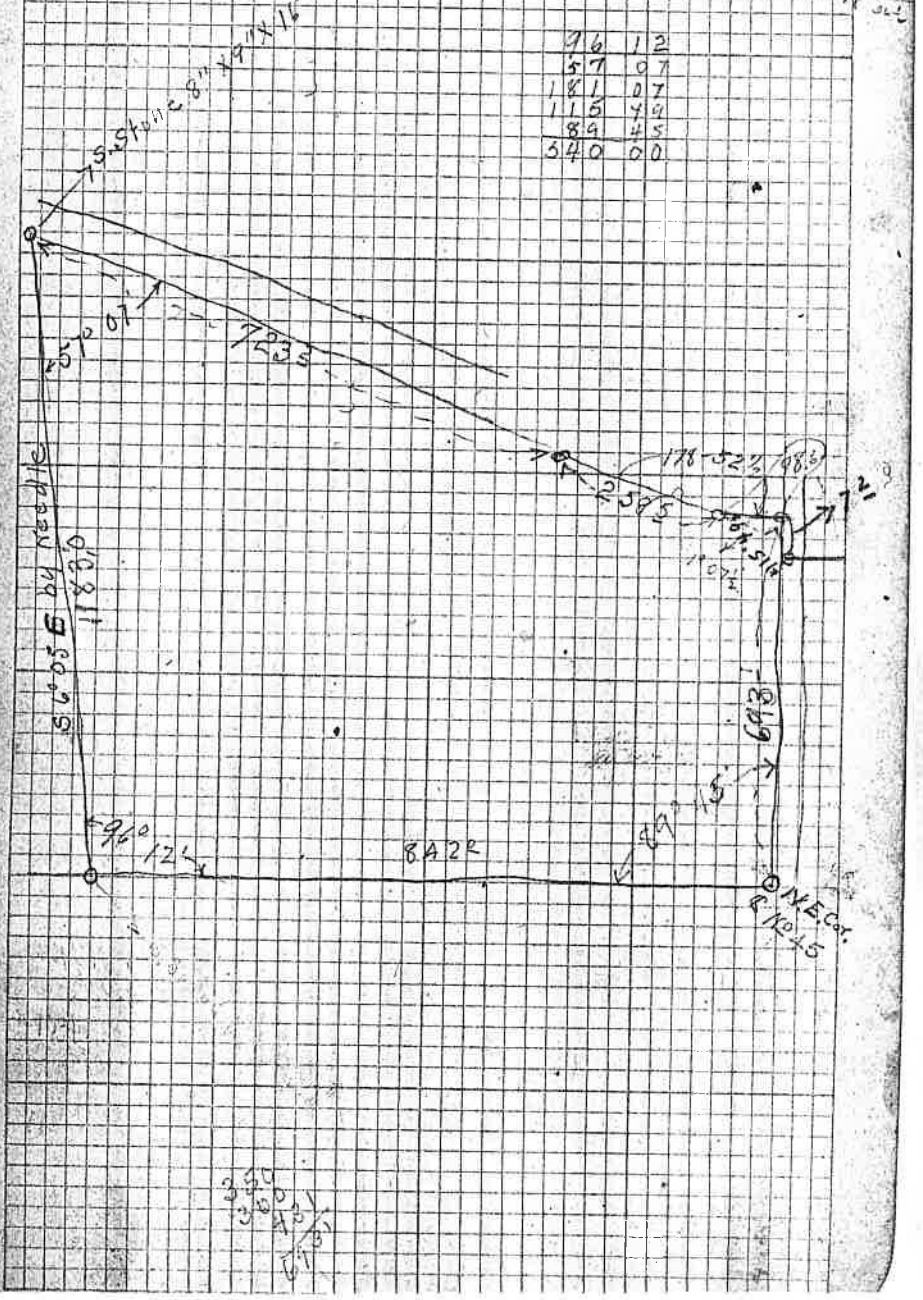
Masonic Bldg.

Survey.



C. W. Muller Survey
T. 27-4 — Sec. 20

on North Deer Creek



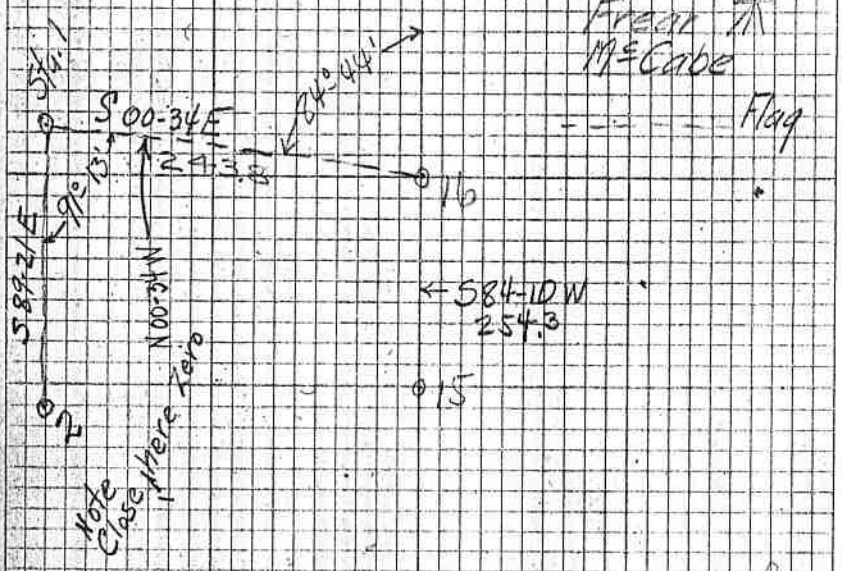
Sta.	Dist.	Lt.	Rt.	Mag.	Cal.
16			7-53	S 80 W	S84-10W
15	2543				
	1344		9-44	S74W	S 76-17W
14			42-30	S67½W	S66-36W
	2044				
13			24-28	S22¼W	S24-06W
	158.5				
12	565.0	131-29		S1½E	S00-22E
11					
	351.4		18-56	N61½W	N48-53W
10					
	3444	72-53		S69¼E	N67-49W
9					
	1934	41-27		N4E	N5-04E
8					
	69.4		37-58	N45E	N46-31E
7					
	505.9	81-49		N8½E	N8-33E
6					
	319.0	45°-00'		S89E	S89-38E
5					
	156.5		64-08	S46-45E	S44-38E
4					
	1438		22-13	N70-45E	N71-14E
3					
	963	41-38		N50E	N49-01E
2					
	453.5		90-39	N87E	S89-24E
1					
	1086			N4°W.	North
0		441-196	313-326		

Survey of Till Land Pine Grove Farm for C. J. McCabe near Dixonville

T. 27-5

Dec 11-16

Bermond Ch. From N McCabe



Flag

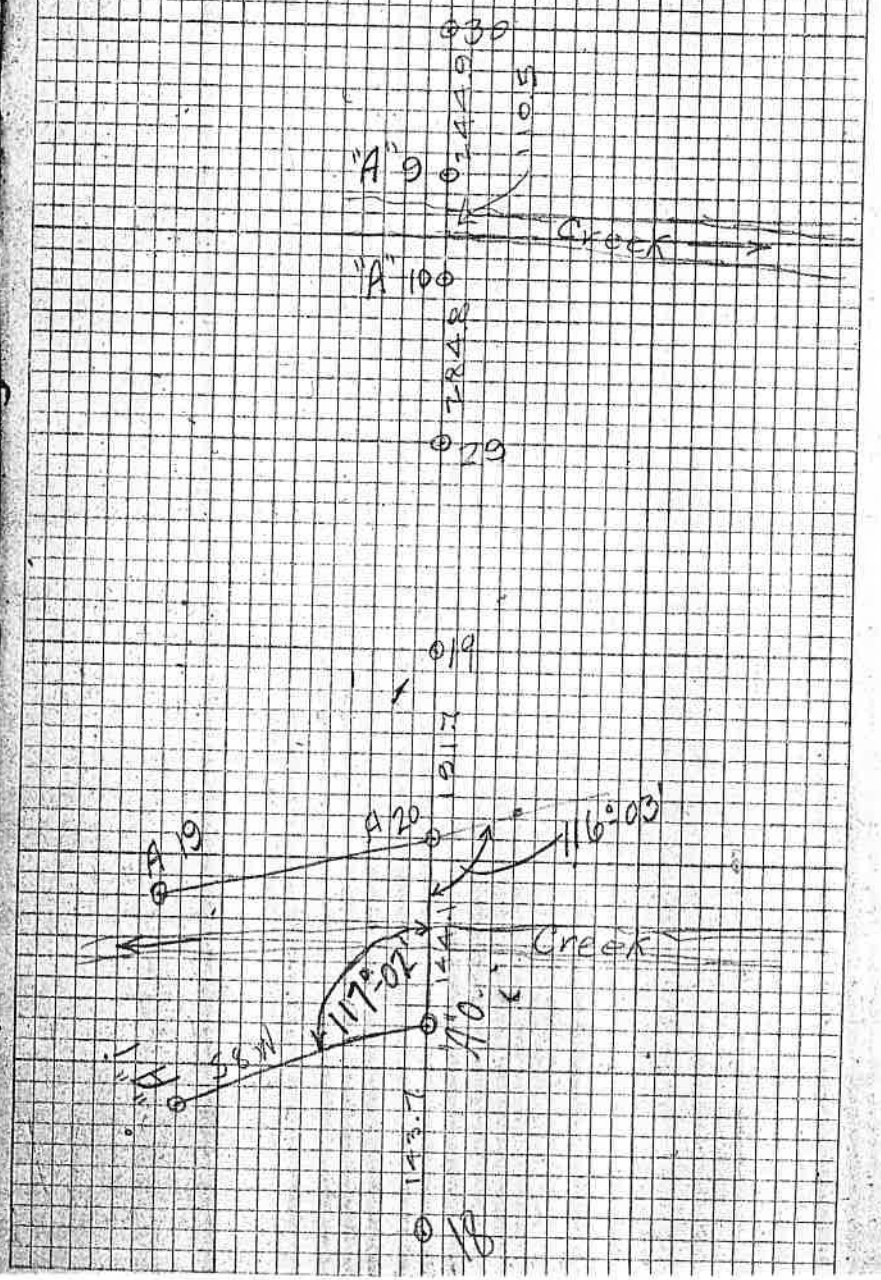
Marble Slab

Sta.	Dist.	∠	Az. – Mag.	C.C.
32				
	470.9		65-03 S89 E	N89-26 E
31				
	2106	91-01	N18¾ E	N24-23 E
30				
	6402	89-54	S64 E	S64-36 E
29				
	5393		73-42 S9 W	S16-18 W
28				
	2372		92-48 S56¾ E	S57-24 E
27				
	3939	71-09	N31½ E	N29-48 E
26				
	136.0	109-35	S77¼ E	S79-03 E
25				
	288.5			
24	P.O.T.			
	5563	99-30	S29½ W	S30-32 W
23				
	110.2		109°-07' N49½ W	N49-58 W
22				
	318.9		10°-30' S19 W	S20-55 W
21				
	239.7	16-24	S11½ W	S10-25 W
20				
	500.0	98-28	S27½ W	S26-49 W
19				
	4795	6-17	N55½ W	N54-43 W
18				
	4048		104-53 N4¾ E	N6-34 E
17				
	436.6	2-29	S77½ W	S81-41 W
16				

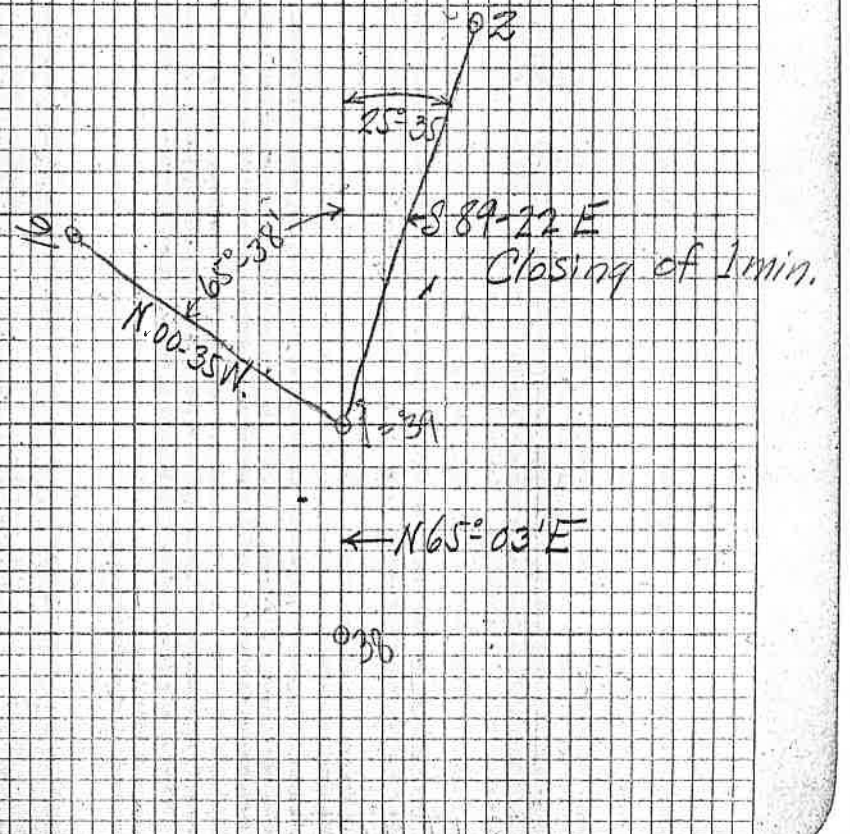
627-227 453-183

Pine Grove Farm

12
12



Sta.	Dist.	Lt.	Rt.	Mag	C.C.
16					
		65-38		N 4 W	N 00°-35' W
39 = Sta. 1					
	206.8		55-25	N 60 E	N 65-03 E
38					
	278.2	28-01		N 9½ E	N 9-38 E
37					
	205.3		126-18	N 34 E	N 37-39 E
36					
	172.1	3-19		S 89 W	N 88-39 W
35					
	179.5	86-00		N 85½ W	N 85-20 W
34					
	537.1	82-51		N 00½ E	N 00-40 E
33					
	137.6	5-55		N 83 E	N 83-31 E
32		269-167	181-43		



"A" Line Down. E

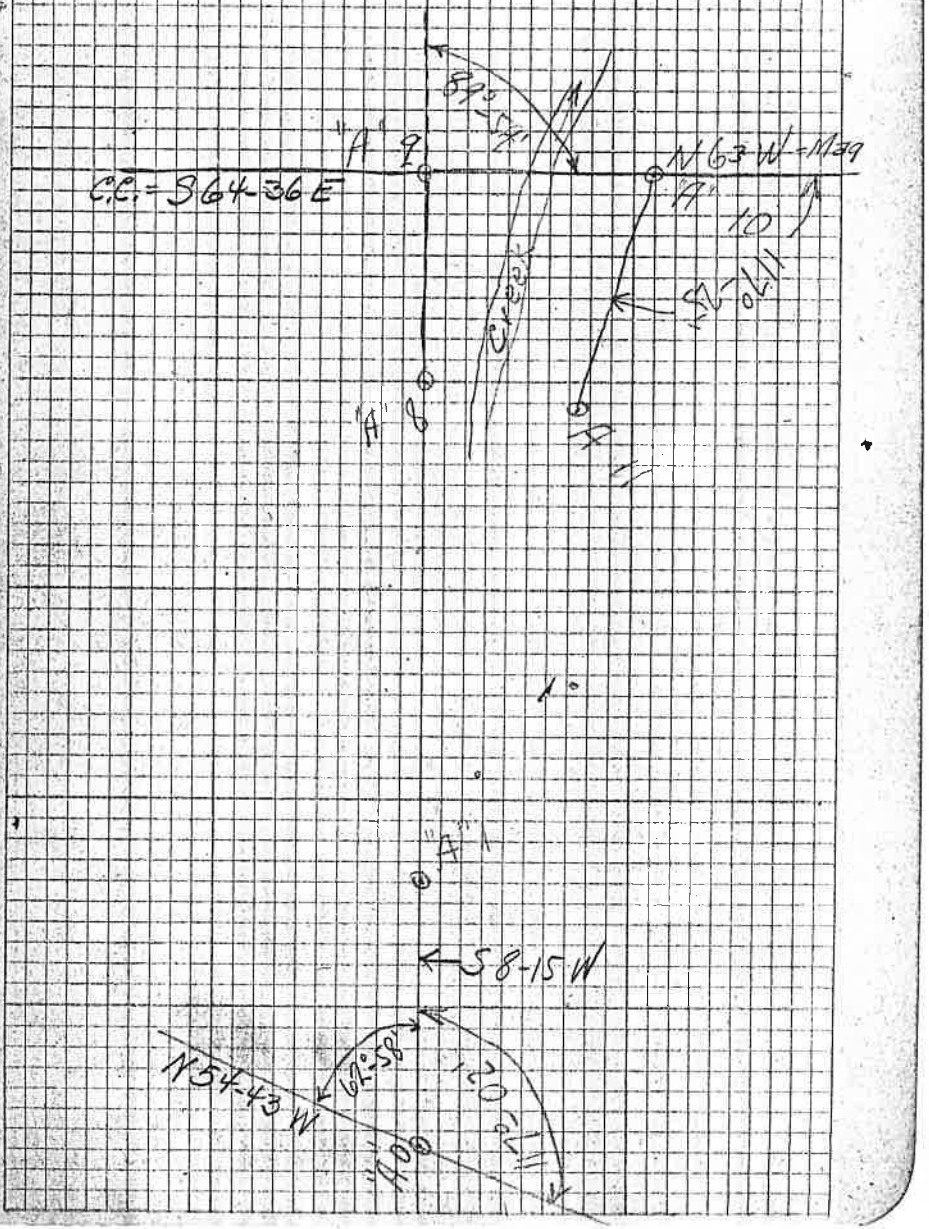
Sta.	Dist.	Lt.	Rt.	Mag.
15				
	107.5		26-56	N2¾E N6-44E ✓
14				
	134.7	14-35		N2½W N20-12W
13				
	142.0	31-08		N6½W N5-37W
12				
	555.1	27-21		N27¼E N25-31E
11				
	256.1		117-25	N54E N52-52E
10				
			89°-59'	N63W N64-33W
9 Pt. on line	110.5			
	152.2	36-33		S27¼W S25-28W
8				
	92.8		34-30	S63½W S62-01W
7				
	496.9		34-40	S28¾W S27-31W
6				
	885.8			
5 P.O.T.				
	221.4	43-39		S9¾E S7-09E
4				
	54.8		31-29	S34¼W S36-30W
3				
	415.9	34-45		S3¼W S5-01W
2				
	54.2		31-31	S37¾W S39-46W
1				
	218.9			S8W S8-15W

"A" 0 = Pt bet. 18 & 19

185 = 181 | 362-270

Side Creek

To here Dech. 16
Cold - Cloudy



Sta.	Dist.	"A" Lt.	Line Rt	Mag
"A" 0				
20 Pt. on Line	144.1		116°-03' S 55 E	S 54-42 E
19	215.5	6°-22'	N10E	N9-15E
18	193.2		33-34 N16E	N.15-37E
17	245.4	28-40	N2W	N17-57W
16	217°		28-18 N9½ E	N10-43E
15	100.9	24-19	N 27½ W	N17-35W
		58-81	177-55	

Pine Grove Farm

15

Closure of 1 Min.

N54-43W

116°-03'

"A" 20

19 "A"

Creek

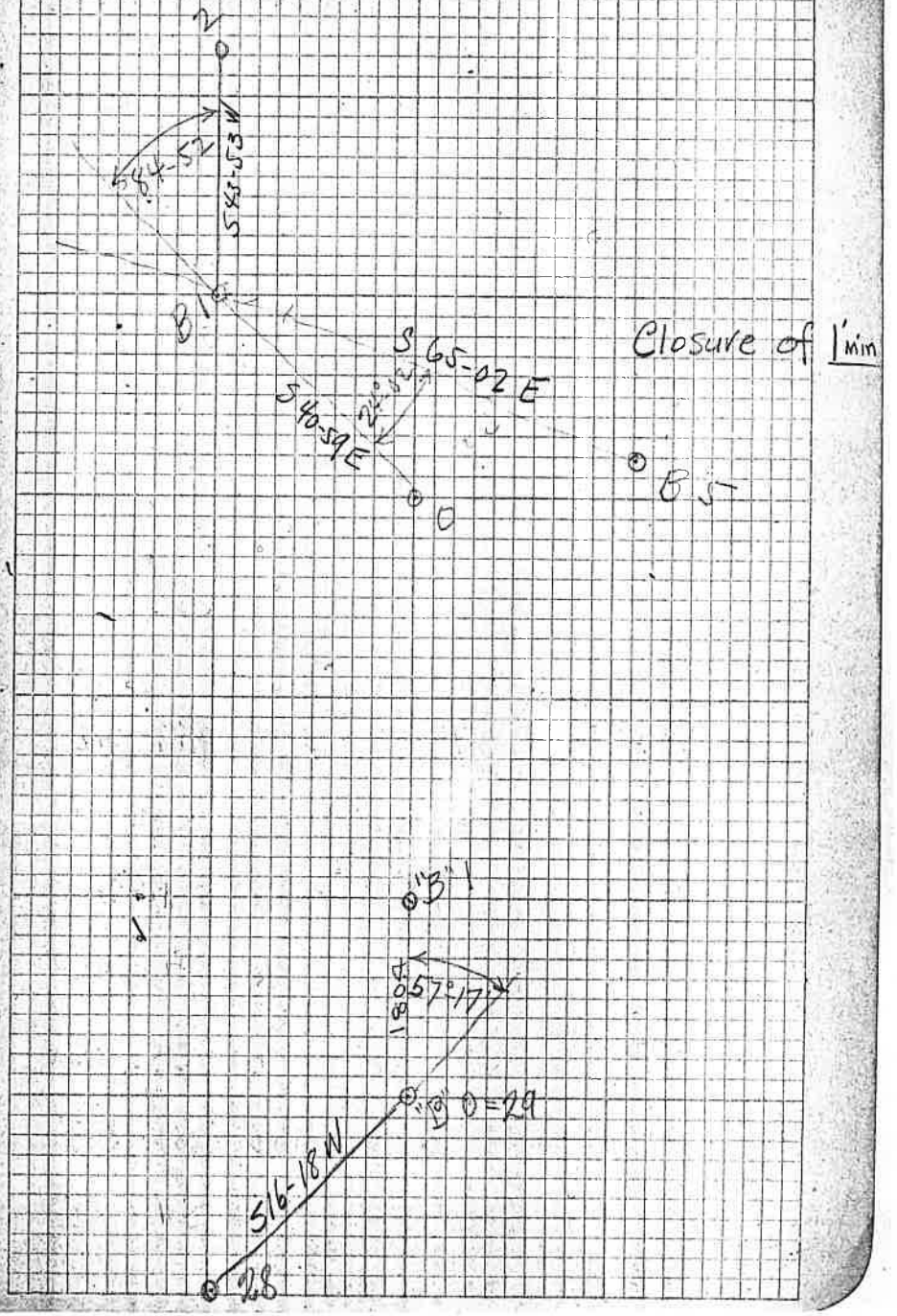
20

"B" Line

Sta.	Dist.	Lt.	Rt.	Mag	C.C.
"B"1					
5	32.45		87-59	S62E	S65-02E
B4	77.1		88-59	N29½E	N26-59E
B3	222.0		16-32	N61¾W	N62-00W
B2	840		57-35		N78-32W
B1	732		84-52	S49W	S43-53W
29="B"0	1804	57-7		S40½E	S40-59E
28	539.3				S16-18W

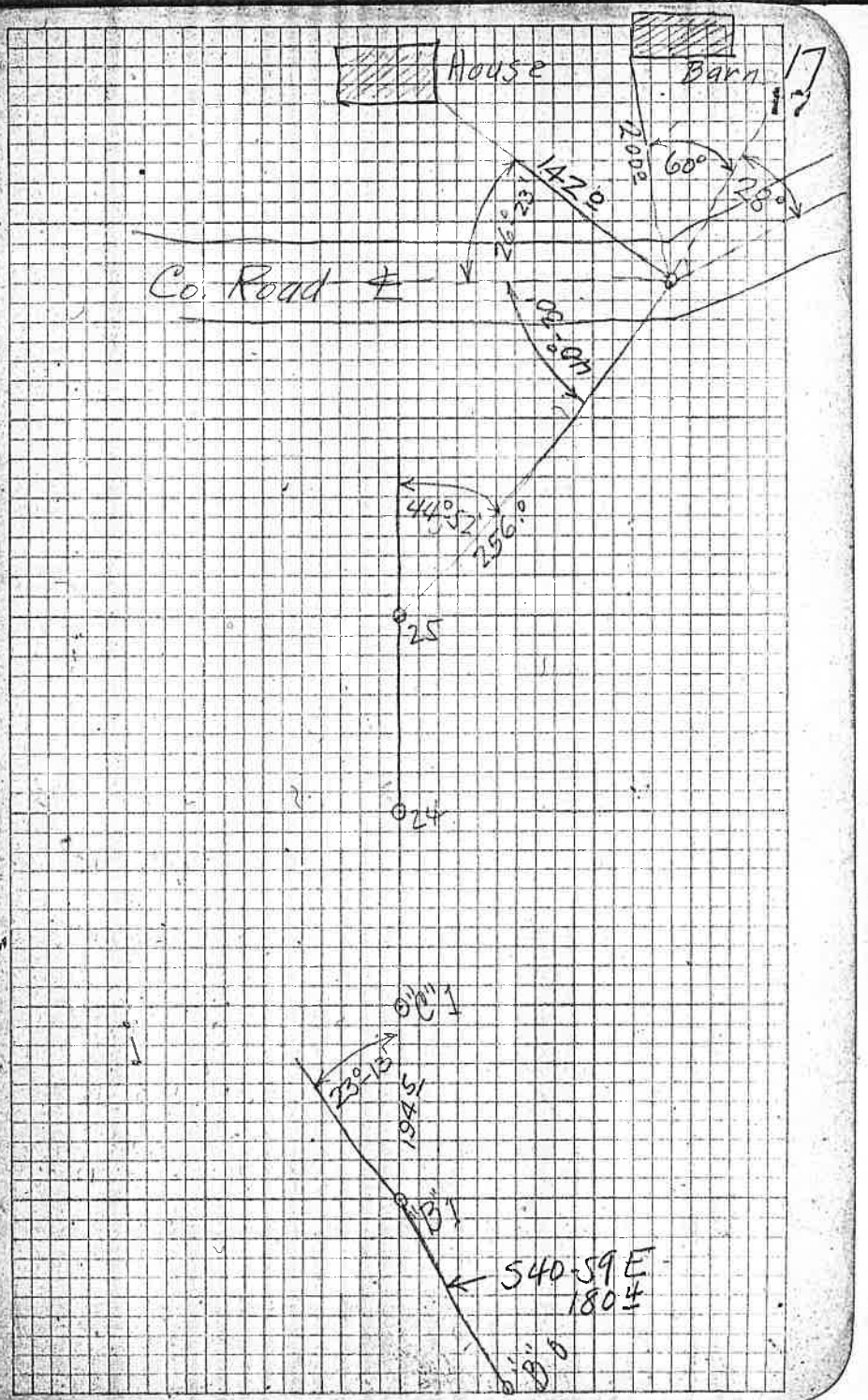
Pine Grove Farm

16
16



"C" Line

Sta.	Dist	Lt.	Rt.	Mag.	C.C.
"C"1					
	106.9		110°-12'	N77°E	N78-01E
"C"5					
	27.9		40-42		N32-11W
"C"4					
	185.3		14-46	N13¼W	N12-53W
"C"3					
	98.8		88-06	N33E	S32-21W
"C"2					
	63.2	37-59		S55½E	S55-45E
"C"1					
	104.5		23-13	S18½E	S17-46E
B'1					
	180±			S40½E	S40-59E
B'0-1+					
		37-59	335-119		



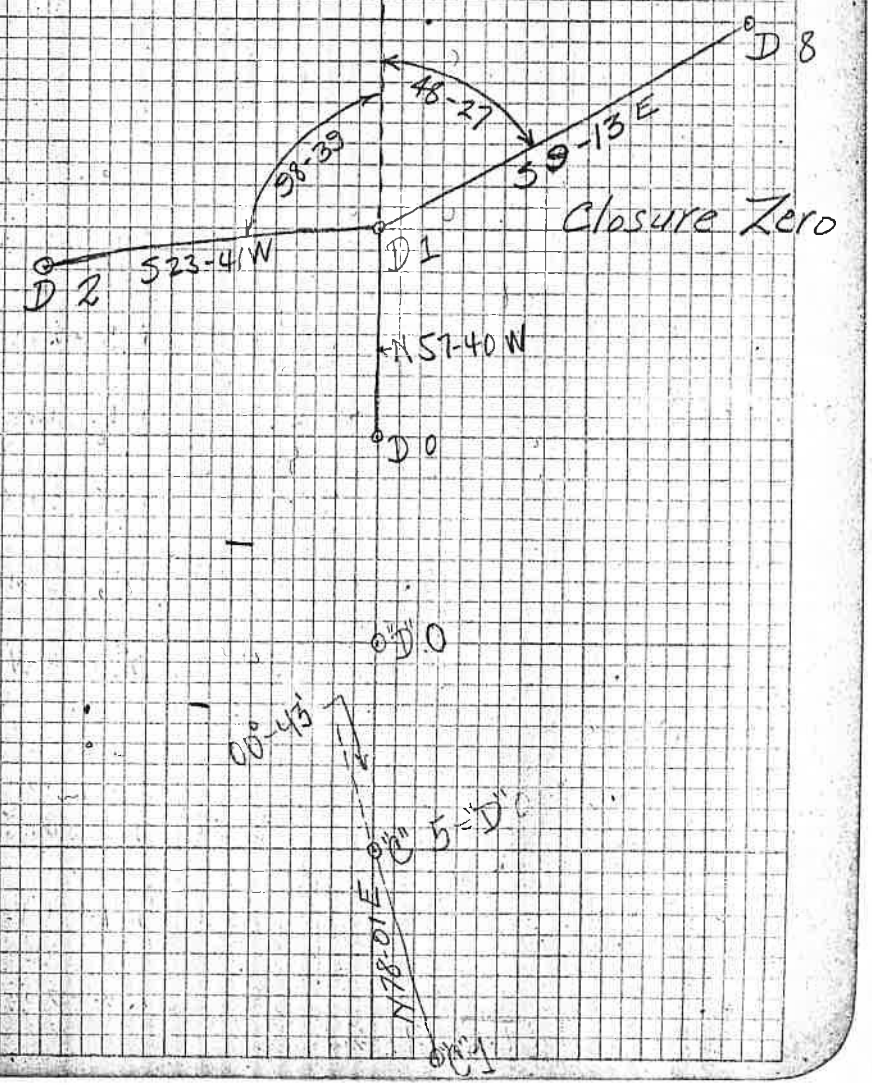
"D" Line

Sta.	Dist.	Ft.	Ft.	Mag	C.C.
"D" 1					
8	926		62-52	S 5¼ E	S 9-13 E
7	1183		70-28	S 69¾ E	S 72-05 E
	2424	30-47		N 40¾ E	N 37-27 E
6	2965		75-00	N 67½ E	N 68-14 E
5	2717		71-35	N 5¼ W	N 6-46 W
4	2477		70-03	N 7 W	N 78-21 W
3	3889		7-56	S 34¼ W	S 31-36 W
"D" 2	1782	98-39		S 22¾ W	S 23-40 W
"D" 1	2736		43-35	N 55½ W	N 57-41 W
"D" 0	2634		00-43	S 78¼ W	S 78-44 W
"C" 5=					N 78-01 E
"C" 1					

1288-86 1398-252

Pine Grove Farm

18



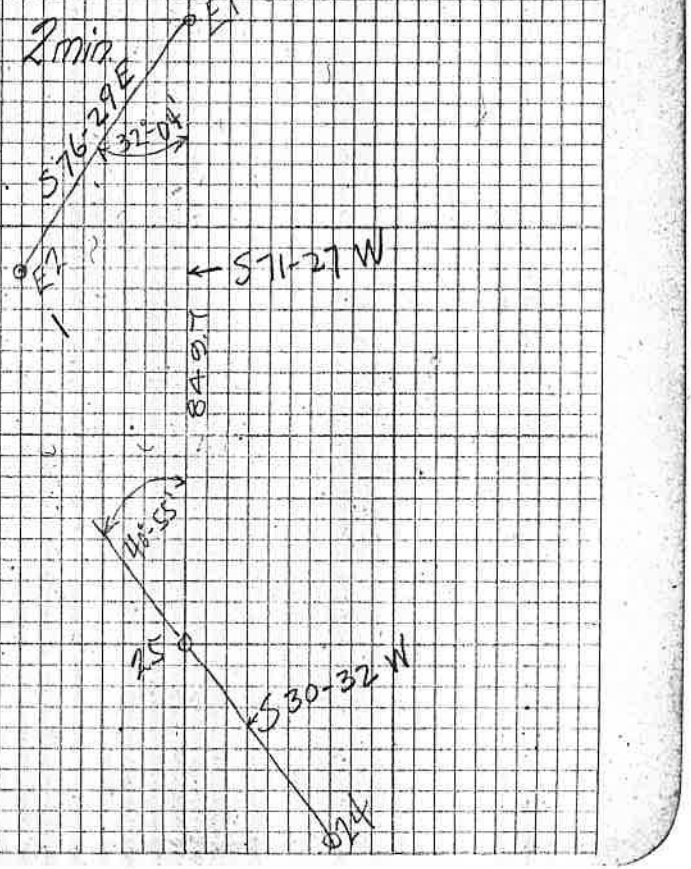
Pine Grove Farm
Survey of Tilt Land for
C. J. McCabe at Dixonville
T. 27-5

End here Dec. 13-16
Cloudy
Germond R. Ch.
Frear Ax.
McCabe Flag

"E" Line

Sta.	Dist.	Ax.	Rt.	Mag.	C.C.
E 2					
			85° 07		S 76-27 E ✓
E 1					
	252.8		93-19	S 18½ W	N 18-26 E
7					
	144.4		46-33	N 74½ W	N 74-53 W
6					
	75.1	20-28		S 59½ W	S 58-34 W
5					
	236.7		65-48	S 78¼ W	S 79-02 W
E 4					
	104.6		89-43	S 14 W	S 13-14 W
E 3					
	104.3				
E 2	P.O.T.				
	286.5	147-56		S 75½ E	S 76-29 E
E 1					
	849.7		40-55	S 72¼ W	S 71-27 W
25					
				S 31¼ W	S 30-32 W
24		167-84	418-205		

Closure 2 min.



Survey For Harvey and Manning

I reset sec. Cor 5.6.7.8 T25-4 S. stone 6"x8"16" from which
Original B.T.W.O. 30" brs S 1° E 368 lks
" B.T.W.O 12" " S 69° 35 W 216 "
" B.T.W.O 15" " N 29° 20 W 148.
New B.T.W.O. 8" N 46° 00 E 40½ lks
S.W. Cor of D.L.C. No 48 bears S 89° 20 E 7.75 lks

I reset N.E. Cor CL. 48 T 25-4
rock 4"x4"x14" from Which
A W. Oak 4" brs S 24½ W 13 lks
" " " 7" " S 17° E 23 "

Began Survey at sec. Cor. as above estab. run a poor Needle line N. 40 chs and made diligent search for 1/4 Cor. and found two B.O trees that tallies good for bearing and dist. but they were unmarked and I was not sure. Then I returned to S.W. Cor. Ch. 48 and I set in Cor from one old B.T. I then start N on a line and at 60 chs. I set pr. A. Note, Line carefully chea hviced and no doubt correct. I then went to N.E. Cor. of Claim and found both old B.T.s Which do not agree so I used the tree which bears S 15° W 65 lks. and set in cor. as noted. Then I start S 89° 35 W on N boy of Claim and chain carefully

4 of 2

Jan 28 1917

20
20

8.58 A 2 — 13.26-6"
10 9 2.45 — 16.56-2"
26 40
27 40 00 100
2 60
30 00
6 10
36 00
9 2
36 98 = A 1f
00 8
37 00
26 00

26 40 — 66
2 60 — 6 6
1 00 — 39 60
9 2
6 05
2 80
39 60

	N	S	E	W
5 60		60		
N 89° 30 E 35.56	.31		35.56	
N	31.33			
E			37.25	
N	29 20			
S 89° 54' W				73.26
	60.43	60.13	73.71	73.25
	60 74		73 25	
	60 13		.46	
	.61			

25' 9 6½"

V = 14° 31'
H = 45 21
T = 3 h 30
Jan 24 1917

V = 15° 11'
H = 46° 26'
T = 3h 25
Jan 24 1917

Sta 23 6½

$$\frac{\sin A}{\sin B} = \frac{520.2}{b} = \frac{1113244}{6833799.5} = 520.2$$

6833799.5
520.2
13667599.0
13667599.0
34168997.5
1113244 | 3553494249990 | 3193352
3339732
2152104
1113244
1038860
1001919
36941
33397
3544
3339
205

48.38
25.09
73.47

$$\frac{\sin C}{\sin B} = \frac{520.2}{b} = \frac{2879177}{4030129} = \frac{520.2}{b}$$

4030129
520.2
8060258
2879177 | 8060258
2015064
2094773
2015423
79350
57554
21796
20337
1459
1039
420

8.1

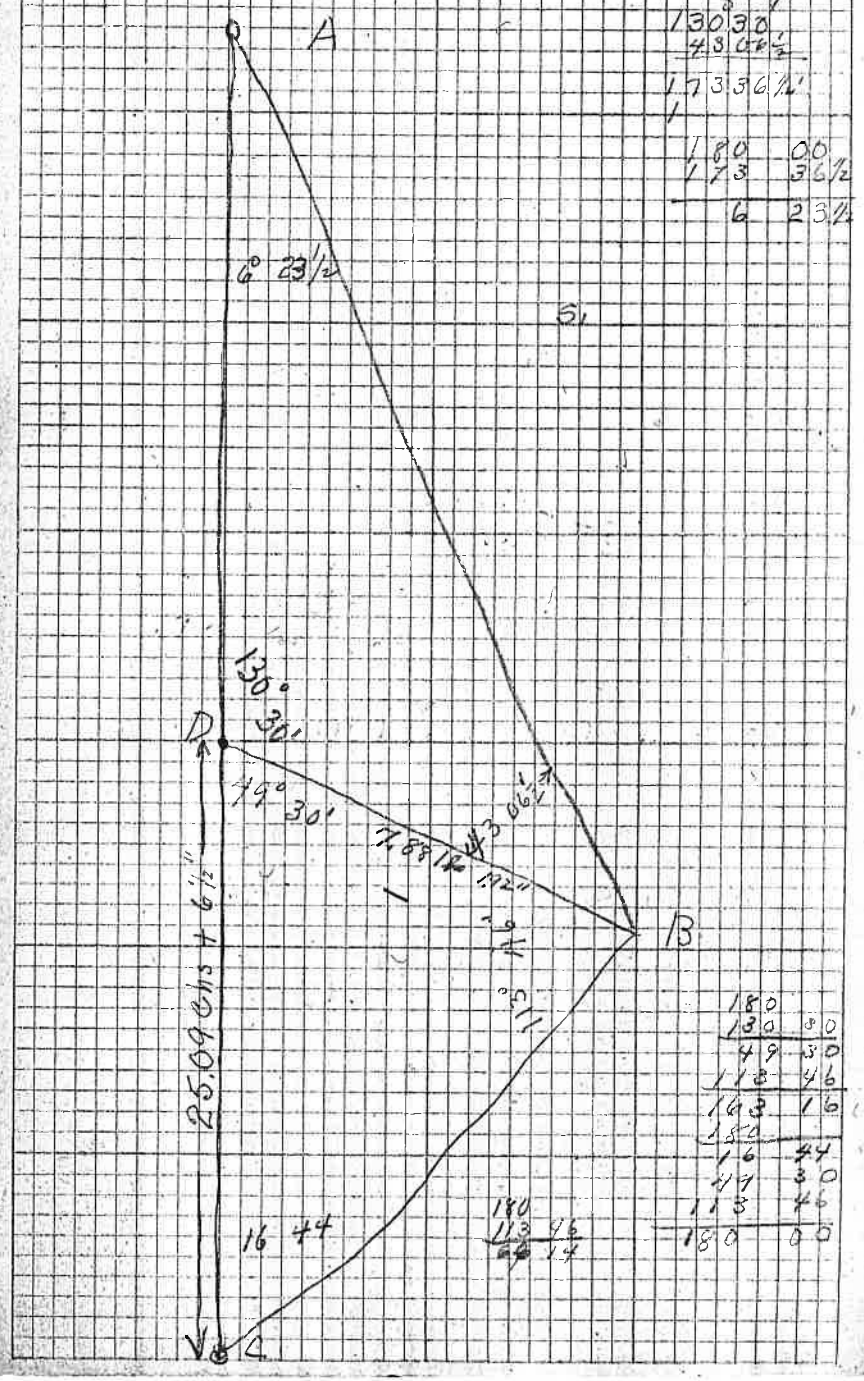
9151973
6202
1830394
1830386
457598715
2879177 | 4760840747486 | 165535 | 25.058
1881663
1727506
154157
143958
10199
8633
1566

132
333
330
050
330
200

180 − 130 30′ = 49° 30′

180 − 130 30′ − 43 06½ = 6° 23½

180 00
173 36½
6 23½



180 − 130 30 = 49 30

180 − 113 46 = 66 14

180 − 113 46 = 66 14

180 − 00 00

22
22

I set in N.W. cor of Claim No. 48 T25-4 Is a S. Stone 4" x 14" x 28" from which
A.W. Oak 12" S 17½ W 4.18 chs
A.W. Oak 10" S 76° 10' E 3.66 "

Survey For Road Petition at Umpqua

Jan 27 1917

27
23

at ending point I

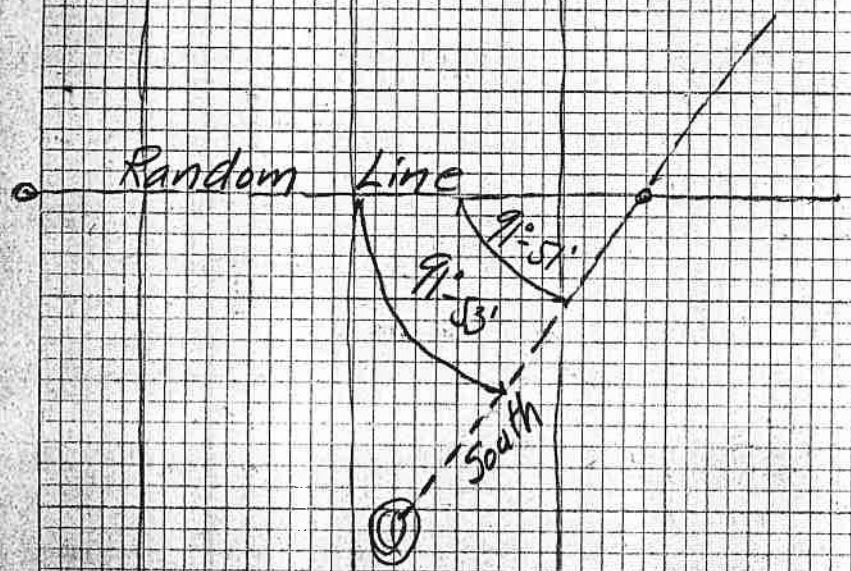
Set Iron pipe 1¼ x 18" from which an iron bolt marking the N.W. Cor of Wm Kamp lands bears S49½E 55 lks and 1¼" Said bolt is 1"x18".

The beginning point is a rock at Northeast corner of Alva Churchills D.L.C. in Tp. 25-7

Wm Kamp's Land is a part of Shambrook's 1st Add to Umpqua Ferry of Blk 3

John Busen bark

Sta	Dist.	Lt.	Rt.	Mag. Bear.



90° Rt.

5+46 ch. 2.90 ch. N 2° E

2+56 ch. Dec. Cor. Mag from 2.56 ch. N 1°+29' E.

0+00 = Dec. Cor.

Began at Cor. to Dec. 4-5-8-9 (T. 27-6) trees marks on Dec. S. 54° E. 2.94 Lks.

Survey

Lat. Melrose 43°-15'

Feb. 7-17 Decl. 15°-23'-21.7"

Hr. diff. 46.7 sec.

8 hrs till Noon or 10.30 Min.

2.30 P.M. Obs = 10½ hrs

91°-51' Lt to Sun

15-23-21.7
8-10
15°-15'-11 Dec decl for 2.30 P.M.

Ref. -02
15°-13'-11 Dec decl.
at 3 P.M.

91°-53' Lt. to Sun

15-23-21.7
8-30"
15°-14'-52"
2'-20"

- Ref.

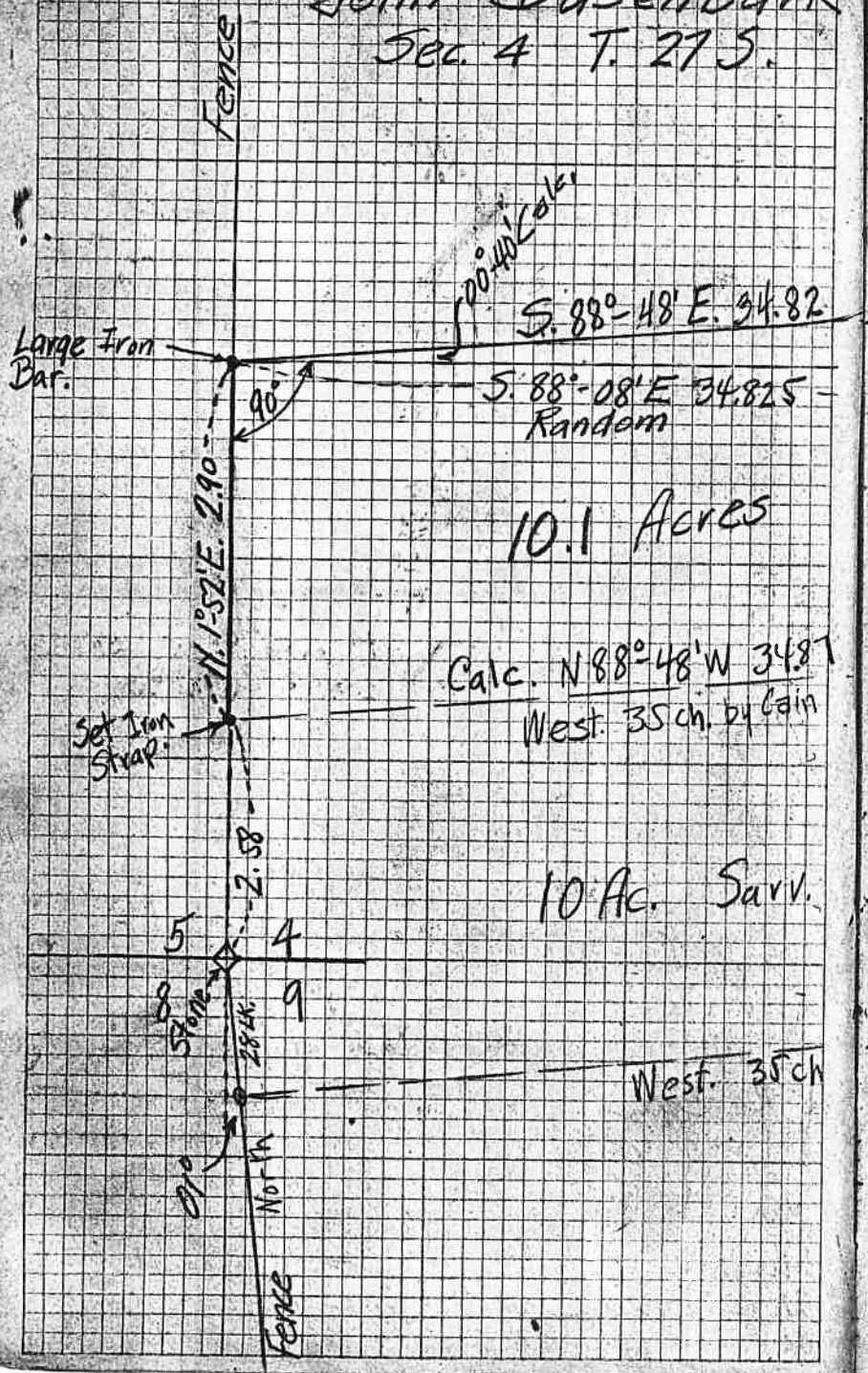
Decl. 15°-12'-32" Dec Ref.

Right on Random Line and turn to Sun 2 times and take the mean gives the Random Line a bearing of S. 88°-08' E.

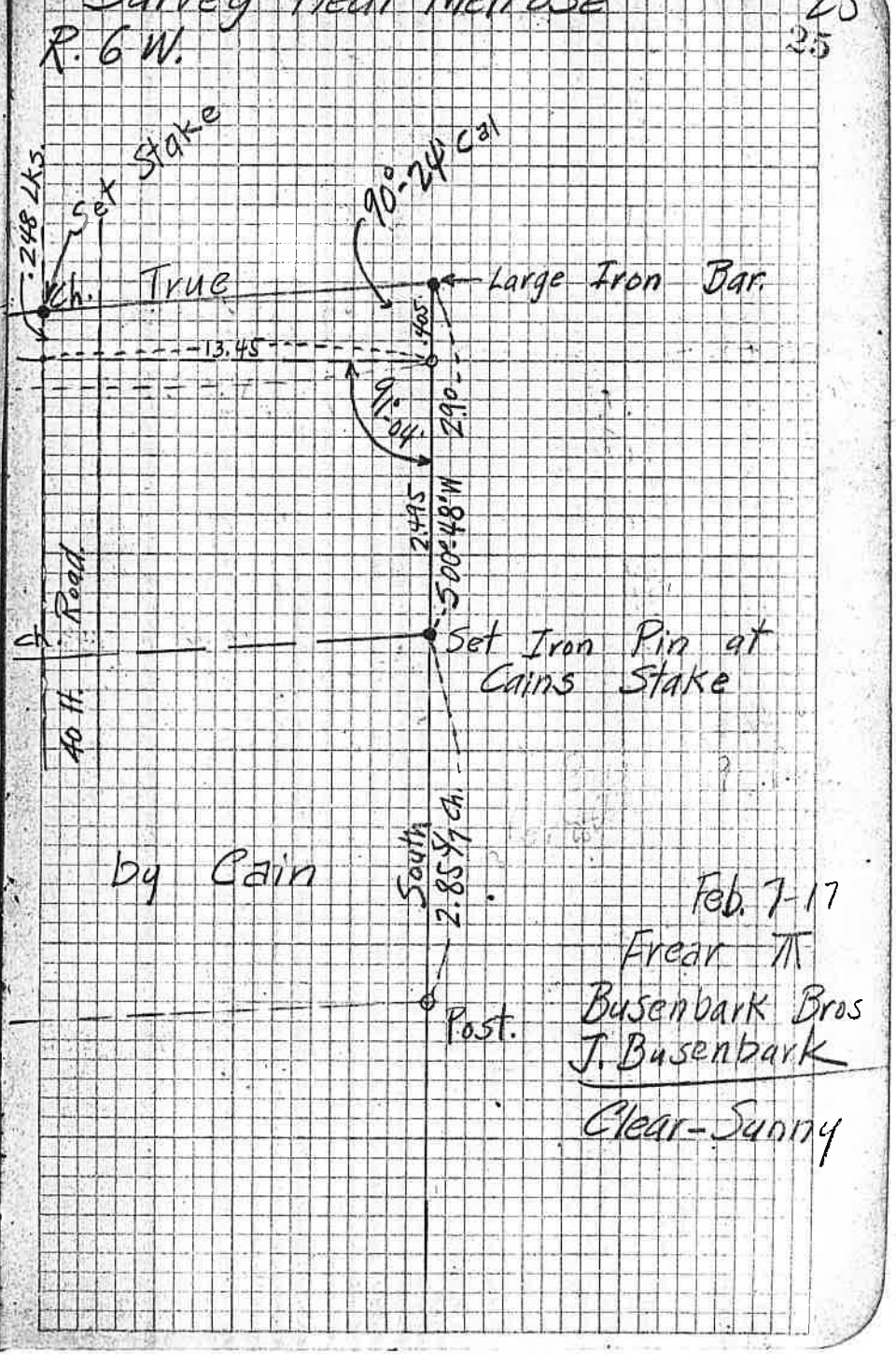
Turn 1° Rt.

which is a Stone found 2 Witness Other tree P. 14° W. has down

John Busenbark
Sec. 4 T. 27 S.



Survey near Melrose
R. 6 W.



Feb. 7-17
Frear π
Busenbark Bros
J. Busenbark
Clear-Sunny

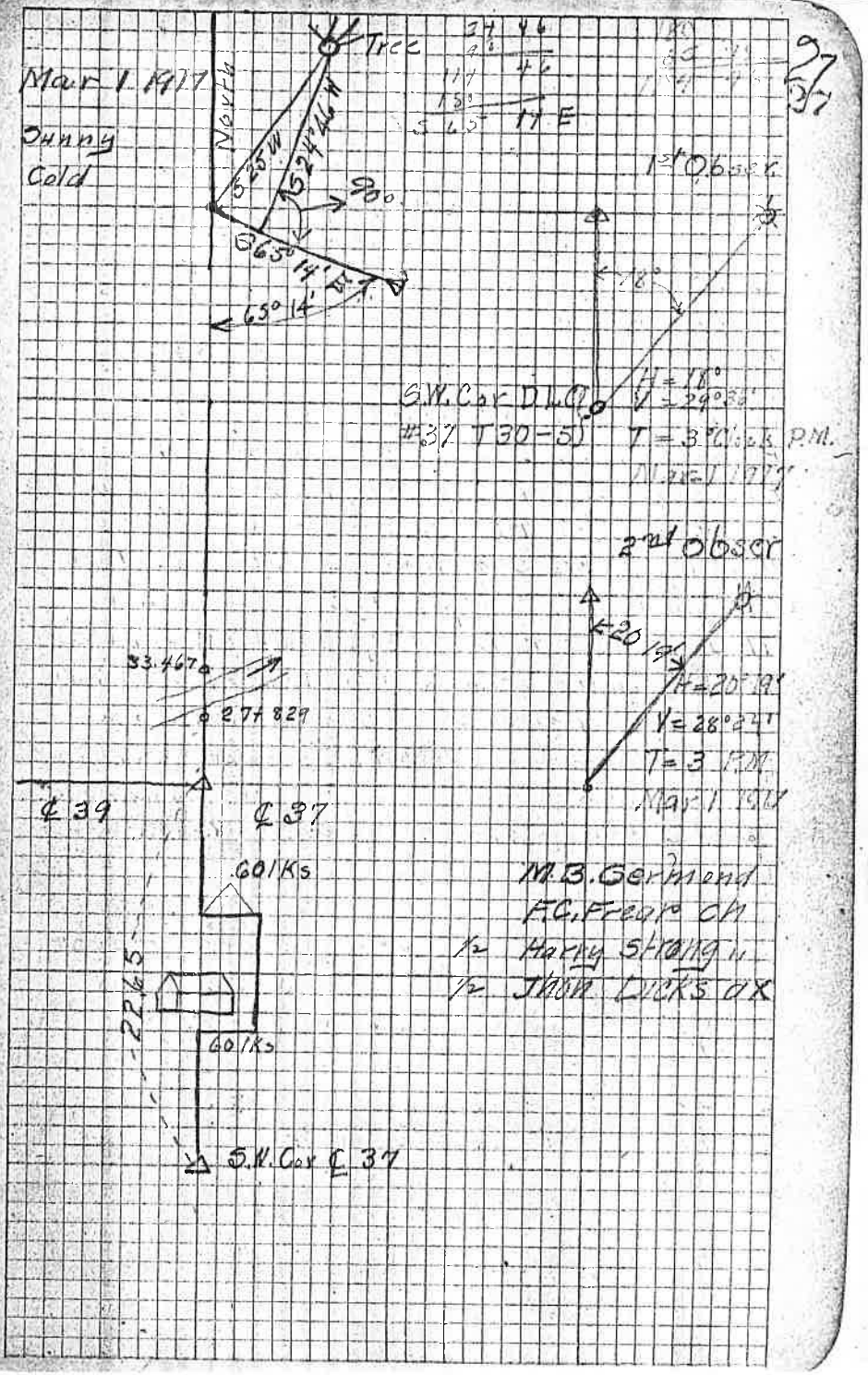
John Busenbark Decript)
10.1 Ac. in Sec. 4. T. 27-6
Began at Sec. Cor bet. Secs.
4-5-8 & 9 - T. 27 S. R. 6 W.
Thence N. 1°-52' E. 2.58 ch. to
the Place of Beginning Set an
Iron Rod
Thence N. 1°-52' E 2.90 ch. to Iron Rod
" S. 88°-48' E. 34.82 " " " "
" S. 00°-48' W 2.90 " " " "
" N. 88°-48' W 34.87 " " Place of Beg.
Containing 10.1 Acres More or Less

Survey John Weaver

Began survey at B.O. tree marked by Briggs in 1890 for Witness tree to the S.W.Cor. of ℄ 37 in Sec. 5 TP 30-5 I set in the S.W.Cor of ℄ 37 from this tree on bearing of S 25° W 346 Chs.

From this S.W.cor I run North on true Line and at 4.117 chs I offset E. 0.60 lks, and at 12.602 " I " " W. 0.60 " on true Line and continue on North at 22.65 set in big hub for random cor. to N.E. Cor ℄ 39 (Orrin Weaver) From this N.E.Cor. hub I run on the calls given and find a big B.O. tree that agree very well for the B. tree

At the S.W.Cor I find an old pipe cor. set in by F. Cain. I set in my temp. random hub West ft. Cain evidently set in his pt. from an old oak stump which is still in evidence and from testimony of John Creal Red Weaver also John Dicks and Hank Weaver this Stump is apart of the Orig. B. Tree. Therefore I may use this stump and pipe. I took two sun reading as noted and established true meridian



March 23, 1917

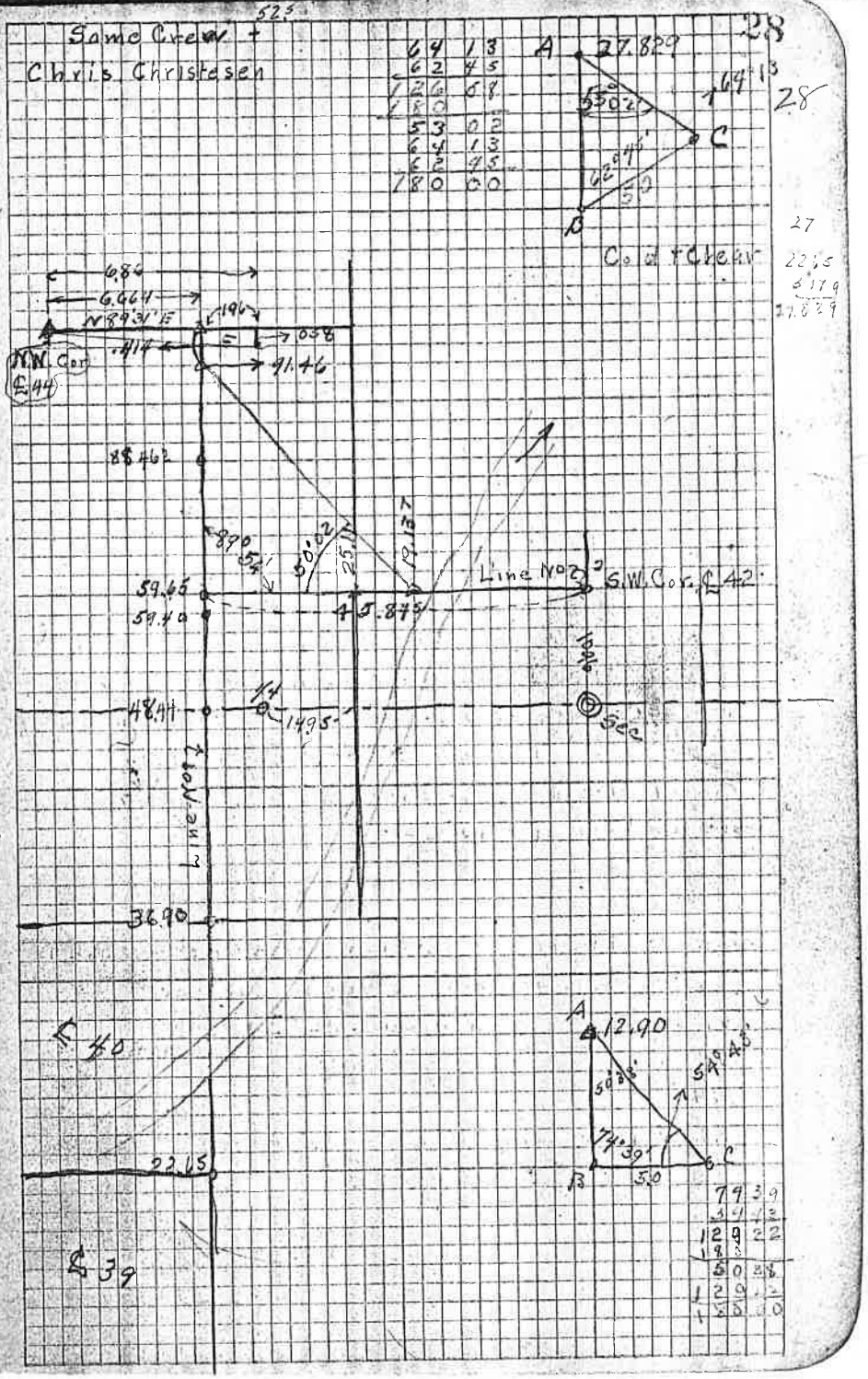
Continue on North from 22.65 pt and at
27.829 set hub on River bank
38.467 " " " " " Lt
36.90 " hub for ¼ S. 37 T 40
48.44 " " To be on Sec. Line
59.40 " " W. of N.W. Cor ¼ 40 Set Flag
88.46± " "
91.46± " " Set Flag

Then I went to N.W. Cor of ¼ 44 which I estab. From old tree. I saw letter on tree in 1915 and testimony of Ed. Weaver also says letters were on tree I set in 3/4" 48" gas pipe, from which Cor. A
a. W. Oak 5" brs S 75° W .52½ lks to Cen of tree
B " " 12" brs S 69 E 42.3 " " " " "
Th. I run N. 89 31' E 6.664 Chs and fell .414 lks N. of 91.46 Ch. pt. I continue N 89° 31 E .196 lks further, Set hub On this hub I set up and sighted on iron pipe and turned 89° 31' Lt and chied .058 lks South and set in hub for Cor of Maloneys ¼. On computation an East line from Cor "A" would have passed .358 N. of 91.46 Ch pt on Line No 1

I then go to the S.W. Cor Henry Adams ¼ 42 and start W. by needle. I set in a hub at 12.02 chs and one at 12.90 on Rt bank of river and Tri. X
" 19.137 " Lt " " " "
" 23.11 Set in hub for S.W. Cor ¼ 43
" 45.845 Inter. Line No 1 at 59.65

525

Same Crew +
Chris Christesen



28

27
22.65
5.179
27.829

March 3 1917

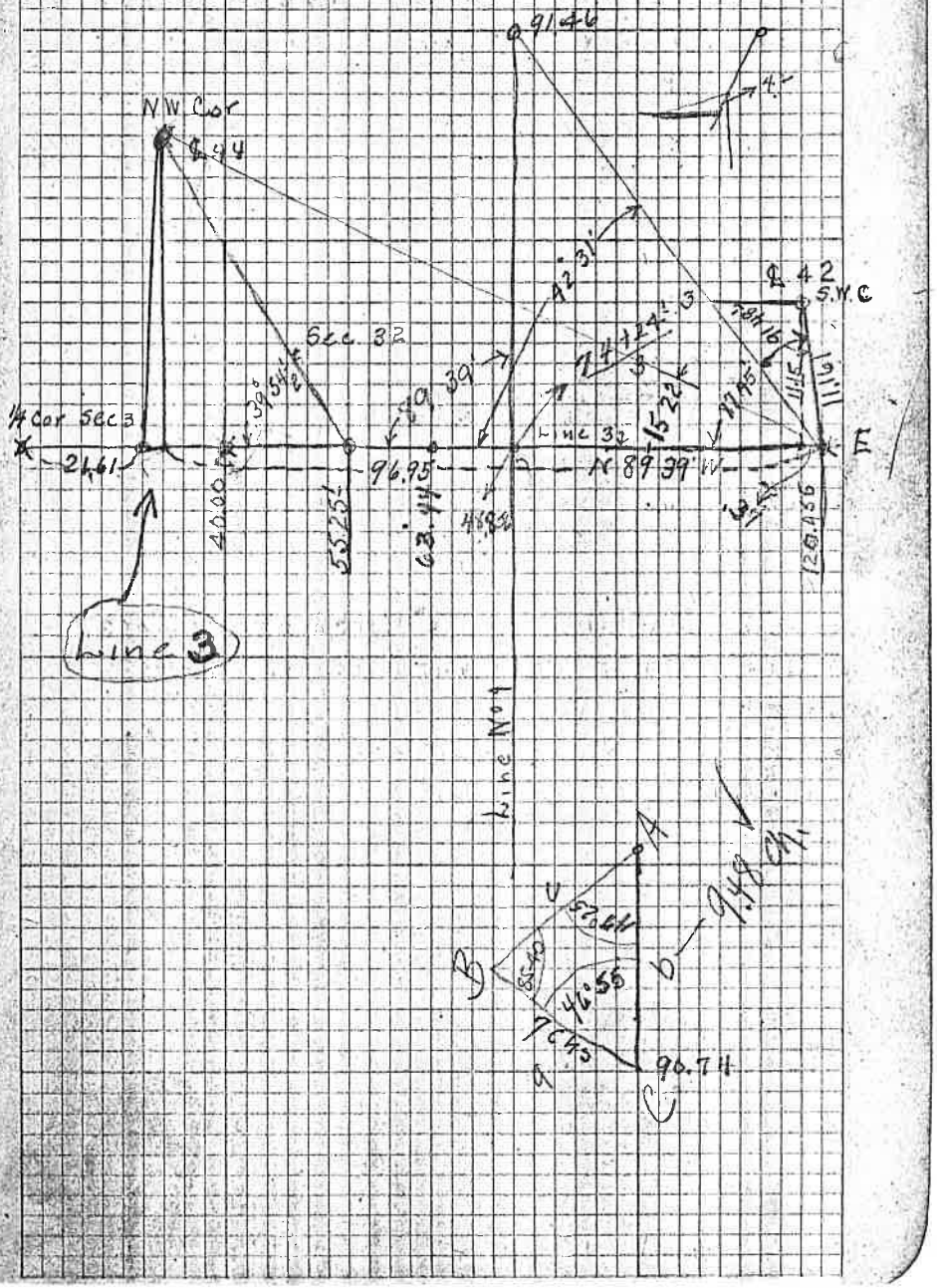
I then went the S.W Cor of ¢ 42 and run due S 1096 Chs. and Set in hub, From this hub I note and old blazed B.O. bears S 62E 3.52 Chs dist. I use this Tree and set in hub from this tree at the dist of 3.10 Chs. I call this my sec. Cor

I then went to Gov ¼ Cor on Tp Line S Side of Sec. 31 T 29-S I reset this Cor. from one old B.T. New cor. is ½" x 48" gal pipe From which W. Oak 20" N 40½ E 96 lks on of tree
" " 16" S 72 30 E 50¾ " " "

I then went to N.W. Cor ¢ 44 which I reest. from the only C.B.T. I found Scribe marks beyond any doubt I set in ½" x 30" gal pipe from which A B Oak 30" br S 24° E 104.8 cen of tree
" " " 18" " N 13¼ W 80 lks " " "
I set big Flag at this Cor.

Then I return to ¼ Cor as noted and run a true Line N 89° 39' W to Sec. Cor. Set from one Wit Tree. which is the cor. to Sec's. 4. 5. 32. 33 I set in hubs at
6.70 Set hub
21.61 Chs for ¢ of Whitted Line (I later found this hub to far W.)
40.00 " hub
63.44 " "
74.241 Inter Line N°1 at 48.856
80.00 Set ¾" x 30" pipe.
90.74
92.334 ½" Iron pipe.
98.237 ½ " "
100.22 hub by Barn
120.456

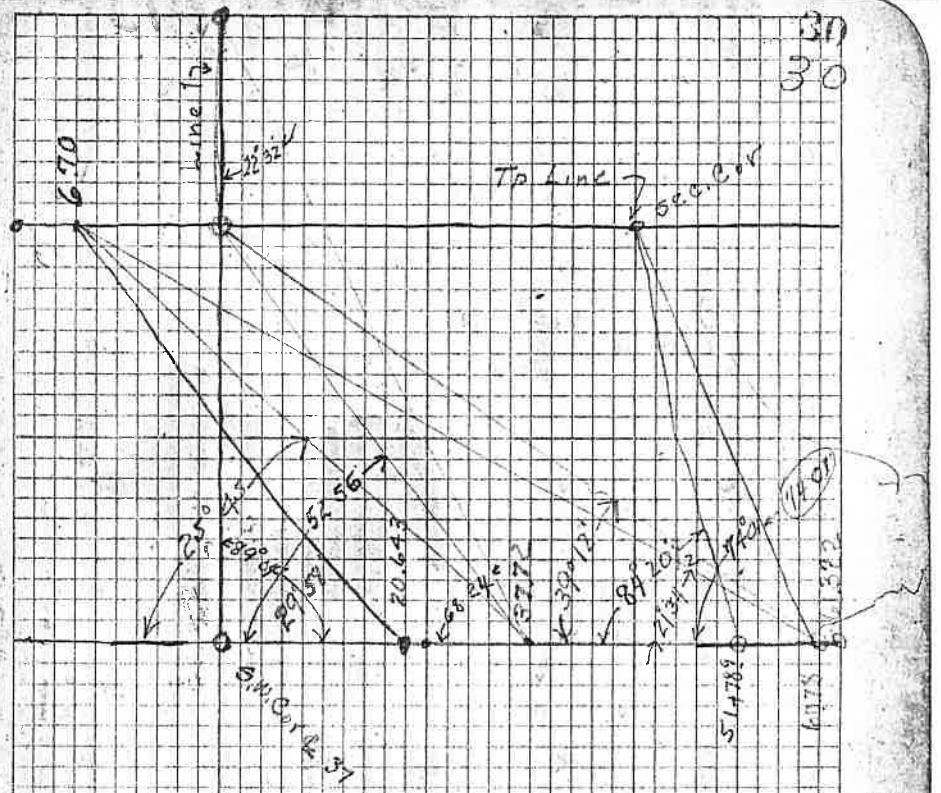
I set on sta 120.456 sight back west and turn 87°45 Rt 11.16 Chs to S.W. Cor ¢ 42



March 4 1917

S.W. Cor is ℄ 37 Jas Weaver is
A.W. Oak 26" dia S 72 24 E 225 lks Cains Tree
A B. " 42 " N 25 E 346 " Briggs "
I then run N 89°04' E on S. bdy of ℄ at
2.06 a hub .007 = set one South
2.24 a fence Course N 00 54' E and 7.41 lks N to Fence
9.71 a hub .0356 = set one South
10.688 " " .0342
20.693 " " .0757
22.20 " " .0814
32.80 " " 1.203
37.72
45+05 hub by fence Cor
51+24.8 "
58.789 "

61.322 I fell 22½ lks North of DLC Cor 37
Which I reest from W.H. tree as follows
~~A B.O~~ A ¾" x 30" Iron pipe from which
A B Oak 16" S 63½ E 45
" " " 14" S 43 50 W 37

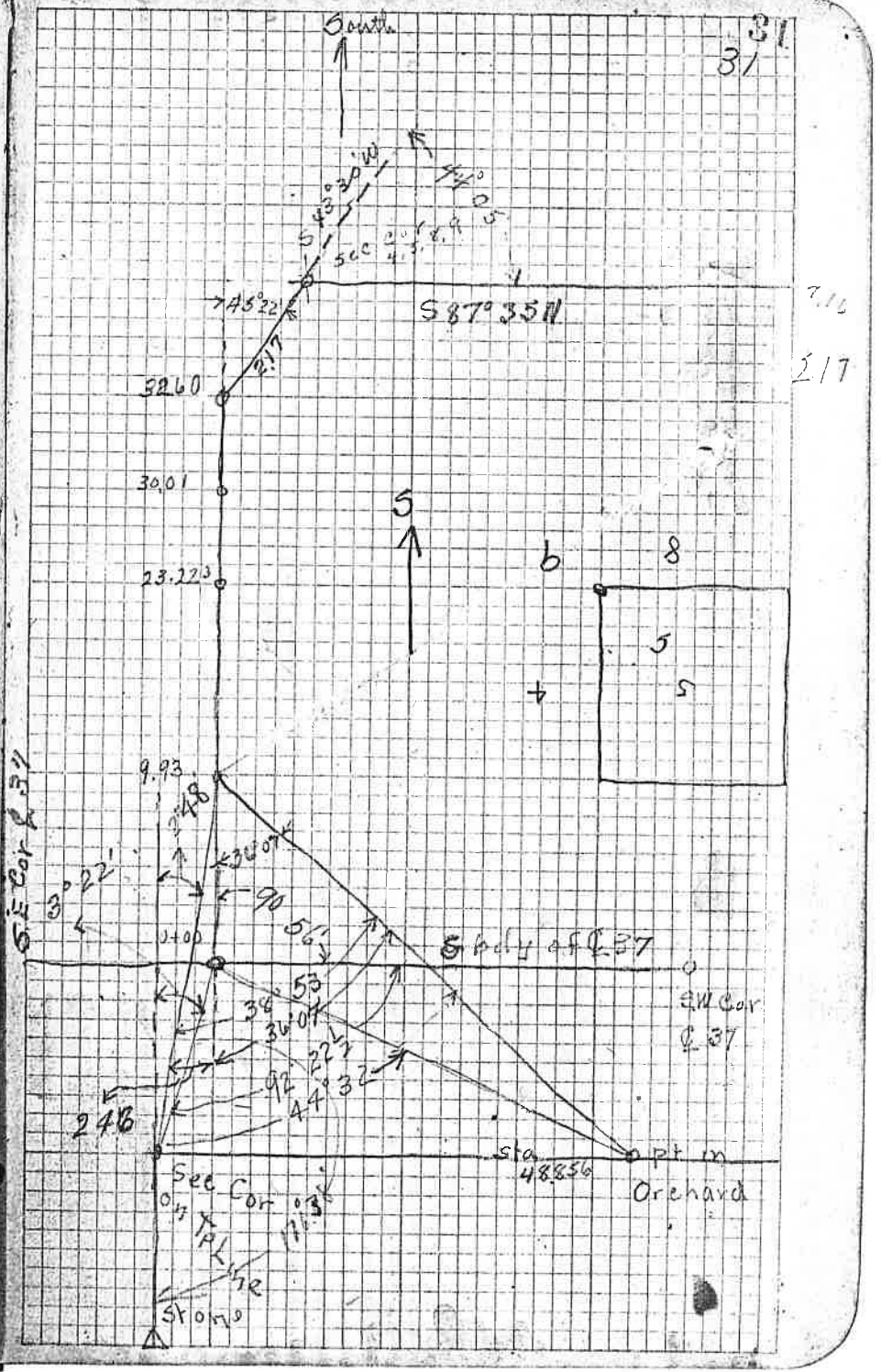


March 5 1917

Beg. at 45.05 - pt on S bdy of ℄ 37

Thence S on random Sec line from 45.05 pt at
h hub
hub
7.16 Tack in Oak Stump
9.75 hub on Ridge triangle & Set Flag
9.93 " " "
17.07 "
21.58 "
28.223 "
30.01 "
32.60 " At this pt I turn 45° 22' Rt to pt Taken as the Sec. Cor and run 217 lks over

From the Sec. Cor I run S 89 27 W (? Wrong) on S bdy of Sec 5 at
2.24 Set hub
9.05
10. 11½
12.50



31

7.16

217

March 8

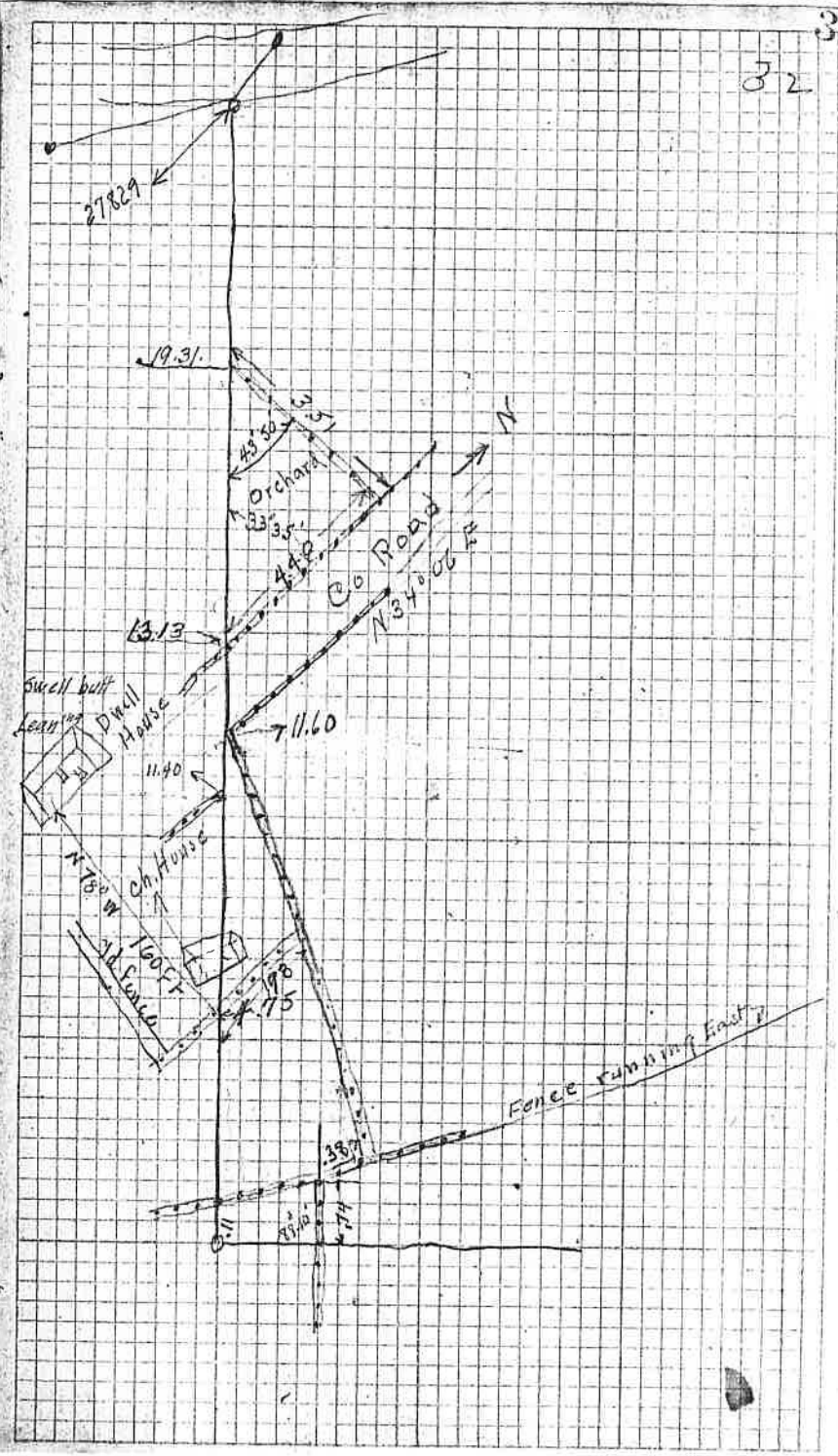
After adjourning on the 5th inst. I return to the work on above date and set in the S.W. Cor of ℄ 37, T. 30-5 as follow 3/4"x44" gal pipe and note the B.T.'s as on 1/m 5. From my Cor, I note Cain's Cor brs. S 62° 14' E 8.95 lks. From my Cor. I run the true Line North and at

0.11 Ch. I intersect Lot fence runs nearly E & W.
4.75 " " " " " " Course N 41° E. 193
11.40 " " " yd fence
11.60 " " " Lane or Co Road fence at Cor E or S line
13.13 " " " Co Road W. Line fence C. N 33° 35' E 44 lks
19.31 " " " Orchard fence on N C. S 43 30 E 3.51

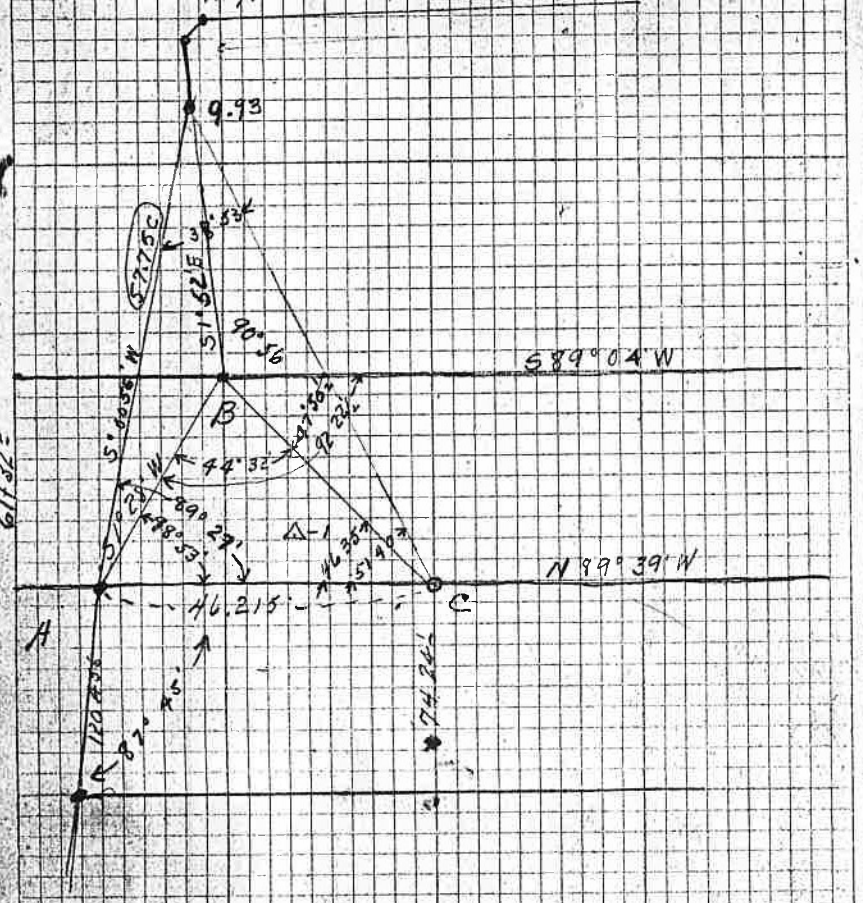
27.829 On Rt bank of River Set in 3/4"x44 gal pipe to mark line from which Cw { A.B. Oak 40" brs S 81 13 W. 65 / A.B. Oak 24" " N 72° 40' E 71

I then go to pt 80.00 on Tp Line and set up and run along Line S 89° 39' E 0.41 chs and set in Pipe 3/4"x30" 18" under the ground

I note pipe 1½"x set on Line bet Cleal & Ed Weaver. Said pipe was set by Cain From which a B.O. 18" brs N 51° 10' E 2.92



Triangle on Meakers Survey



$$\frac{\text{Sin } C}{\text{Sin } B} = \frac{c}{46.215} = \frac{.72637}{.70132} = \frac{c}{46.215} \quad c = 47.866$$

$$\frac{\text{Sin } C'}{\text{Sin } B'} = \frac{c'}{46.215} = \frac{\text{Sin } 51°\,49'}{\text{Sin } 38°\,53'} = \frac{c'}{46.215} = \frac{.7844}{.62774} = \frac{c}{46.215} = 57.75$$

9.91

Computations

		N	S	E	W
S 1°28' W	47.866 Chs		47.85		1.23
S 1°52' E	32.57		32.55	1.06	
S 43°30 W	2.17		1.57		1.49
			81.97	1.06	2.72
N 1°0 E	81.99			1.67	

			N	S	E	W
		00611				
S 89°39' E	40.046	99998		.245	40.045	
		00931				
S 00 32' E	40.20	99996		40.198	.394	
		47971				
S 28 40 W	2.869	87743		2.517		1.376
		04333				
S 02 29' W	5.218	99906		5.213		.226
		03257				
S 01 52 E	32.60	99947		32.583	1.062	
		68835				
S 43° 30 W	2.17	72537		1.574		1.494
		04217				
S 87° 35 W	20.00	99911		.843		19.982
		04217				
N 02 25 W	.64	99911	.639			.027
West	20.00					20.000
"	69					.69
N 4° 38 W	35½	08658 99625	.354			.031
			.993	83.173	41.481	43.826

South					
N 89° 04 E	45.051	.739		45.045	
N 02 29 E	5.218	5.213		.226	
West					

Survey For John Weaver

After adjourning on Mar. 8 we take up the work on May 4th and begin work at the sec. cor. for sec's 4.5.32.33 and run S 00°-32' E and set in hubs at
0.78 chs
15.083 "
39.236 "
40.20 " at this sta. I turn 29°-12' Rt. 2.869 chs. to the 1/4 cor. bet sec. 4 & 5 which I locate from one old B.T.
I set on 1/4 cor. B.S. on sta. 40.20 and Turn Lt 26°-11' 5.218 chs to sta 45+05 L on the S. bdy of Jas Weaver D.L.C. N° 37
I set on Sta 45+05 L B.S. on 1/4 and turn Lt 4° 19' to the line run south to the Sec. Cor at S.E. Cor of Sec. 5.
I return then to the 1/4 cor. and sight a line west and set in two hubs over toward John's Ranch across sec. 5

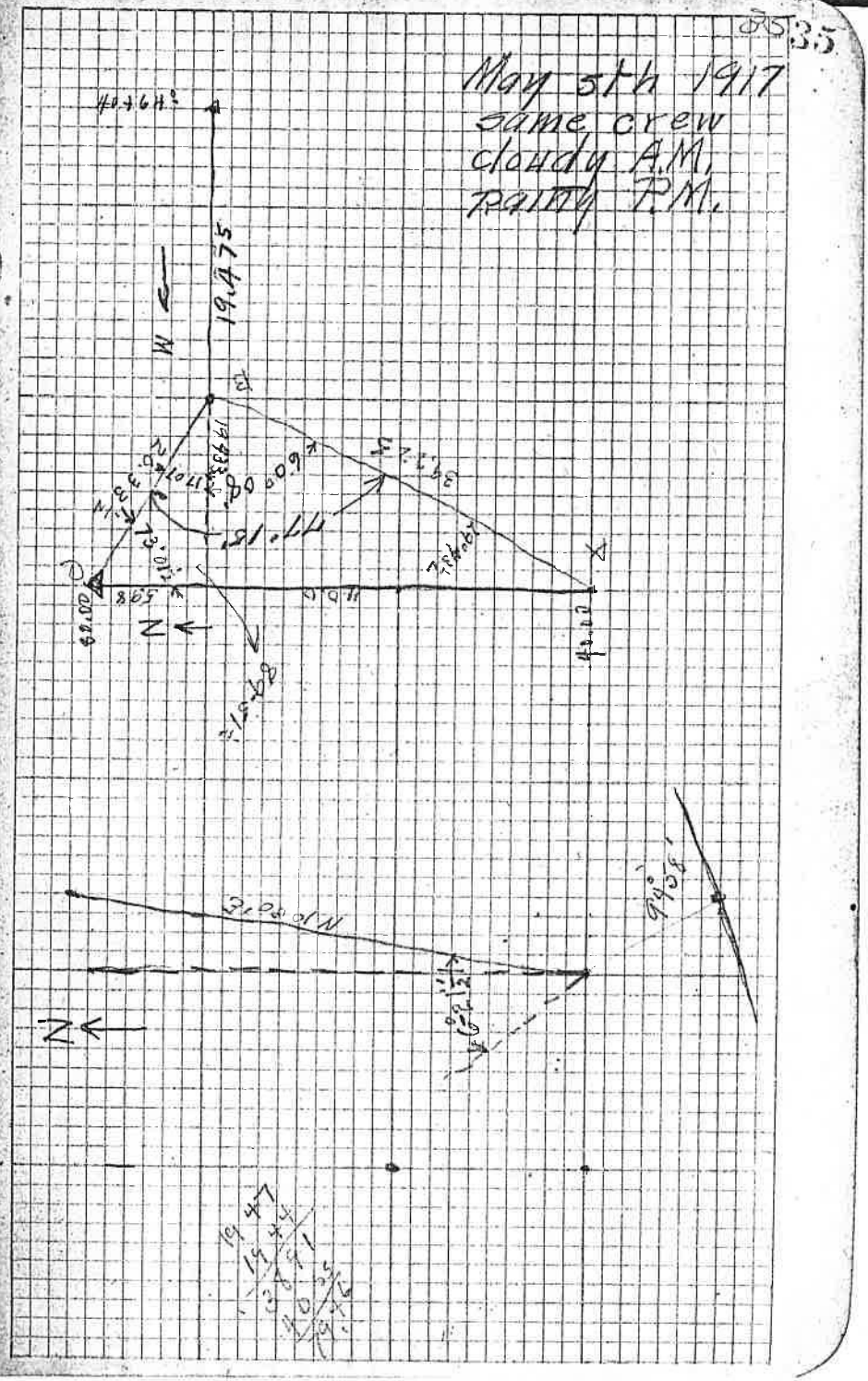
Cont.

May 4th. 1917 [illegible]
Bill Berdine ch.
Chris. Christisen ch
Doc. Martin ax
John Dick "

I begin at sta 12+50 on South bdy of Sec 5 at place left off on Mar. 5th '17 and start line on S 87° 35' W and at
13+28 Tack in stump
16+74.2 hub
18+50.8 "
20+00 " offset at rt ang. 90° .64 lks to a hub. then I B.S. on Sta 20+00 turn Lft 87° 35' and run West at
21+12.8 Set hub
22+94.1 " "
26+59.6 " " in hollow by cut wire
28+74.8 " Tack " stump
29+65.8 " hub
30+32.7 " "
34+47.0 " "
36+72.0 " "
37+61.8 " "
40+00.0 " "
40+69.0 " " and B.S. on 40+00 do not Transit and turn 94° 58' Lft or N 4° 58' W 35½ lks to Caine and Bruggs Cor.

I then continue line on west from 40+69.0 by B.S. on 40+00 and transit over and go on West

May 5th 1917
same crew
cloudy A.M.
rainy P.M.



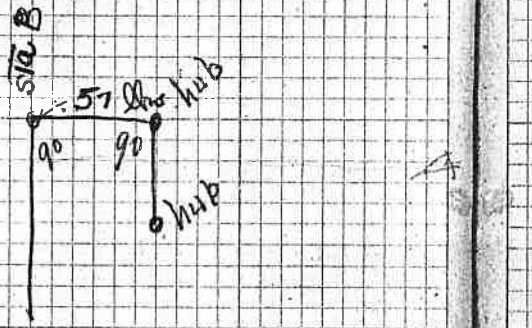
May 6th

I begin surrey at sec. cor. for sections 7.8.17-18 I find cor. from old witness trees I run North 00° 08½ E. 80.00 chs. and find that I pass over my line run yesterday from the East 5.98 chs. as shown on preceeding page. I then return on S bdy. of sec. 5 to ¼ cor. and made diligent search for cor. but could find nothing I run thence N 01°-23½ E 20.00 chs and set in hub

May 7 1917

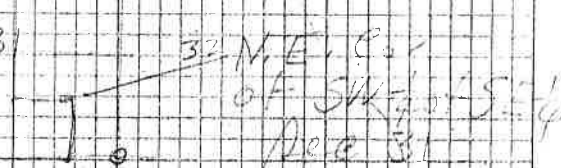
I go to the S.W. cor. of # 37 and run south 17.35 chs by B.S. on line running North, and go South
Thence West 20.00 chs
" South 11.81 " to sta "A"
" N82°49'W 14.68 " to the hub set for Cor. of Secs 5, 6, 7, 8, Sta B Set in 80.00 chs N00°-08½E from the cor of 7, 8, 17, 18. ~~or Sta B~~
at this sta. 5.6.7.8 I ~~run~~ B.S. on sta A and turn Rt 83°-55' Back along section line South which makes its bearing S00°06½W or a check of .02 I also find sta B is 158 chs N. of a line West of sta A.

N
19+94.6 = 20+00
A +92. = 20+00
20+07.7 = 20+69



S

Go to pg 50



T. 26 N

37 32

38

T. 26-4E

31 32

16 15 14

17 22

New Point Cor. 15-16-21-22

B.C. 15" D. 17° W. 150 Lks

" 14" " 11° 60' W. 135 "

" 10" " 20° " 95 "

" 8" " 25° " 92 "

Old mine

Ridge

N.E. Cor.

N 60° W

120°

Fnd 18" S 38° E 13.0 Sap

2" x 18" Bat

28" Oak Mtd

S.W.

Pixanville - Gillis Road

May-23-17

T. 26-4E

Near Blakely River

N.W. Cor.

28" Mtd

R.B.T.

Co Road To Roseby.

542' to 26"

N 18½° W 67'

12" W.O.

R.B.T.

30'

2" Oak Mtd

N 71° E 557'

Point

Thru Frank Barker W.S. McElhannon J.T. Hawkins Farms

7°09' N 28-45 E 1287'

N 38-48 W 1272'

S 53° E 1.63'

18" Pine

S 38° E 1.05'

T. 26-4E

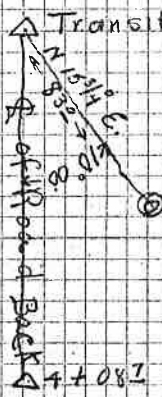
Survey of Co Road Change over Cole Hill, North of Oakland

In Road Dist. No. 39

June 26 1917
Hot & Dry

Geo. Medley, ax 1/2 day
Al. Dear Mark 3/4 "
Bob Harvey Ch 1 "
Bill Dear Flag 1 "
John Demeritt Ch 1 "
Ed Dear 1/4 "

	Ang Lt	Ang Rt.	Dist	Needle
31+02.9				
	22° 57'			S32 35 E
26+86.5				
	18° 52'			S9° 30 E
24+46.4				
	13° 13'			S9° 10' W
19+96.2				
		4° 30'		S22° 30'W
17+74.1				
	22° 02'			S18° 00W
14+73.2				
		26° 14'		S40 10° W
11+56.8				
	11° 53			S18° 30' W
8+29.7				
		50' 38½		S25 30 W
4+08.7			408.7	S25° 00 E
0+00				



Set 0 in Co Road at foot of hill

Jay Wright Ditch Survey

T. 30 S. - R. 3 W

Cor Recs. 22-23-26-27
Fir 15" N. 40° E. 552 Lks
" 24" S. 20° W. 90 "
Laurel 4" N. 20° W. 20 "
Maple 4" S. 30° E. 15 "

¼ Cor Bet. Recs 26-27
Am Oak 15" S. 30° E. 55 Lks
" " 15" N. 10° W. 100 "

Cor 26-27-34-35
Pine 30" N. 35° W. 68 Lks 44% Oak 12" S. 28° W
Fir 15" S. 10° E. 150 " 99% × 163 Lks 107%
Oak 15" N. 20° E. 136 " 89%

¼ Cor. Bet. Recs 23 & 26
Am Oak 18" S. 68° E. 66 Lks
" " 18" N. 50° E. 130 "

Sta.	+ MAIN DITCH −	Rod	Elev of Grade Line 12" above bot
			100 00
12 31	112 31	0 00	112 31
11 97	124 28		110 3
		0 80	123 48
11 74	135 22	0 56	134 66
12 40	147 06	0 49	146 57
12 14	158 71	0 03	158 68
12 74	171 39	0 17	171 22
12 15	183 37	0 45	183 22
12 20	195 42	0 28	195 14
12 64	207 78	0 24	207 54
11 74	219 28		
		38	215 5
10 98	229 96	0 30	218 98
		1 21	228 69
7 90	236 49	394	232 55
		400	232 49

300 ft. Pipe

0+00 +50

Elev. of C. or F. Stake

W. San. S. Umpq. River.

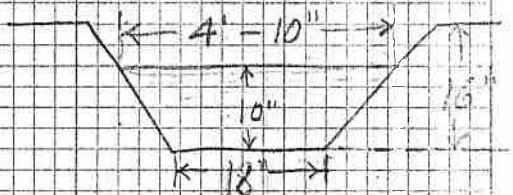
Elev. of Pump.

Jay Wright Ditch. (T. 30-3)

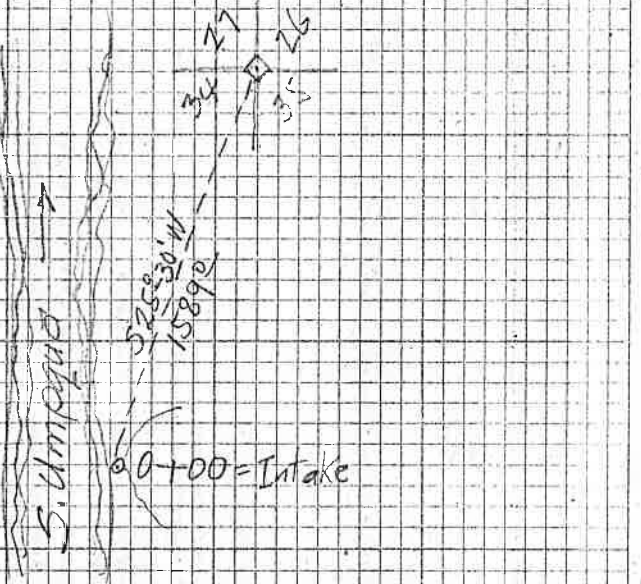
Aug. 13-17

Frear ↑ Jay Wright Ch

Josh Sielert Ch.



Grade .12' per 100'



C 12"
C 12"

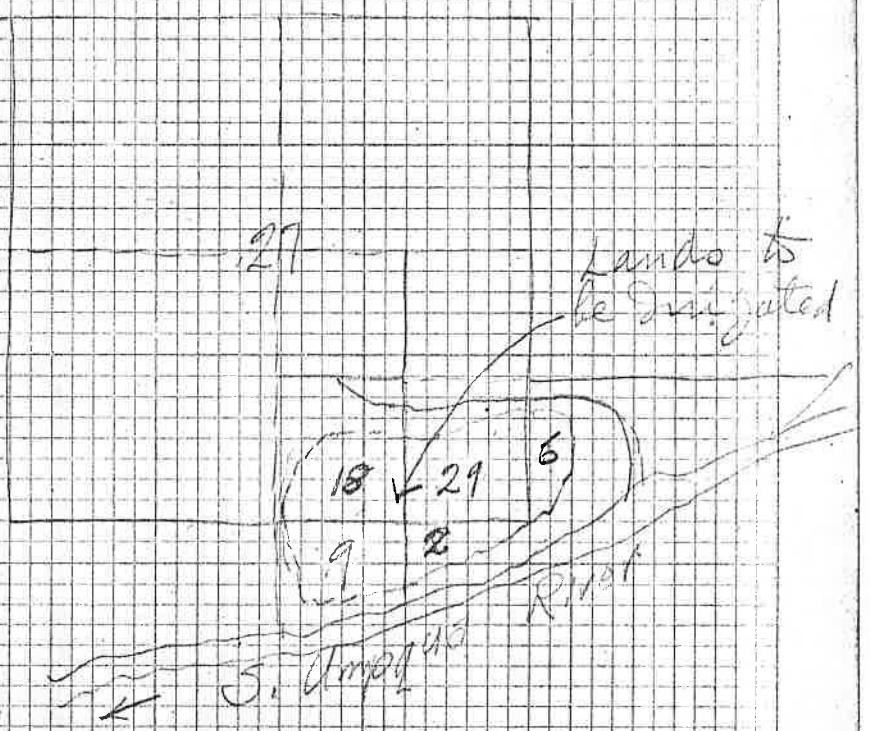
Sta	+	↑	−	R	Elev
1+00		236 49		406	232 43
+50				412	232 37
T.P.	0		2 92		233 57
	160	235 17			
2+00				286	232 31
+50				292	232 25
3				298	
+50				304	232 13
+80				308	
4+00				310	232 07
+50				316	
+75				318	231 99
T.P. 1	0		2 20		232 97
	570	238 67			
5+00				672	231 95
+50				678	
6				684	
+50				690	
7+00				696	
+50				702	231 65
7+50 T.P.	0		6 35		232 32
	154	233 86			
8+00				227	231 59
+50				233	
9+00				239	
+50				245	
+75				248	
10				251	
+50				257	
11+00				263	
+50				269	
12+00				275	231 11
+50				281	
13				287	

Cut. 1.0

MAIN DITCH

412

On 1+50



Sta	+	↑	−	R	Elev.
13+50		233 86		2 93	230 93
13+50	0		2 41		231 45
	2 27	233 72			
14+00				2 85	230 87
+50				2 91	
15				2 97	230,75
+50				3 03	
16				3 09	
+50				3 15	
17				3 21	230 51
+50				3 27	
17+75	End			3 30	230 47
B.M.			0 43		233 29
					−0 17

(T. 30) - (R - 3) MAIN DITCH

Dec. 27-

42
15

Wait in Small Fir 100' North 17+75

Tie Line

17+75 End.

S. 32°-30' E. 184.63'

S. 31° E.

15°-16'

27

26

34

35

S. 26½° E.

103°-22'

N. 15° E. 114.0'

16+00

LATERAL
Jay Wright Ditch

43

Sta.	℄	ℋ	—	R	Elev.
0+00	2 48	102 48			100 00
0+50				2 54	99 94
1+00				2 60	
+50				2 66	
2				2 72	
+50				2 78	
3+00				2 84	99 64
3+00 @ On Stake.			1 91		100 57
0+00	2 48	102 48			100 00
+50				2 42	100 06
1+00				2 36	
+50				2 30	
2+00				2 24	
2+50				2 18	
T.P. 2+50			1 21		101 27
	5 24	106 51			
3+00				6 15	100 36
+50				6 09	
4+00				6 03	100 48
+50				5 97	
5+00				5 91	100 60
+50				5 85	
6+00				5 79	100 72
+50				5 73	100 78
6+50 @			4 75		101 76
	2 00	103 76			
7+00				2 92	100 84
+50				2 86	100 90
T.P.			3 94		99 82
	3 63	103 45			
8+00				2 49	100 96
				2 49	

Down ↓

Up ↓

+0.12

Sta	+ Drain	↑ Ditch	— for	R Sta	Elev Straight
0+00	2.40	102.40			100.00
1+00				49	97.5
2+00				57	96.1
3+00				54	97.0
4+00				57	96.5
4+25				65	95.9
5+00				71	94.2
	1.84	97.52	6.76		95.64
6+00				34	94.1
7+00				68	90.2
8+00				74	90.1
8+15				82	89.3

97.2	C. 3'-0"
95.9	C- 1'-7"
94.8	C- 1'-11"
93.7	C-3'-4"
92.4	C-3'-11"
92.2	C-3'-8"
91.5	C-3'-3"
90.4	C-3'-8"
89.3	C-1'-5"
88.2	C-1'-11"
88.0	C-1'-4"
	Bottom Ditch

4
1.5

Aug 14-17
Frear K
Jay Wright
Fred Sielert

W. Sur. Aug. 14-17-S. Lowry

Pamp.

Sta.	+ Fred ↑	− Sielert ↓	R	Ditch Elev.
	11 20	111 20		100 00
			0 66	110 54
	11 61	122 15		
			0 40	113 2
	12 23	133 98		121 75
			0 14	133 84
	11 98	145 82		
			0 14	145 68
	12 43	158 14		
			0 08	158 03
1+27	12 96	170 99		
			0 50	170 49
	11 43	181 92		
			0 57	181 35
	11 34	192 69		
			0 35	192 34
	12 73	205 07		
			0 70	204 31
	10 25	214 62		
			3 23	211 31
0+00	5 87	217 24		
			5 93	211 31
			5 49	211 25
0+50			6 25	
1+00			6 11	
+56			6 17	
2+00			6 23	211 01
+50			6 29	
3+00			6 25	
+56			6 41	
4+00			6 41	
+50				210 77
5+00				211 66
T.P.		558		

600' Pipe
440' Pipe

=0+00 Ditch. (High Ditch)

1st. Ditch takes Out. (Lower Ditch)

B.M. = 206 55 on N.W. Cor. Barn

Sta.	+	↑	−	R	Elev
	38	215 47			211 66
5+50				476	210 71
6+00				481	210 65
+50				488	
7+00				494	210 53
+50				500	210 47
8+00				506	210 41

End of High Ditch.

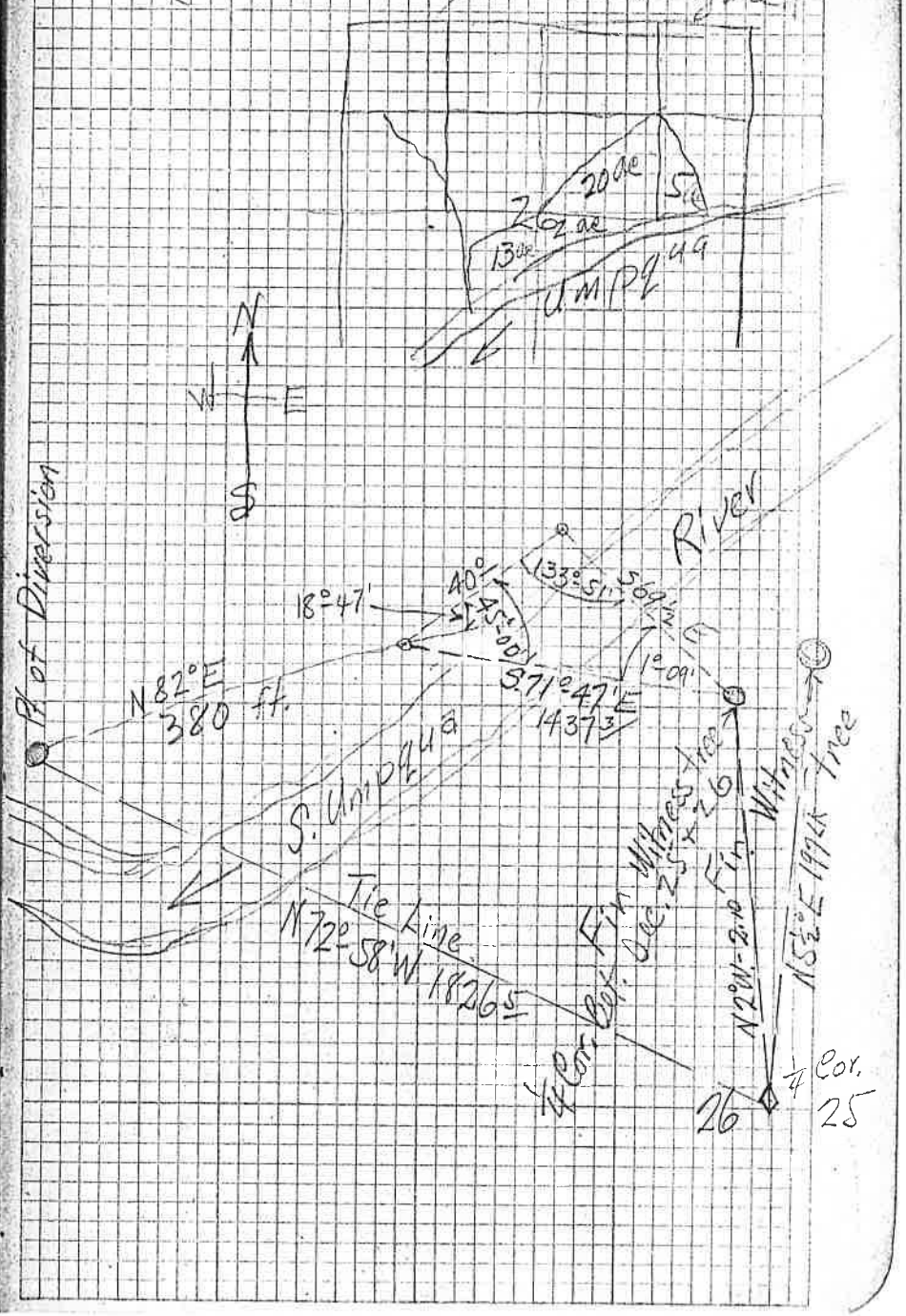
Lower Ditch.

0+00	32	161 73			158 03
0+50				376	
1+00				382	
+50				388	157 85
T.P. ⊙			6 04		155 69
	56	161 30			
2+00				351	157 79
+50				357	
3+00				363	157 67
+50				369	
4+00				375	
+25				378	157 52
T.P. ⊙			2 96		158 34
	27	161 05			
+50				356	157 49
5+00				362	157 43
+50				368	
6+00				374	
+50				380	
7+00				386	157 19
+50				392	
8+00				398	
+50				404	157 01
T.R. ⊙			2 94		158 11

Sta	+	↑	R	Elev
	368	1612.9		158.11
9+00			484	156.95
+50			490	156.89
10+00			496	
+50			502	
11+00			508	
+50			514	
12+00			520	156.59
+50			526	
13+00		End of Low Ditch	532	156.47
+50			538	
14			544	

(T. 30 - R 3)

40 acres to be irrigated



Sta	+	−	R	Elev.
3+00	5 14	105 31		100 51
3+00			6 01	99 64
+50			6 07	
4+00			6 13	
+50			6 19	
			6 25	99 46
T.R.		5 21		100 50
	4 18	104 68		
5+00			5 28	99 40
+50			5 34	
6+00			5 40	
+50			5 46	
7+00			5 52	
+50			5 58	
8+00			5 64	
+50			5 70	98 98
9+00			5 76	
+50			5 82	98 86
T.R.		4 96		99 72
	3 13	102 85		
10+00			40 $	98 80
+50			41 1	98 74
11+00			41 7	98 68
T.R.		3 21		99 64
	5 28	104 92		
11+50			6 30	98 62
12			6 36	
+50			6 42	
13			6 48	
+50			6 54	
14			6 60	98 32

Day Work

$105 - 31 = 74$

$74 - 5 = 69$

$69 - 21 = 48$

$48 - 4 = 44$

$44 - 18 = 26$

$26 - 3 = 23$

$23 - 13 = 10$

$10 - 5 = 5$

$5 - 28 = -23$

14+50		104 92		6 66	98 26
15+00				6 72	
+50	End.			6 78	98 14

Amos Baker

12 45	112 45			150 00
			2 0	140 5
		0 43		112 02
12 29	124 31			
		1 04		123 27
11 83	135 10			
		0 48		134 62
13 05	147 67			
		0 31		147 36
13 30	160 66			
		0 68	0 68	159 98
11 85	171 83			
		0 18		171 65
13 08	184 73			
		0 47		184 26

W. Sur. Umpq. River

Pump

Survey For J.R. Weaver. Cont

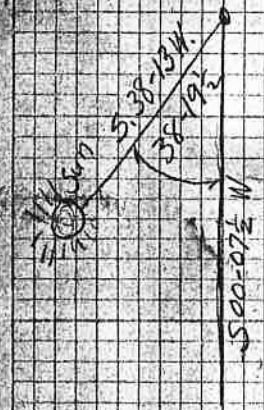
Sept 13 4
2 days

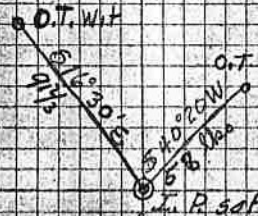
Jan. 22-18
3. P.M.

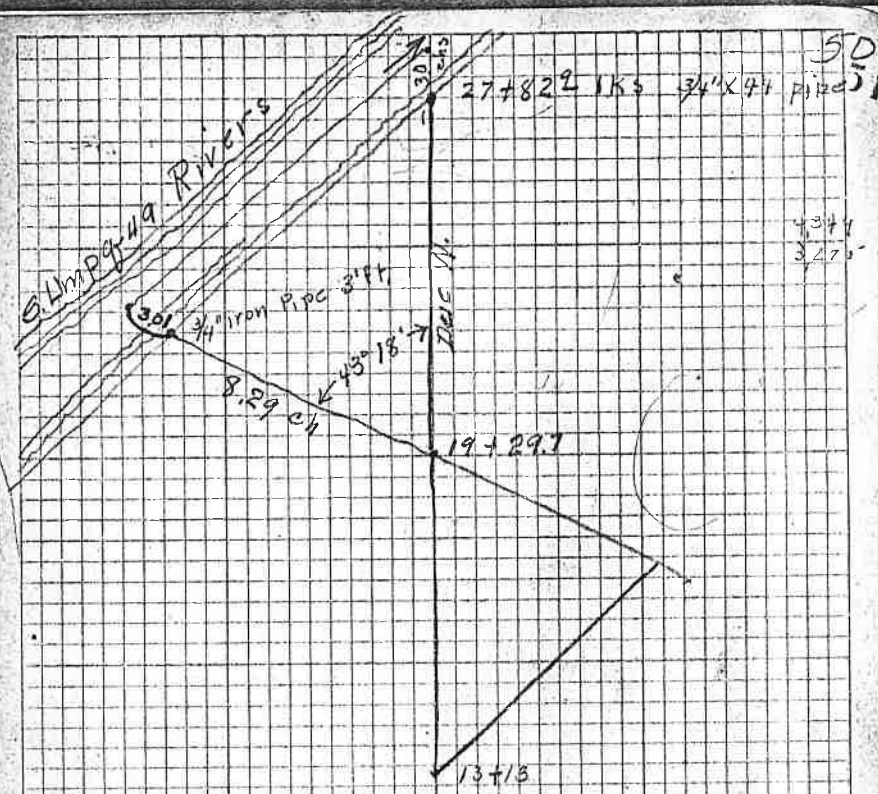
Alt. 18°-12'-(60-16') = 17°-56'-00-03' = 17°-53'
Hor. 38°-14½' Rt.
S. 38½° W
Lat = 42°-59'
Dec. = 19°-41-23"
Alt. = 17°-53

A = .3018
B = .4840
A+B = .7858

S. 38°-13' W By Meind.
Sum = S 38-18 W By Calculation
or S 00°-01½' W = Bearing
N. 00°-01½' E







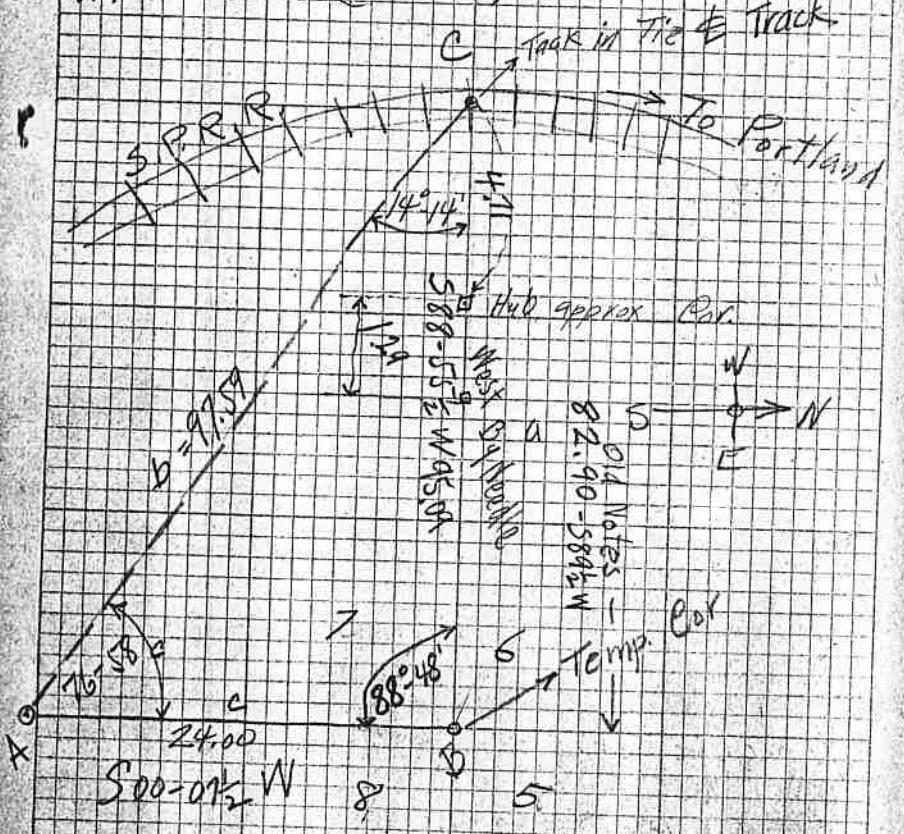
¼ Sec. Cor. bet. Sec. 5 + 4 Set 3/4"x24" pipe From Which
A.W. Oak 5" dia S 13° 30' E. 23⅓ Lks
O.W. Oak 13" " S 46° 18' W. 2.726 "

Set in For Cor of Sec's 4-5-8-9 T30-5
3/4"x30" From Which
A.W. Oak 6" dia N 42° 10' E .065 00° 00
A.W. Oak 12" " N 26 30 W .105 69° 00 Lk
A.W. " 7" " S 9° 20 E .035 Chs Cor 128 30 Lk

Set in 3/4"x24" iron pipe 14" down under ground For Sec 4.5 33.32
A.W. Ohio 6" dia S 43° 30' E 3.275 chs
A.W. Ohio 6" " N 36° 00 E 4.349 chs
An old B.T. B.O. S 62° 00 E

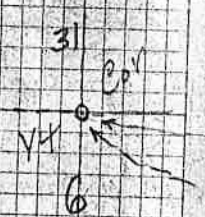
Survey for: J. R. Weaver

Jan. 22-18 (T. 30-5)



N 43-06 W
S 43-06 E
S 50-00 E
13-06 - 3.94 ch.

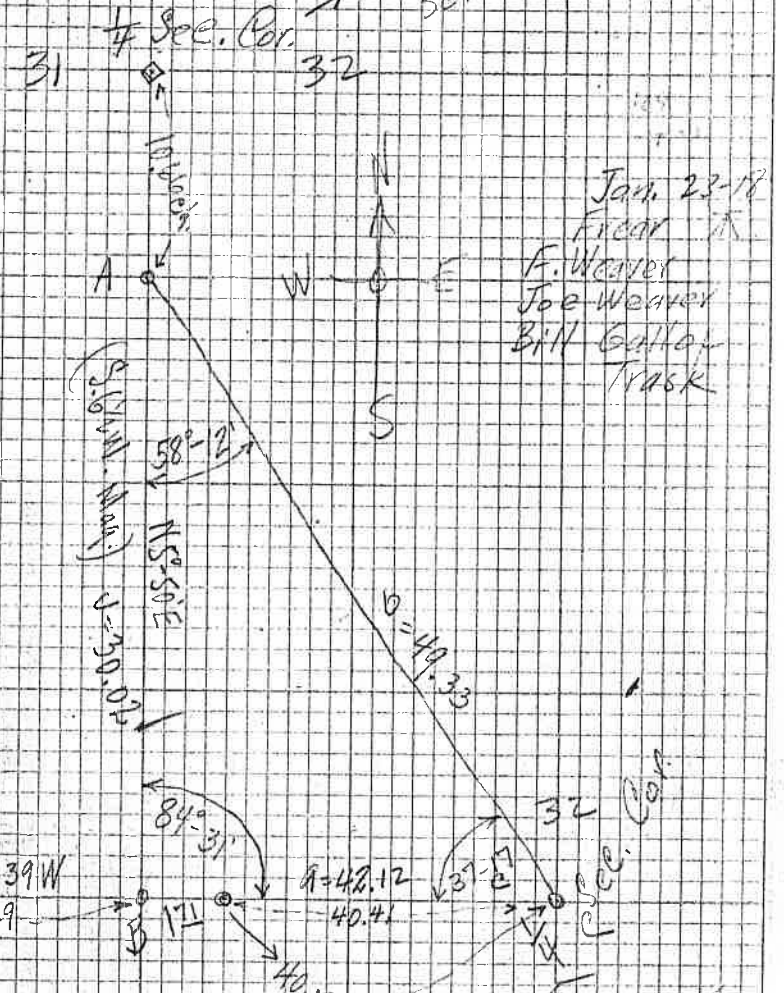
For True Line
See Page 53



51

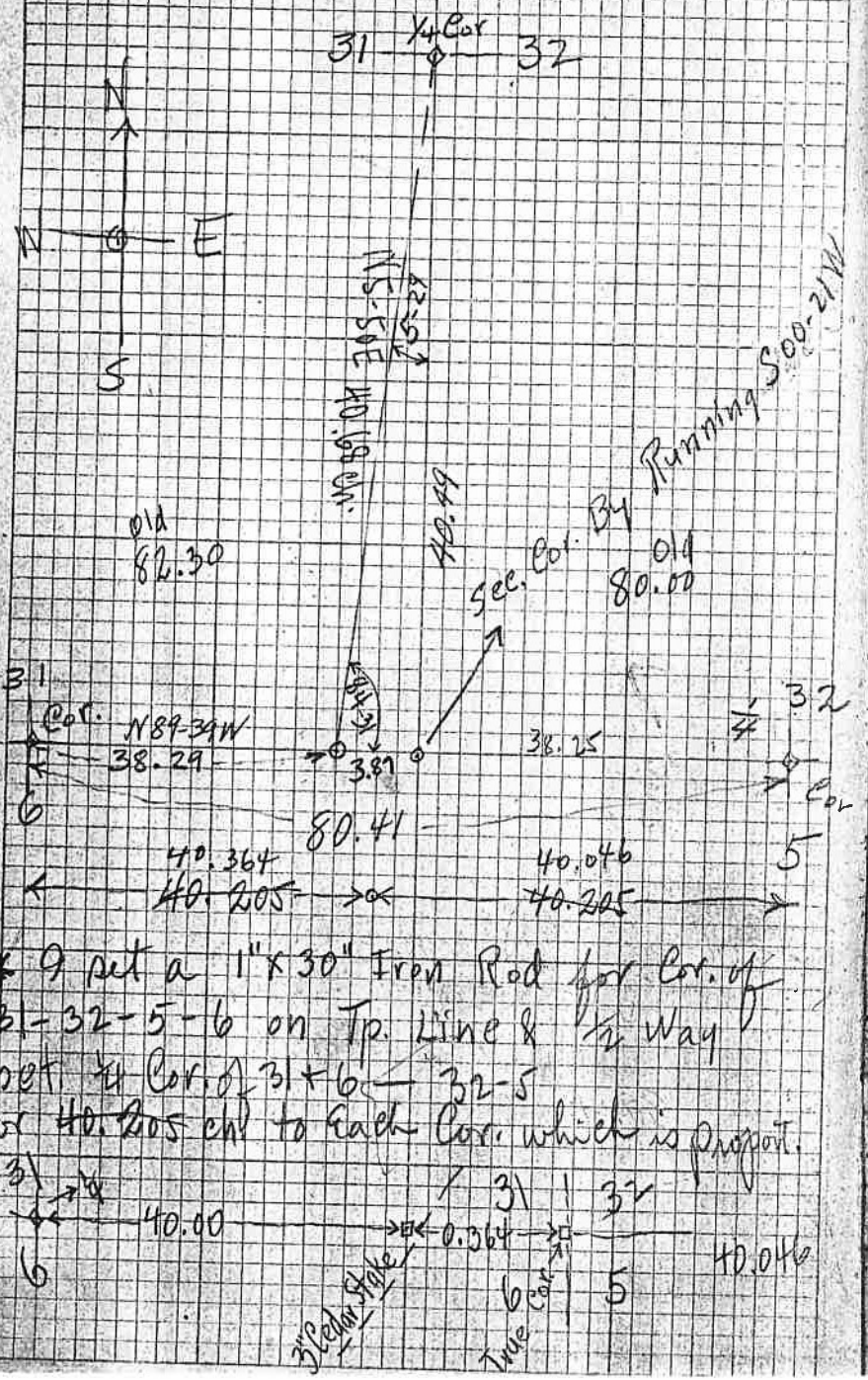
(T. 29-30 - R. 5)

Found & Set 3/4" 30 Cal. I. Pipe
2 Trees & Rock

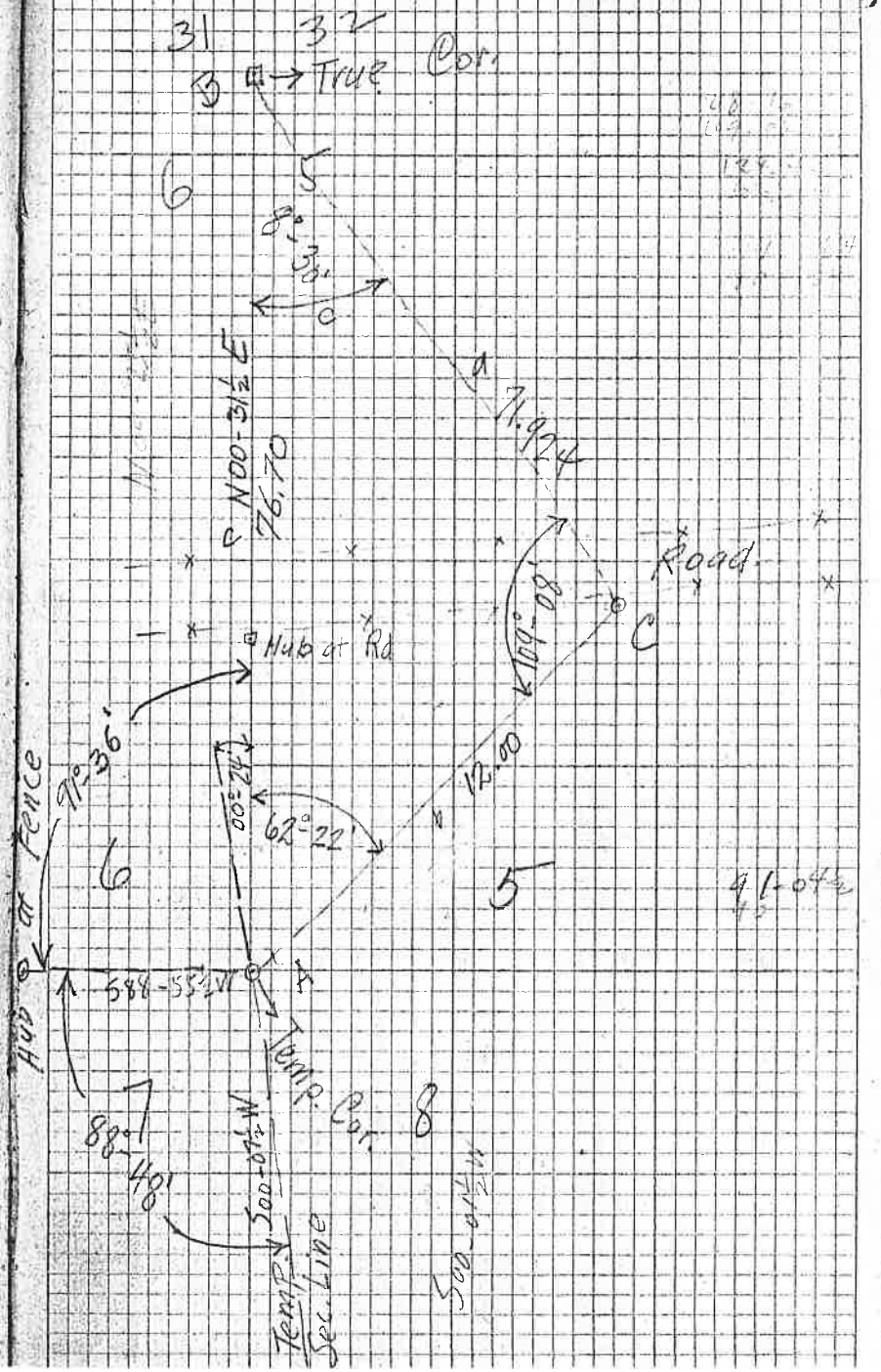


Corner

For Calc. Page
See Next



* I put a 1" x 30" Iron Rod for Cor. of 31-32-5-6 on Tp. Line & ½ way bet. ¼ Cor. of 31+6 — 32-5 or 40.205 ch. to Each Cor. which is Proper.



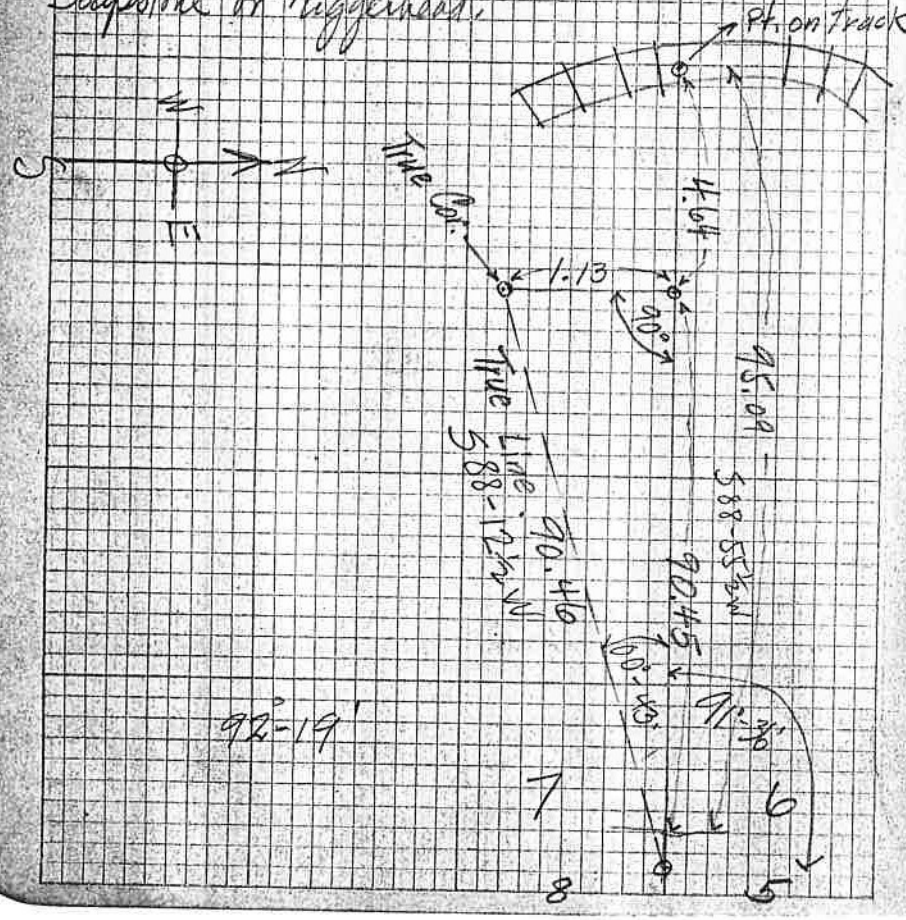
Jan. 24-17 - Same Party Strong - Warm

I Made a diligent search for Cor of 6-7-1-12 - (T. 30 - S. 8 E.) and found a 24" B.O. Plainly marked

B. - 14" W. Oak. S. 39°-10' W. - 4.07 ch.
B. - 12" W. Oak. S. 10° E. - 3.64 ch.
B. - 12" B. Oak. N. 61-45 W. - 3.25 ch.
B. - 24" B. Oak. N. 30° W. - 3.94 ch. found Marks

All other Trees Gone.

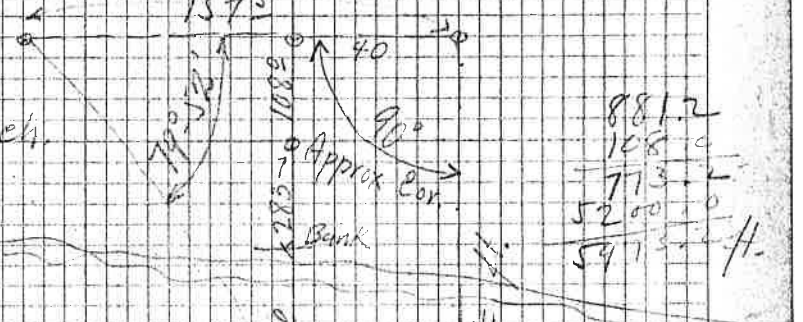
Set. 1" x 30" Iron Bolt & 12" x 18" x 8" Soapstone or Riggerhead.



Jan. 28-17

I Began at Cor. of Sec. 7-18-17-18 and Run West Log Meas.

26+40 - ½ Mile Stake
30+00 Top of Hill
30+68 15" Burr
30+84 Leave Burr
52+00 Hit Rt. Bank and Offset 40' North
52+20 →



8812
168
7713.2
5200.0
5913.2 H.

Ash 18"
N 44½ W
8.21 H.

56+40 Rt. Bank
59+73.2 Pet. Temp. Corner from which
14" Ash Bears N. 41½° W. - 8.21 H.
Dailed
59+73.2 = 90.50 ch.

Jan. 29-17

I Est. Cor. 5-6-7-8 By 1"x48" Buggy Axle 10" Deep from which a 3" Cedar Stake N. 45° E. 58 ft. Mark S. 5 with Pile of Boulders Above. 2. 3" Cedar Stake S. 45° E - 58 ft. Mark S. 8 with Pile of Boulders Thence N 00-31½ E. on True Sec. Line Between Secs 5 & 6

1+34.65 Temporary Corner

20+00 Stake

25+12.68 Set ¼ Cor Bet. 5 & 6

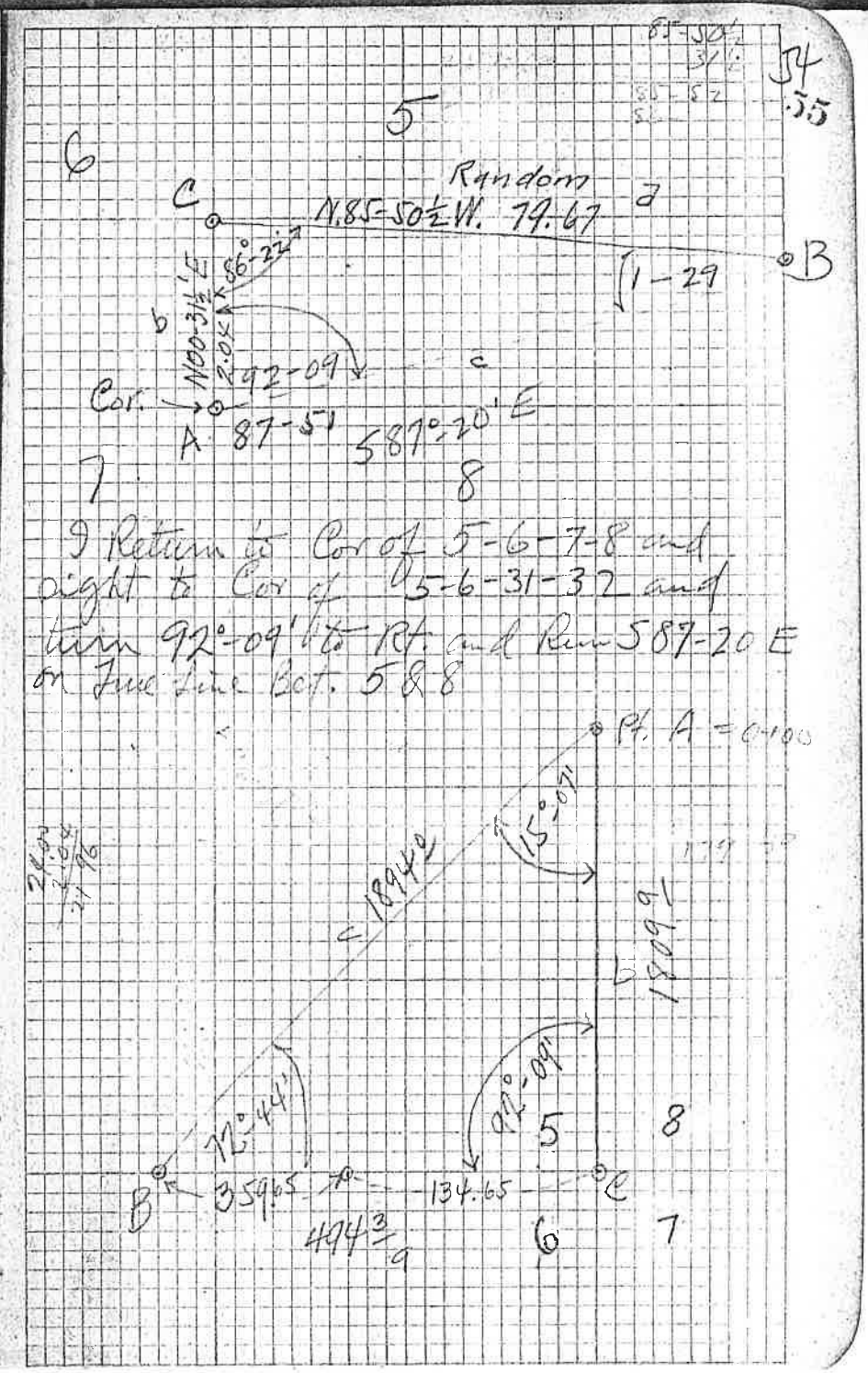
a 1"x36" Galv. Iron Pipe 6" Deep from which a

10" Pine tree Bears N 36° W. - 9 ft.

10" " " " S 22¼° W. - 11.5 ft.

Then Run on a True Line to the ¼ Cor on East Side of Section needle 5.87° E and Set Row of Hubs Post Cor. Sec. 5

Freas
Wm. Gallop
F. Weaver
Trask
Hugh Black
Joe Weaver.



Sta. Dist Bearing True

17+38 ±
202 ±
15+36 ±
144 ±
13+91 ±
(+21-45) 18 ± = 73 ±
13+18 ±
105 ±
10+08 ±
68 ±
9+39 ±
146 ±
(+19-47) 100 = 94 ±
8+30 ±
814.1 ± 1/4 Col. Set 1" x 4"
606 ± ft.
(-31-00) 86 = 73.1
(-29°-00') 100 = 87 ±
6+09 ±
(-23°-37) 146 ± ft. = 134 ±
4+75
4+69 ± = 193 ±
3+95
0+74
0+00 = Pt. A
18 1809 ± S89°E S87-20 E
Cor. 5-6-7-8

Jan 30-15
Same Party
Cold - cloudy.

35 60 20 21 27

4069
2441.4
2441.4
2685.5 lft.

79.67

4780.2
4780.2
5258.2
2629. lft.

91°-57'

5°-57'-24"

2.05

N87-20 W
Out Line
2°-59'
S89-43W. 89.87
Germonds

Burgh Co. Rd. 7

Town Line

4 Stone Pts.

S 87° E.

46 ± ft.

12°-30'

56

Jan.

Sta. Dist.

1" x 36" Iron Harrow Stopped Here at Cen. of Section.

25+88½ to Cen Sec. 1294.3 Ft. = ½ Way

9 Return to ¼ Cor Bet. 5-8 and Turn 5246 Ft.

34+36½ I fall .02 ft. North of Cor.

415

30+21 ±

263.5

27+57.3 On Ridge

388.2

23+69.3 Cr. Bet. 4" Oak Stake dist. 341.5 (21+25.6) to Cor. from which

20+27.8

100.5

19+27.3

188.2

17+38.8 ×

- S 87.20 E

91.2 - 51' Ft. of N 00° 43' E Needle Read. 1.1° E

2° E Varn from 40° Long.

an 8" Sauck Beam S. 77¼° W. 8.2 Ft.

an 8" Ash " N. 63° ½ W. - 11.3 Ft.

1320.
1294.3
25.7

4 Cor.

S2°-29' W 22

Cor.

Line 52°-29' W
1°-31'
500.18 ft.

N1°-15' W
51°-32'½ = 32.5 ft.

at A Sight on
Line A-B
10 A.M. Jan. 31-18
Hor. 50°-05' Rt.
Vert. 21°-15'
Needle 5.54° E

A set 1"x30" E Rod. from 12" W.O. S 00°-15' W 48½ ft.

Mise Tag 26½ ft. to W.

13+05 73 D.L. 22.4
8+73 18½
6+65 16½
2+73 14½
0+84 13.35
0+00
Cor.

Rate .0103 per ft.

Jan. 31-18
Same Party
Sunny - Cold.

Sec. 5 - (T. 30-S)

N89°-39' W

40.046 40.046

N 00-31½ E. 5196.84

2624.16 ft.
(39.76 ch.)

2572.68 ft.
(38.98 ch.)

N 01-21' E. 42.73

N 00°-58' E 39.35

S 87-37 E 2620.6

1310.3 1310.3

88°-20' 91°-25'

D.T.C. 1" G.I.P. 40"

88°-16'

N 60°-43' W

A S 87-28½ E B

92°-09' 91°-57' 88°-18'

2623 1311.5 1311.5

S 87-20 E 5246.0 Ft.

B = ¾" x 36" Gal. I. Pipe. 51.18 B.O. - N. 36° E. 44 ft.
a 12" W.O. - N. 27-20 W. - 67½ ft.

2597.15
1298.55 ft.

39.35
.66
2361.0
2597.1 ft.

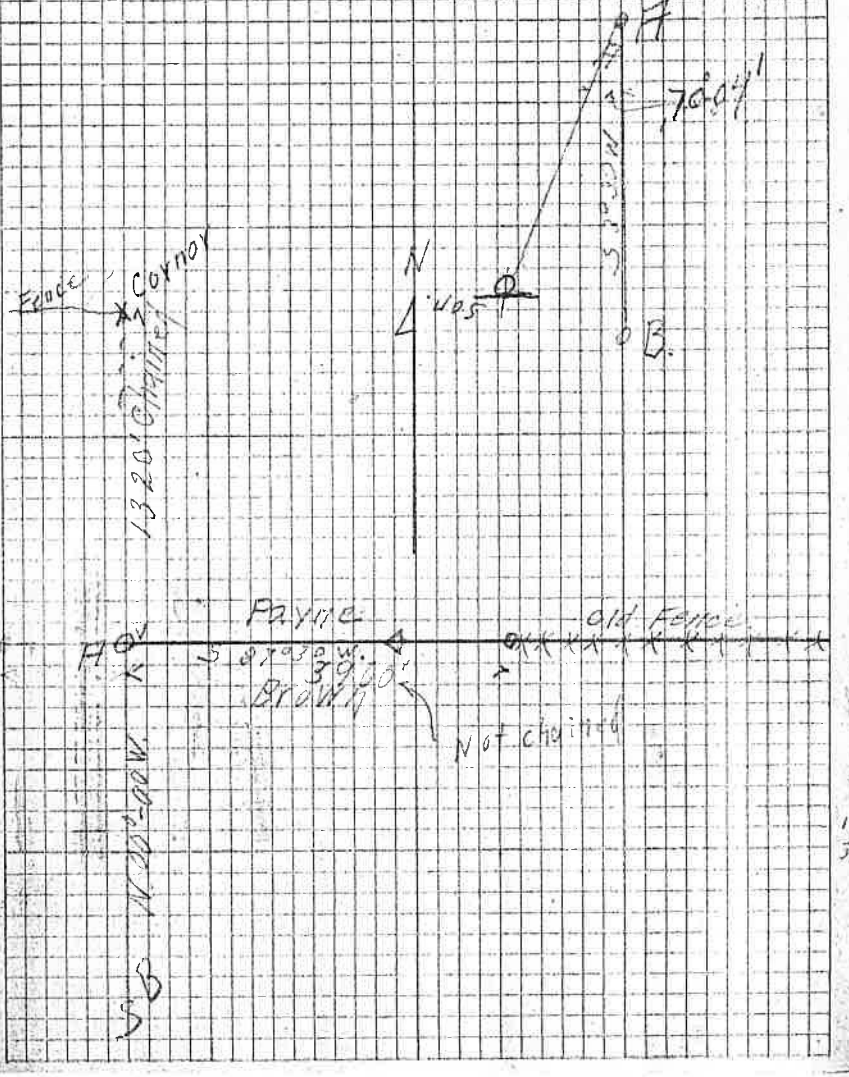
Brown & Paine E & W Division line

Used Old Fence line As line Produced
Line to get Required - ine.

Epperson
Payne chain
Brown "
Very Rainy

Sun Observation

Sept 3 1919
1:25 P.M.
Hor A 70°04'
Vert 31°-02'
Needle 5° E of W
T 27 S, R 5 W.



1320/3/5760

Field Book No. 42

Pages 60 - 76 Blank

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

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

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