

CADASTRAL SURVEYS



FIELD BOOK

82 0012

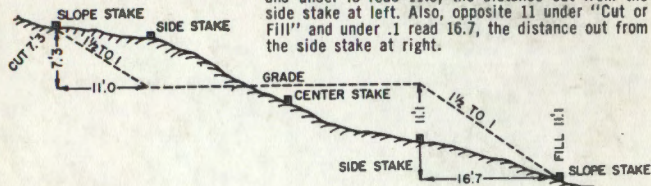
BOOK NO. 4

CADASTRAL SURVEYS BOOK 4

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

U.S. FOREST SERVICE
CASS LAKE MINN



The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

KEUFFEL & ESSER CO.

Cadastral Surveys Book #4

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PORTAGE LAKE SURVEY

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1

PORTAGE LAKE SURVEY
Between
T145N R28W & T145N E R29W

802-068-01-08-00

2

STA OCCUPIED	STA SIGHTED	DEFL. \angle	DIST.	VERT. \angle	SLOPE
			84.92	0°	
			100.00	0°	
			35.00	0°	
			30.00	0°	
1923437 P.O.T.	192687 P.O.T.	0°01' LT	99.76	4°	100.00
			349.68		
1923437 P.O.T.		0°01' LT			
			63.65	3°	63.74
			100.00	0°	100.00
			99.76	4°00'	100.00
			99.64	4°50'	100.00
			30.00	0°	
P.O.T. 1919442	P.O.T. 1923437		393.05		
P.O.T. 1919442 pipeline			72.05	6°00'	72.45
			99.34	6°30'	100.00
3936 50	P.O.T.		171.39		

January 17, 1968

Clear + 20°

Okerman Ekstrom

Elliott, Manson

+80 - - - - - E Rd.

□ Nail in 2x2 hub with good

In Red Pin

Nail in 2x2 hub with good

C.L.O. B.C.

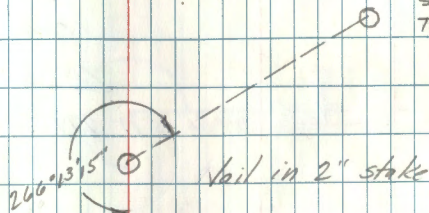
S.C.
T145N R27W

535 5.36

3

STA Occupied	STA Sighted	Horiz. \angle	Dist	Vert. \angle	Slope D.
			113.32		
			100.00	0°	
			100.00	0°	
P.O.T. #1	1934+53 POT		313.32		
<hr/>					
			17.62		
			100.00		
			100.00		
P.O.T. #1	C.C.	86°15' RT	217.62		
<hr/>					
			3.31		
			100.00		
			100.00		
1929+36 POT	P.O.T. #1	0°01'15" LT	203.31		
<hr/>					
			49.25	0°	49.25
			99.42	6°10'	100.00
			99.76	4°	100.00
1926+87 P.O.T.	1929+36 POT	0°01'15" LT	248.43		

G.L.O. B.C.
T.H.S. N. R29W
S34
S2 | S1
T.H.S. E29W
C.C.
1926



1+00 Lu balkam enter cedar

□ Nail in 2x2

2+00 Lu Pine enter balkam

□ Nail in 2x2

4

Sighted	Sighted	Horiz \angle	Dist	Vert \angle	Sl. Dist
			100.00		
			100.00		
P.O.T. #2	P.O.T. 1952-181	0°	738.18		671.60
			79.82		
			100.00		
			100.00		
P.O.T. #2	SC #536	91° 14' 45" R	279.82		
			58.36		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
P.O.T. 1934-53	P.O.T. #2	0°	1158.36		

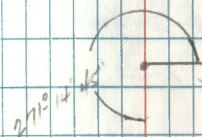
January 18, 1968

Cloudy +20°

Okerman, Elliott

Ekstrom, Munson

Lv. meadow enter brush

Spike with red paper in
bag

581° 28' N Magnetic

Lv brush enter meadow

Lv cedar enter brush

2x2 hub with nail

5 STA Occupied	STA Sighted	Dist	Vert	Sl. D.
----------------	-------------	------	------	--------

100.00

100.00

100.00

100.00

100.00

100.00

100.00

A.P. #1	A.P. #2	69°01'45" R	2127.66
---------	---------	-------------	---------

39.59 0°

100.0 0°

100.0 0°

100.0 0°

100.0 0°

P.O.B.

P.O.B. = P.P. #1	88°00'15" LT	439.59
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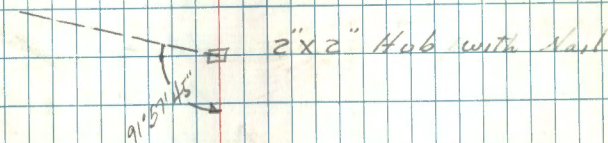
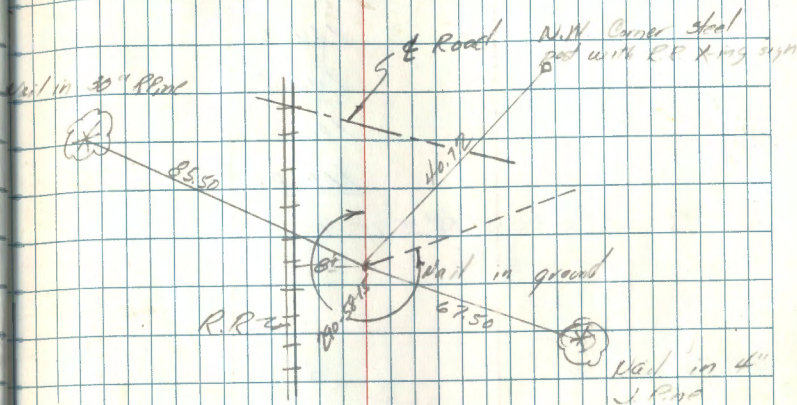
71.60

100.00

100.00

100.00

100.00



67 95 & of E.S. Rd # 2131

Pipe line STA 1252+81 = 0400

4450 to cedar enter pipe & hardwood

2150 to brush enter cedar

54.38
 100.00
 100.00
 254.38

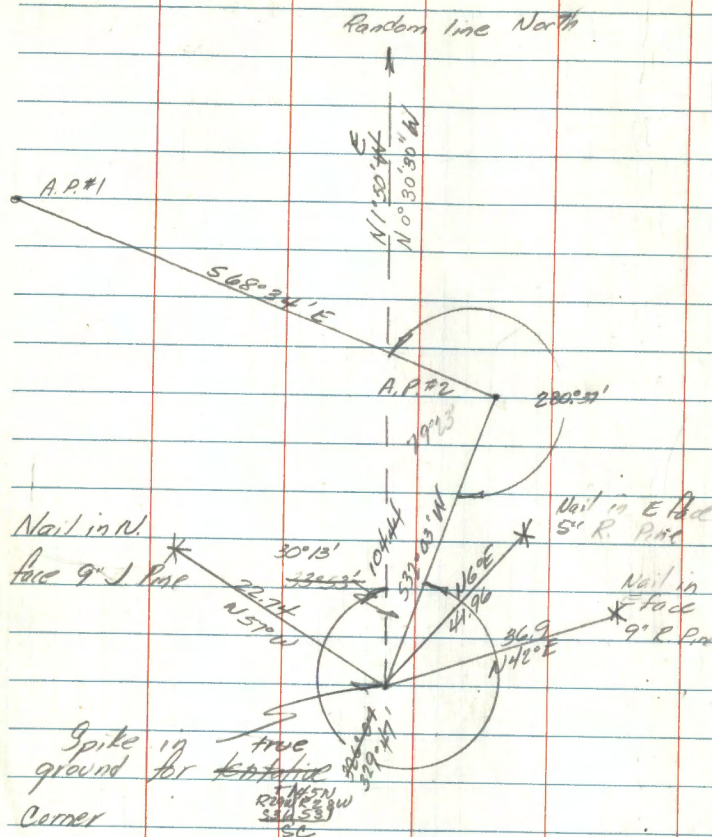
A.P.#3 C.C.

AP # 3

51.85
 100.00
 100.00
 100.00

117° 24' 05"

Spike B.H.



Turned to N. 30° 01' 45"

February 2, 1968
 +15° City Lt. Snow
 Okerman & Elliott

February 5, 1968
 +30° City Lt. Snow
 Okerman
 Elliott
 Ekstrom
 Morrison

Cut of

NO POT #2 B.S. POT #1

Horiz ^{AZIMUTH} & VERT ^{VERT} & TIME

27° 11' 45" 67° 51' 30" 2:16:20

27° 27' 10" 67° 36' 40" 2:17:21

27° 38' 67° 40' 40" 2:18:05

+3

208° 08' 40" 292° 09' 05" 2:20:13

208° 24' 20" 292° 04' 20" 2:21:19

208° 37' 10" 292° 00' 15" 2:22:10

February 5, 1968

NO POT #5 B.S. POT #4

February 6, 1968 Watch time 30 seconds fast

~~359° 00' 05" 65° 16' 35" 11:15:51~~

340° 06' 00" 65° 13' 30" 11:16:52

340° 12' 35" 65° 11' 50" 11:17:17

Direct 340° 36' 50" 65° 06' 40" 11:18:53

340° 44' 50" 65° 05' 05" 11:19:29

340° 51' 15" 65° 03' 25" 11:19:48

Inverted 161° 25' 20" 295° 03' 10" 11:22:03

161° 38' 05" 295° 03' 55" 11:22:33

161° 43' 295° 06' 11:23:08

10

STA. OR.	STA. SIGHTED	HOEL	DIST	VERT. A.	SL. PL.
			19.89		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			34.00		
POT #2	POT #3	0°00'	953.89		
			87.71		
			100.00		
			100.00		
			100.00		
			94.62		
			5.38		
			100.00		
			60.00		
			40.00		
			100.00		

3rd Top Cr POT #2 149°58'15"E 787.71

787.81

POT #2 Sp in ground

Enter Plantation
POT (nail in $\frac{1}{4}$ of mile)

E RR. (Sea)

Sp in ground

SEA OCCURRED	SEA SIGHTED	HORIZ	DIST	VERT	S. D.
--------------	-------------	-------	------	------	-------

51.25

100.00

100.00

100.00

100.00

100.00

P.O.T. #5 P.O.T. #6

551.25

3715

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

P.O.T. #4 P.O.T. #5 80°43'25"E 837.15

53.45

P.O.T. #3 P.O.T. #4 80°43'25"E

445 & Road

~~51.25~~

February 6, 1968

Clear + 15°

Okama, Ekstrom

Manson, Elliott

2604325

□ Nail in 1 x 2 hub

3A COVERED 51A SIGNIFIED HOPE 2)

POT VERT 4 SL. D.

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

POT #7

4931.46

12.24

100.00

99.65

4'45" 100.00

POT #6 POT #7

211.89

PORTAGE

LAKE

7+00
 300 to shore portage - lake

N 34° E

Edge willows

+50 toe slope

Spoke in 10' maple stp.

13

STA OCCUPIED STA SIGHTED (Horn L) DIST VERT 3 SL. D.

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

PORTAGE

LAKE

14

STA OCCUPIED	STA SIGHTED	Horz A	Dist	VERT A	SL. DIST
			100.00		
			100.00		
Pat # 10	Pat # 11		516.60		
			67.40		
			100.00		
			100.00		
P.O.T. #9	Pat # 10		267.40		
			41.61		
			100.00		
POT #8	P.O.T. #9		101.67		
			56.45	17°42'	59.25
			75.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		

Nail in ground

1+26 E Road

S54°E

Nail in ground

N. in N. Arc 13"

Oak

34.55

Sp in lawn

N50°E
58.9756.31E
41.68Nail in 3" Oak
16" Oak

S56°E

47+95

North Shore portage
Lake

February 7, 1968

Clear 0°

Ekaman, Ekstrom

Elliott, Merson

STA occupied 500 meters Horiz 4 Dist Vert A S.L. Dist

25.98

100.00

100.00

100.00

100.00

Pot # 12 Pot # 13

425.98

89.72

100.00

100.00

100.00

100.00

100.00

Pot # 11 Pot # 12

589.72

16.60

100.00

100.00

100.00

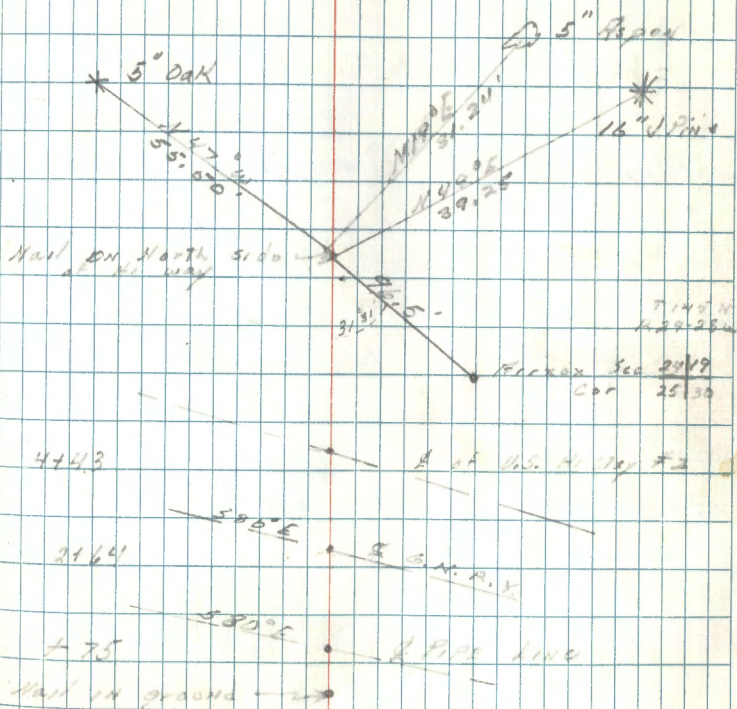
Nail in ground →

Nail in stamp →

16

STATION OCCUPIED	STATION SIGHTED	Mag. D	Dist	Vert. Z	Side Dist
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
Pot #15	Pot #16		655.93		
			6539		
			100.00		
			100.00		
			100.00		
			100.00		
Pot #14	Pot #15		465.39		
			6434		
			100.00		
			100.00		
			100.00		
			100.00		
Pot #13	Pot #14		464.34		

Nail in stump →



17

Sta OCCUPIED STA SIGNED Horiz Dist Vert 2 SL. DIST

68.79

100.00

100.00

100.00

100.00

Pot # 18 Pot # 19

468.79

94.79

100.00

100.00

100.00

Pot # 12 Pot # 14

394.79

25.73

100.00

100.00

100.00

100.00

Pot # 16 Pot # 17

425.73

55.93

Nail in ground ←

Nail in ground ^{no trees} ^{blazed} → North side of Cemetery

3412 South side of Indian Cemetery

1475 South Edge Clearing at Ryan Village

18

STN OCCUPIED	STN SIGHTED	Horiz Δ	Dist	VERT Δ	SL. DIST
			100.00		
			100.00		
			100.00		
			100.00		
			<u>100.00</u>		
Pot # 22	Pot # 23		559.42		
			86.43		
			100.00		
			<u>100.00</u>		
Pot # 21	Pot # 22		286.43		
			51.23		
			100.00		
			100.00		
			<u>100.00</u>		
Pot # 20	Pot # 21		351.23		
			84.74		
			<u>100.00</u>		
Pot # 19	Pot # 20		184.74		

100.00

100.00

100.00

100.00

100.00

Pot # 22 Pot # 23

559.42

86.43

100.00

100.00

Pot # 21 Pot # 22

286.43

51.23

100.00

100.00

100.00

Pot # 20 Pot # 21

351.23

84.74

100.00

Pot # 19 Pot # 20

184.74

February 12, 1968

Cloudy 0°

Monsoon, ENE storm

Nail in ground \rightarrow Nail in ground \rightarrow Nail in ground \rightarrow North side of clearingNail in Δ of road \rightarrow 582°

February 9, 1968

T @ Point #20 ⁸⁵ Point #19Direct Hor Δ ^{Azimuth} Vert Δ Time

338°05'48" 64°43'40" 11:10:16

338°20'64" 64°42'20" 11:11:08

338°35'30" 64°37'15" 11:12:10

Inverted 159°18'40" 295°32' 11:14:42

159°29'35" 295°34'55" 11:15:42

159°42'40" 295°38'20" 11:16:30

20

S7A QUAD. S9A SIGHTED Horiz 2 DIST Vert 2 S.L. DIST

97.92

100.00

100.00

100.00

Pot # 25 Pot # 26 397.92

57.47

100.00

100.00

100.00

Pot # 24 Pot # 25 352.47

50.86

25.00

100.00

90.00

100.00

100.00

Pot # 23 Pot # 24 415.86

59.42

February 13, 1968

41° Clear

OKerman.

Ekstrom

Morse

Nail in stamp →

Nail in stamp → Top of ridge

3700 Bottom of Gully

2730 Top of ridge

Nail in ground →

21

STA OCCUPIED	STA SIGHTED	Horz D	Dist	Vert D	S.L. Dist
--------------	-------------	--------	------	--------	-----------

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

Pot # 27 Pot # 28

1551.52

96.45

100.00

100.00

100.00

100.00

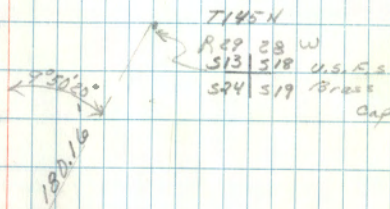
100.00

100.00

100.00

Pot # 26 Pot # 27

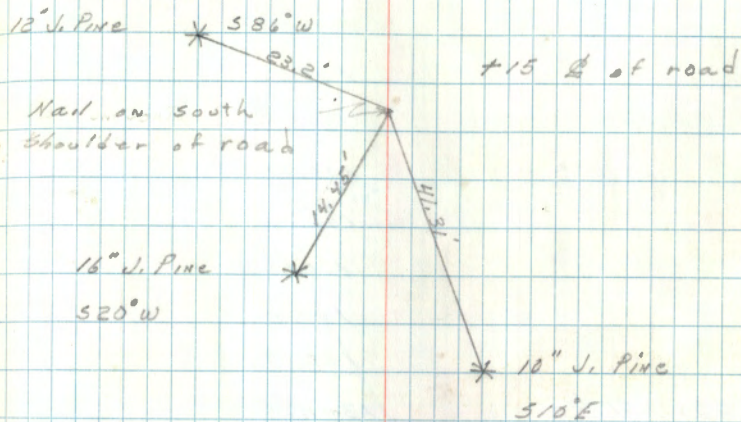
796.45



1765 South Edge of Cleared area
Nail in ground →

Nail in ground →

STA OCCUPIED	STA SIGHTED	HORIZ DIST	VERT DIST	S.L. DIST
			42.97	
			100.00	
			100.00	
			100.00	
			100.00	
			100.00	
			100.00	
Lot# 27	Lot# 30		542.97	
			19.30	
			100.00	
			100.00	
			100.00	
			100.00	
			100.00	
			100.00	
			100.00	
Lot# 28	Lot# 29		719.30	
			51.52	
			100.00	
			100.00	
			100.00	



2+70 North side of Clearing

Nail in ground in cut in open area

STA OCCUPIED STA SIGHTED Horiz D Dist Vert D s.c. Dist

98.11

100.00

100.00

100.00

100.00

AP#2 AP#3

498.11

98.91

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

AP#1 AP#2

1098.91

41.25

100.00



148° 46' 20"

Nail in road



200° 48' 00"

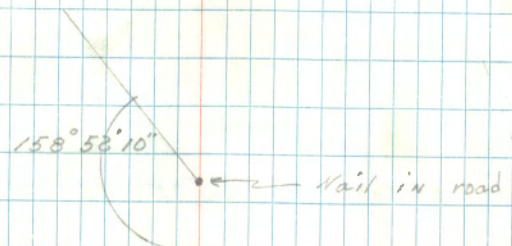
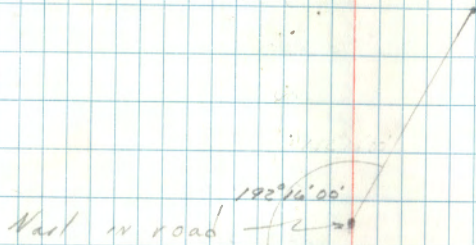
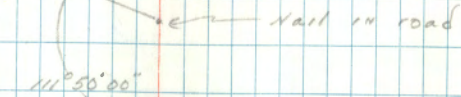
spike in road

STA OCCUPIED STA SIGHTED Horiz D DIST YEAR L SL DIST

			3.93		
			100.00		
HP# 5	U.S.F.S Brass Cap		103.93		
			22.56		
			100.00		
HP#4	HP#5		122.56		
			73.26		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
			100.00		
HP#3	HP#4		773.26		

TIMEN DRAW

1 512 U.S.F.S BRASS
4 513
1947
BLS NO. 6207

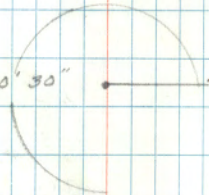


STN OCCUPIED STN SIGHTED Horiz V) DIST Vert W S.L.DIST

APP 3 U.S.F.S
Brass Cap 46.63

52.70
100.00
100.00
100.00
100.00
100.00
100.00
100.00
100.00

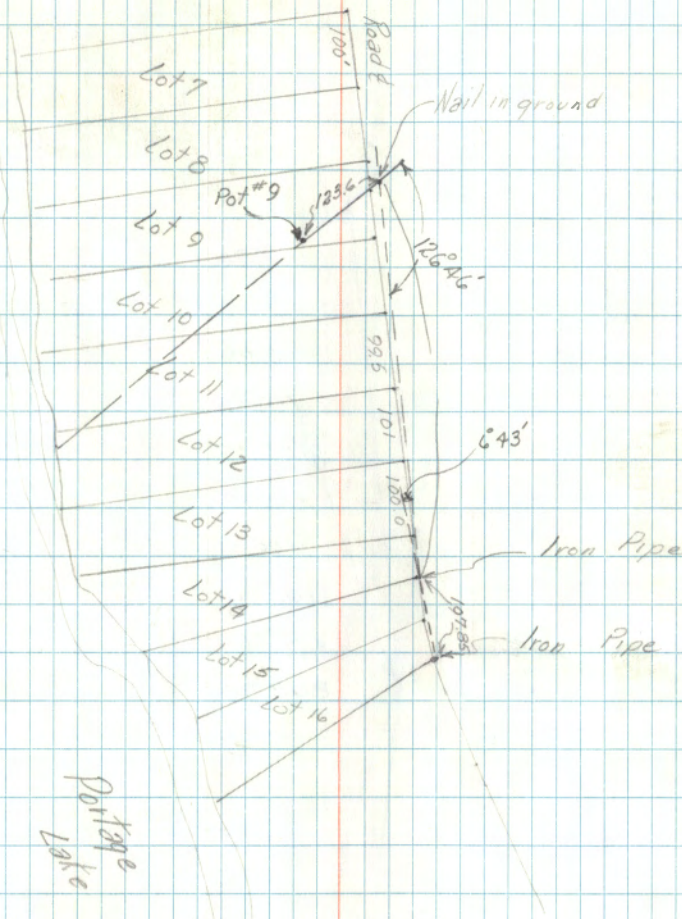
274° 40' 30"



T145N R28W
S19 S20
S30 S29
1982
ALS 40 2628

Dist.

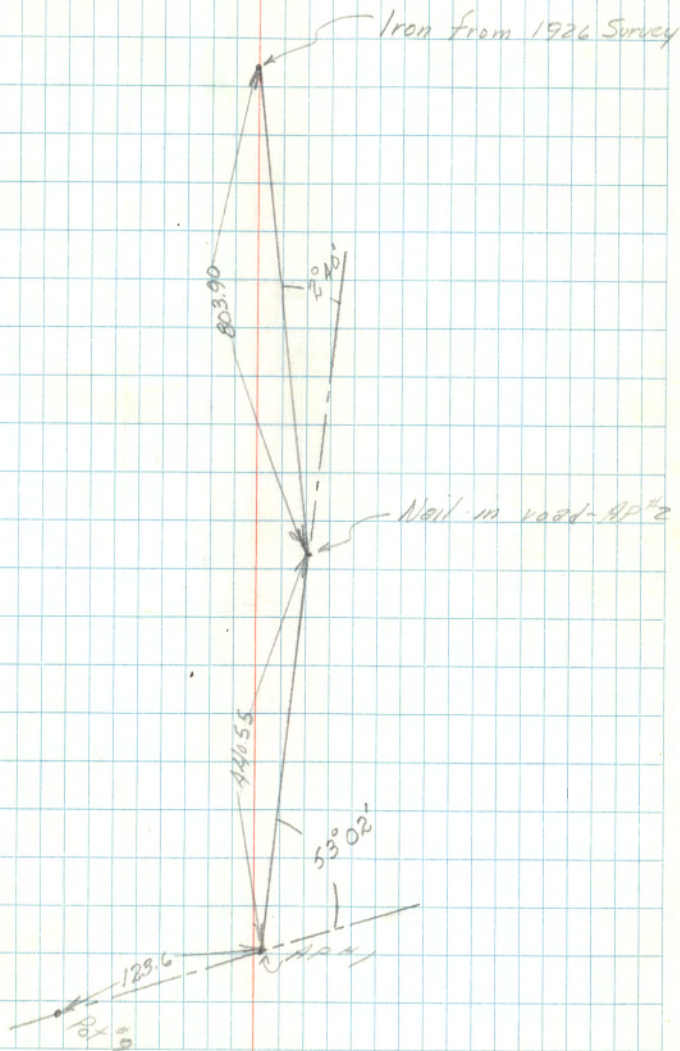
		7.85
		<u>100.00</u>
Iron On Lot # 15	Iron On Lot # 16	107.85
		98.46
		100.00
		100.00
		100.00
		<u>100.00</u>
AP # 1	Iron on Lot # 15	498.40
		23.60
		<u>100.00</u>
Pot # 9	AP # 1 Nail in ground	123.60

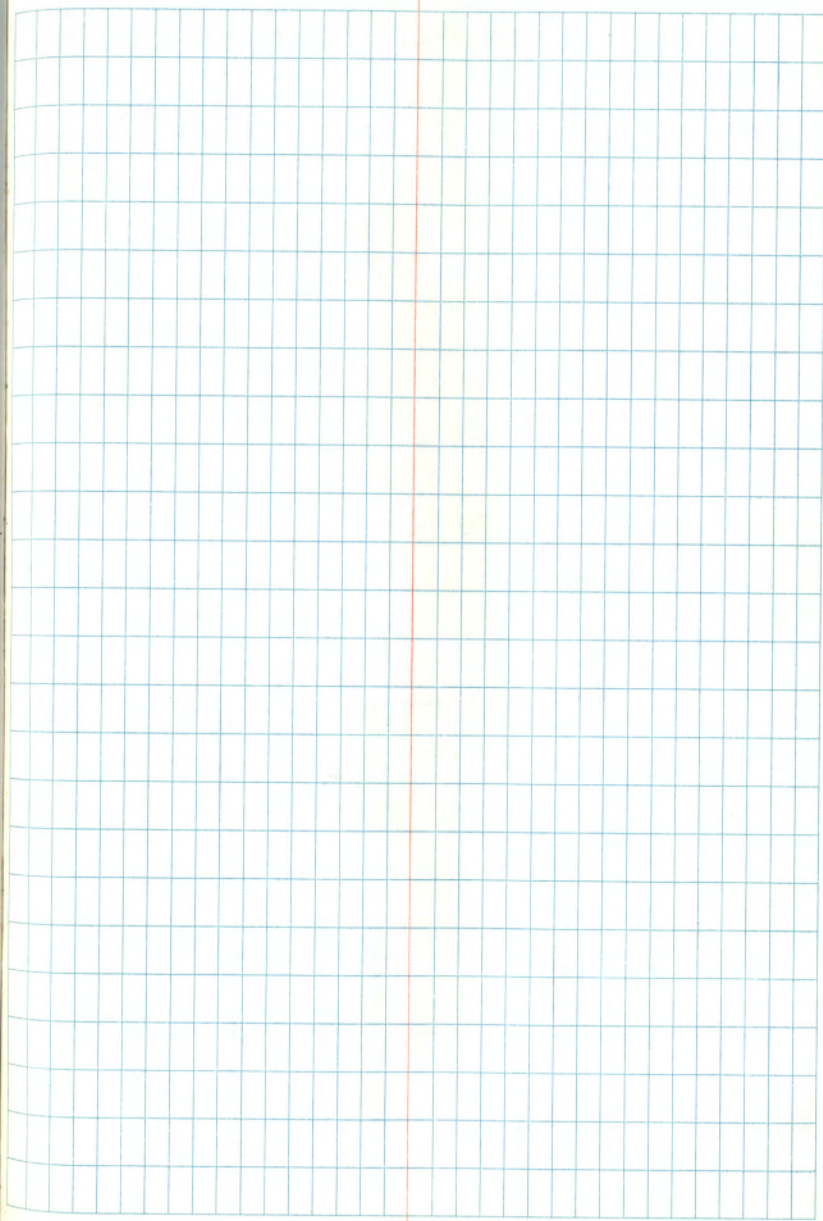
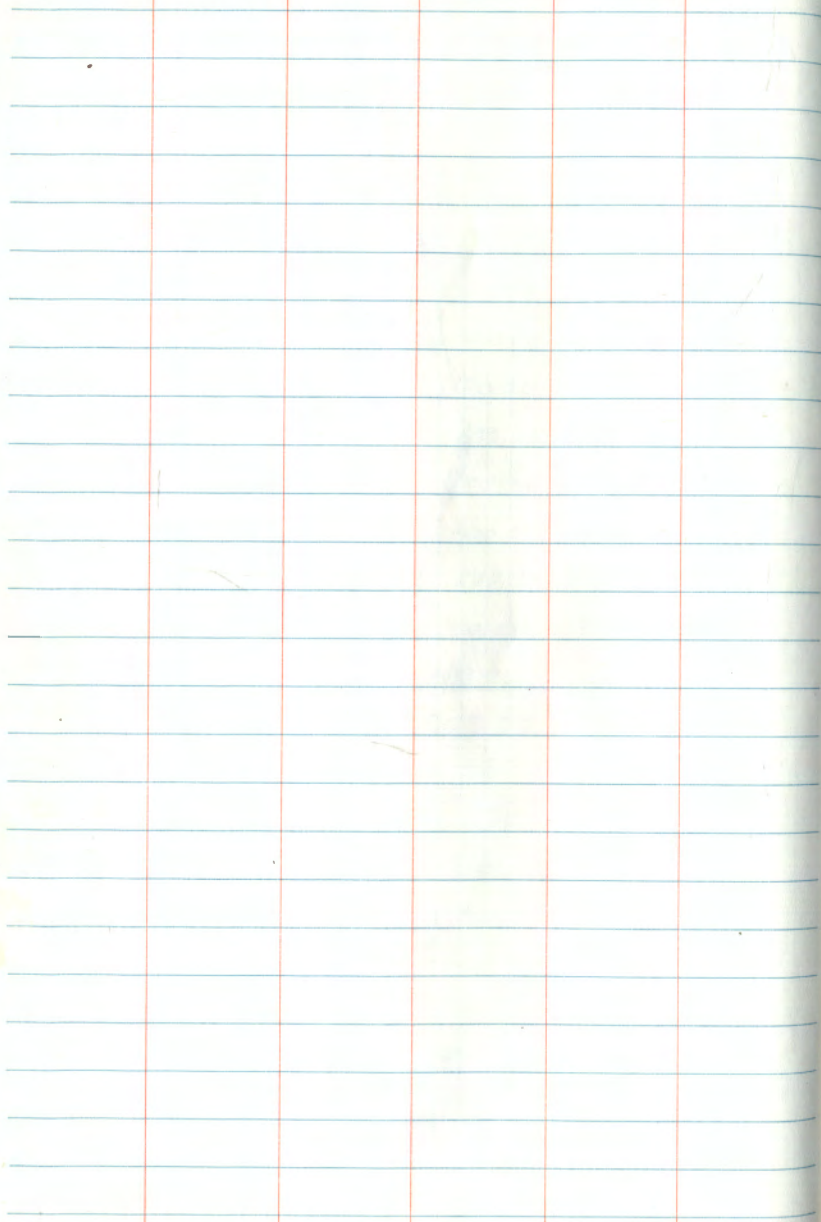


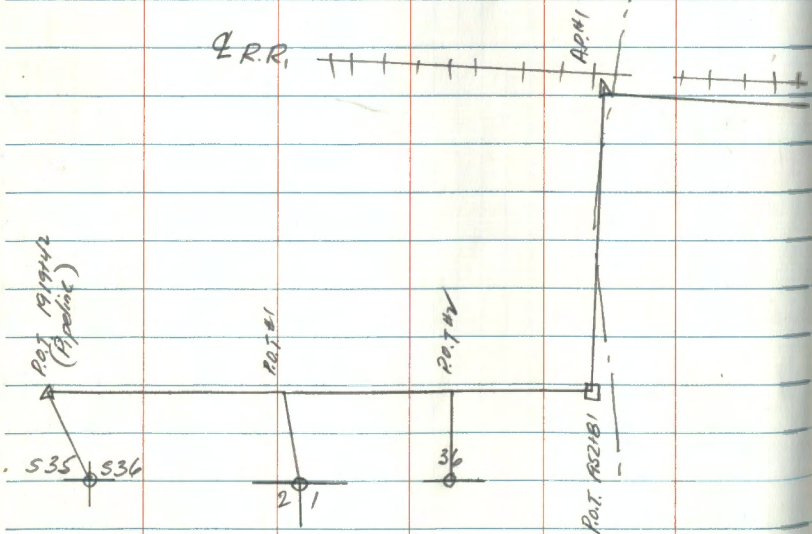
	3.90
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
	100.00
AP#2	Iron on lot #1
	803.90

	40.55
	100.00
	100.00
	100.00
	100.00
AP#1 AP#2	100.00
	440.55

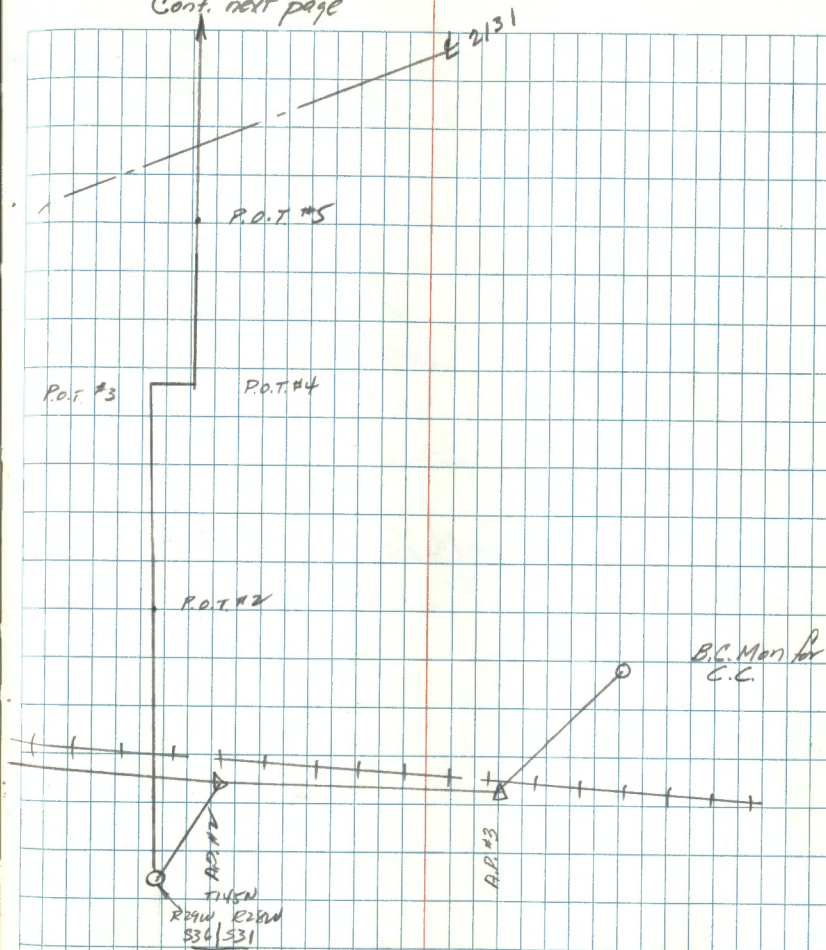
Cloudy & Snow 25°

Elliott & Ekstrom
April 3, 1968

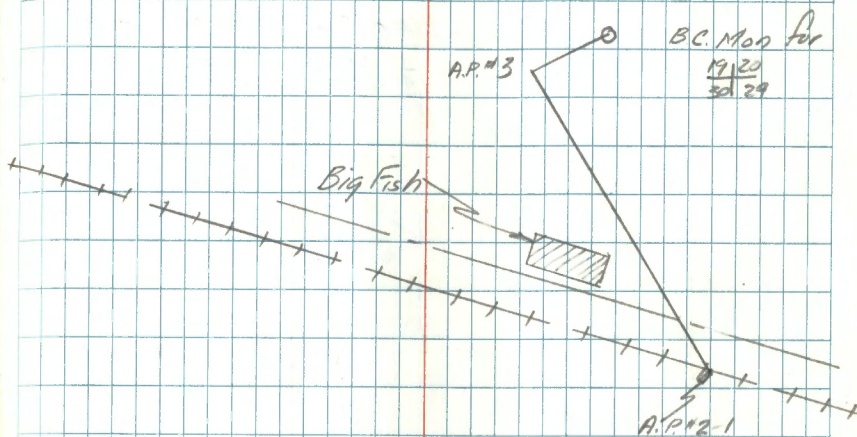
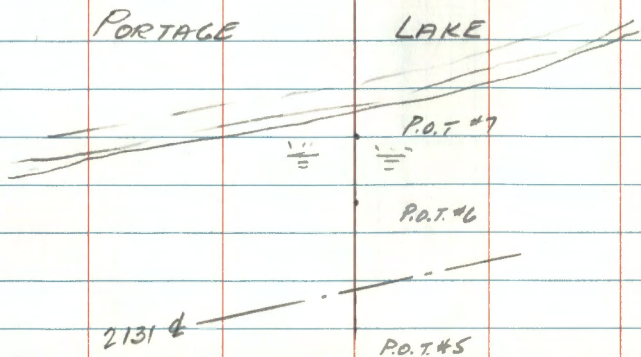
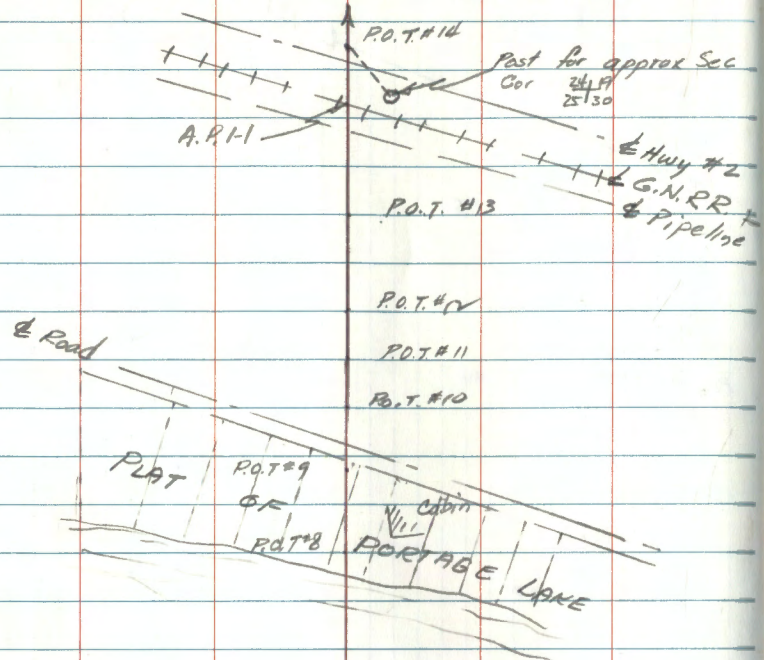


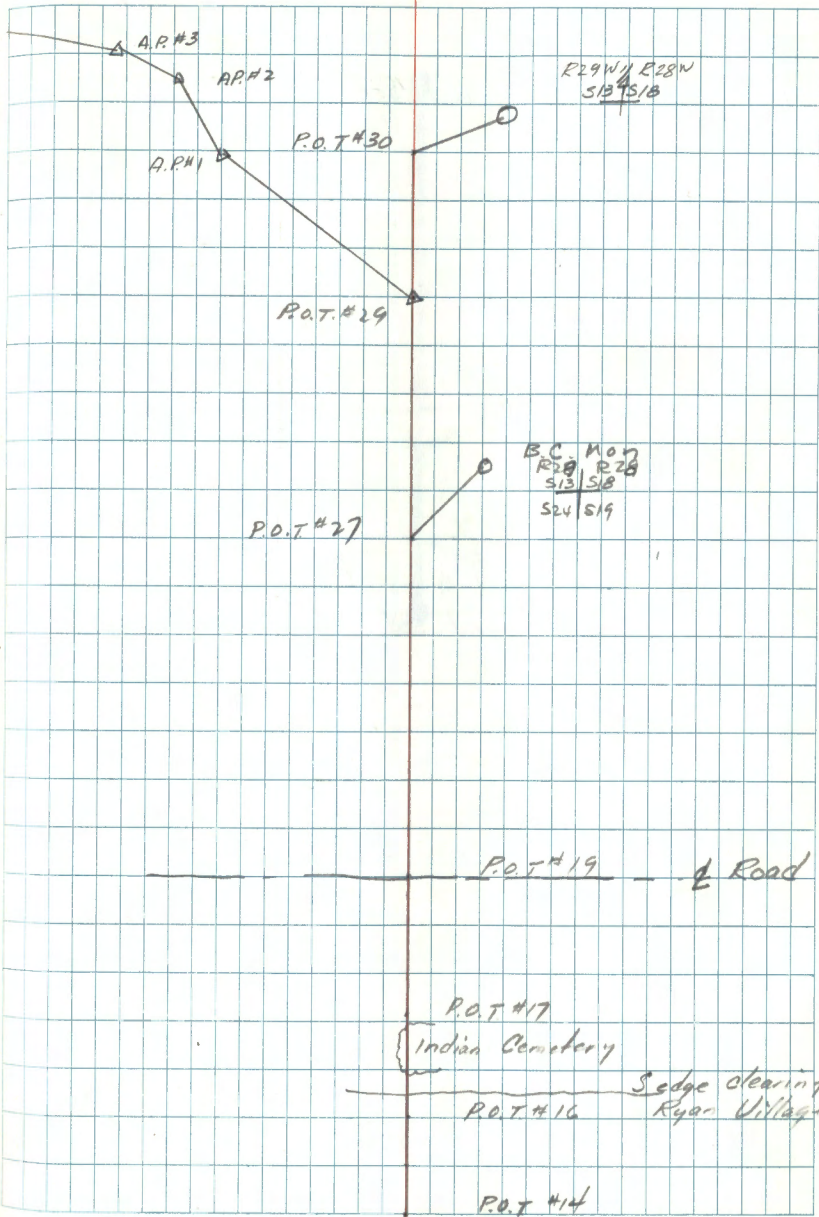
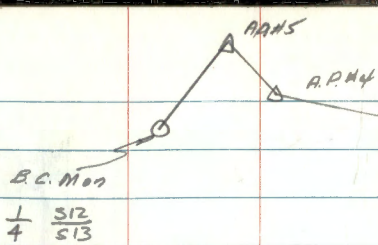


Cont. next page

B.C. Mon for
C.C.

CONT. NEXT PAGE



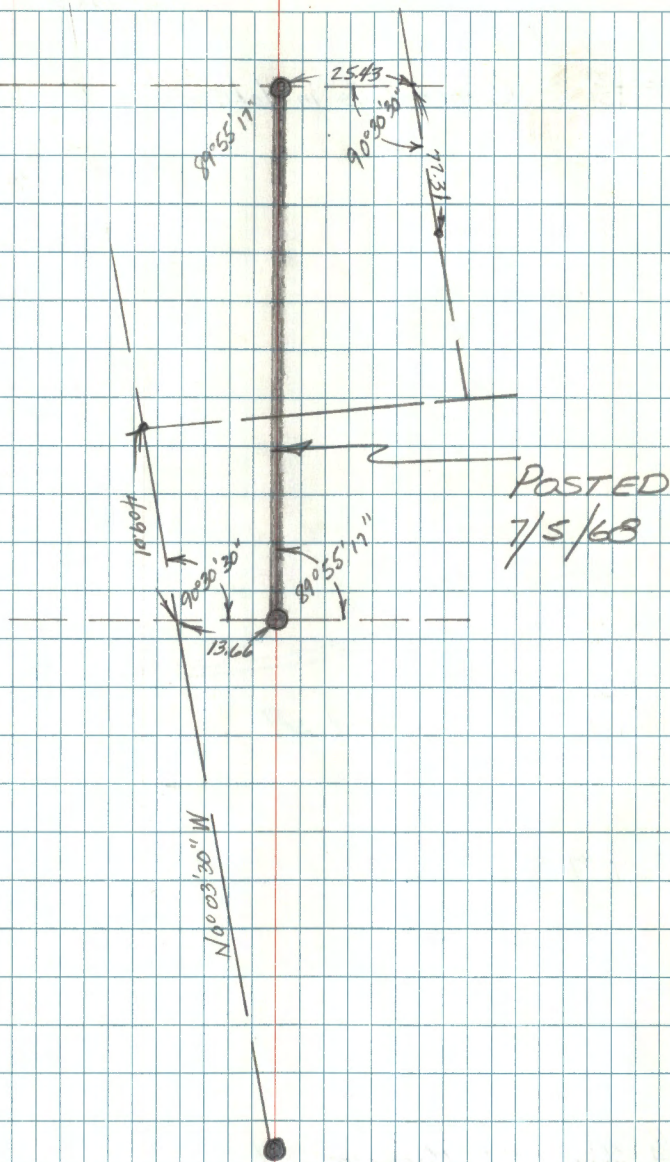


36

Field survey of Township line & posting

STA	BRG	DIST
1/4 36/31	B.C. Monument Set	↑
P.O.I.#5	On random line	1332.52
P.O.I.#3	On random line	↓
5/16 36/31	B.C. Monument set	N 0° 04' 43" E
		1332.52
50 36/31	B.C. Monument set	↓

notes



87

STA

BRG

DIST

25|30
36|31

Corner falls in lake

2665.04

N0°04'43"E

MC

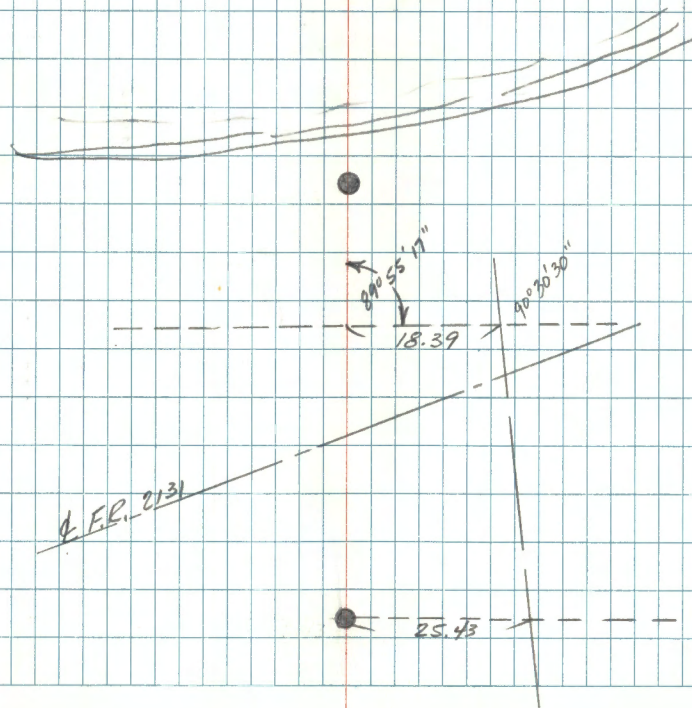
36|31 B.C. Monument set

P.O.T. #7 On random line

1/4 36|31 B.C. Monument set

PORTAGE

LAKE



38

STA

BRG DIST

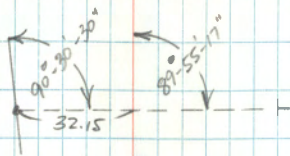
P.O.T.# 8 On random line

$$\frac{36}{MC} \mid \frac{31}{}$$
 $\frac{1}{4}$ 25/30 Corner falls in lake

 $N0^{\circ}04'45''E$
 2465.04

$$\frac{25}{36} \mid \frac{30}{31}$$

Corner falls in lake



○

○

●

39

STA

BEG. DIST

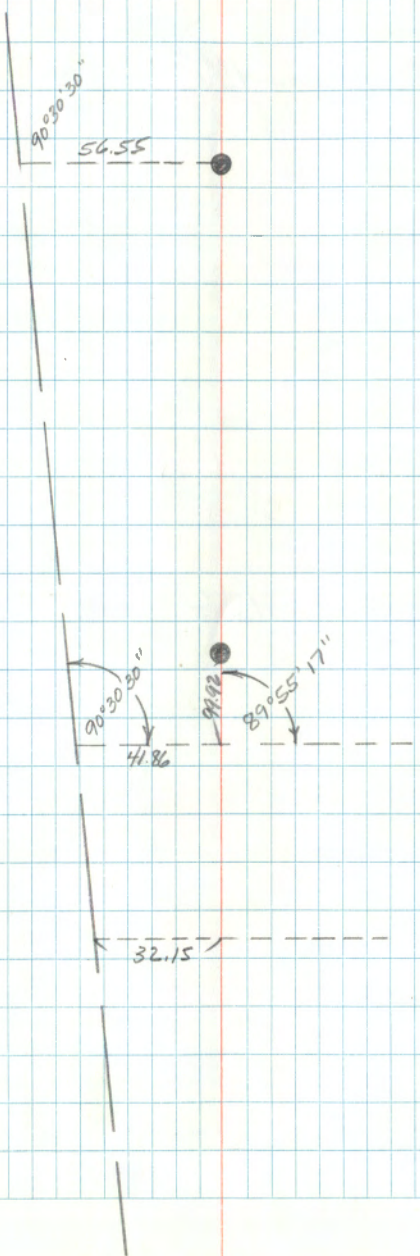
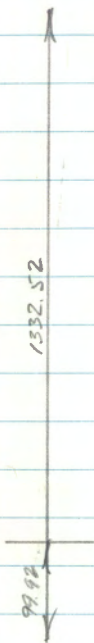
2419
25|30

1/16 25|30

P.O.T #11 On Random line

P.O.T #8 On random line

N 0° 04' 43" W



40

STA BRG DIST

P.O.T #21 On random line
 1/4 24/19 B.C. Monument Set

1496.46

P.O.T #17 On random line

S 1/6 24/19 B.C. Monument Set

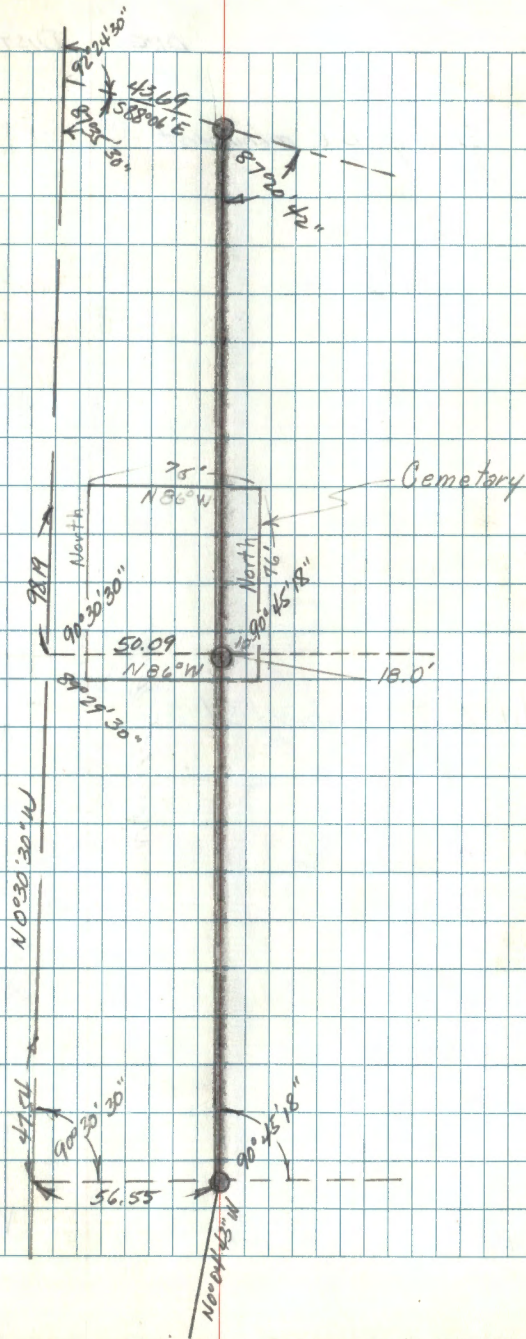
N 0° 45' 18" O.N

1496.46

P.O.T #4 On random line

24/19
 25/30

B.C. Monument set



41

3TA

BRG. DIST

13/18

24/19

Existing B.C. monument

1496.46

N 1/4 24/19 B.C. Monument Set

N 0° 45' 18" W

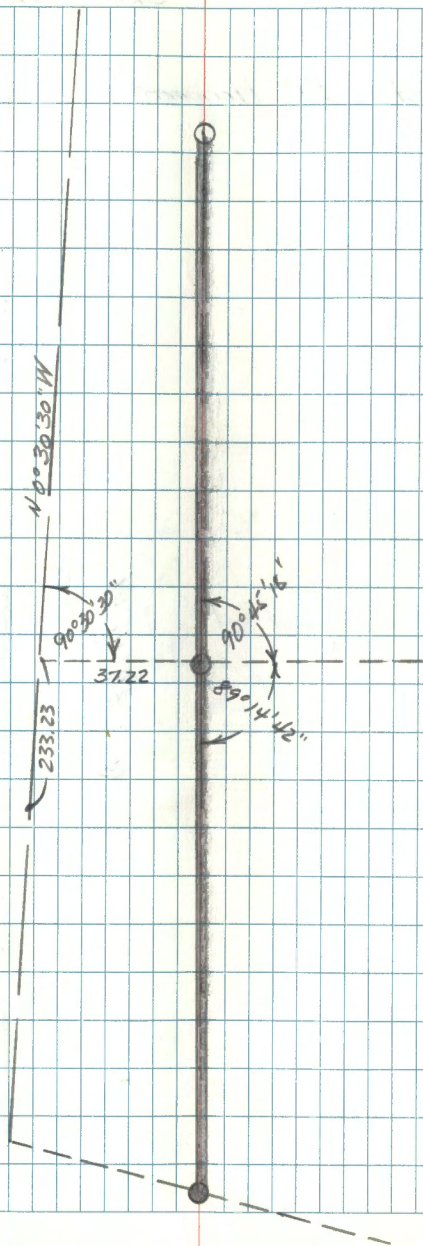


P.O.T #24 On random line

1496.46

P.O.T #21

1/4 24/19



42

STA

BRG

DIST

1/4 13/18 Existing B.C. Monument

1321.29

P.O.T #20

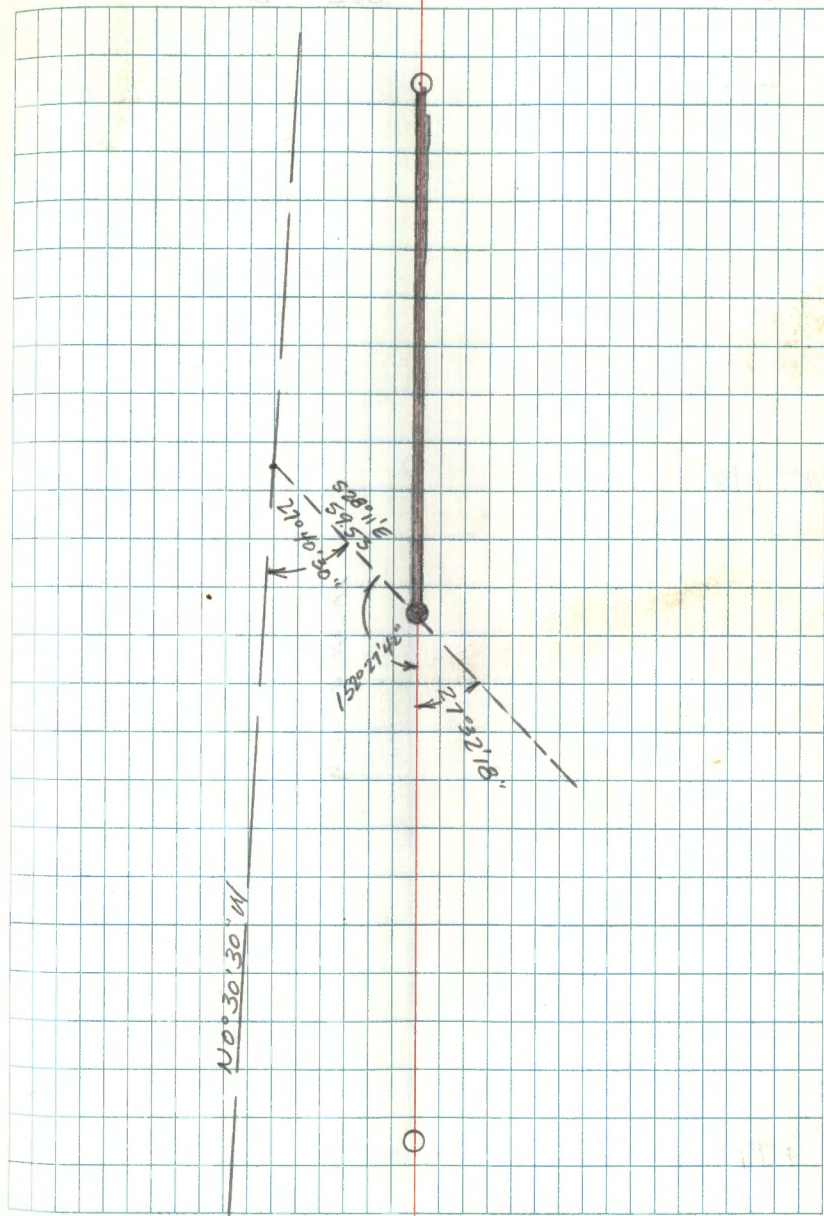
N 1/4 13/18 B.C. Monument set

N 0°38'42" W

1321.29

13/18

27/19



43

STA

BEG

DIST

MC 13/18

N 0° 38' 42" W

1/4 13/18 Existing B.C. Monument



44

STA

BRG.

DIST

 $\frac{14536}{50}$ Existing B.C. Monument

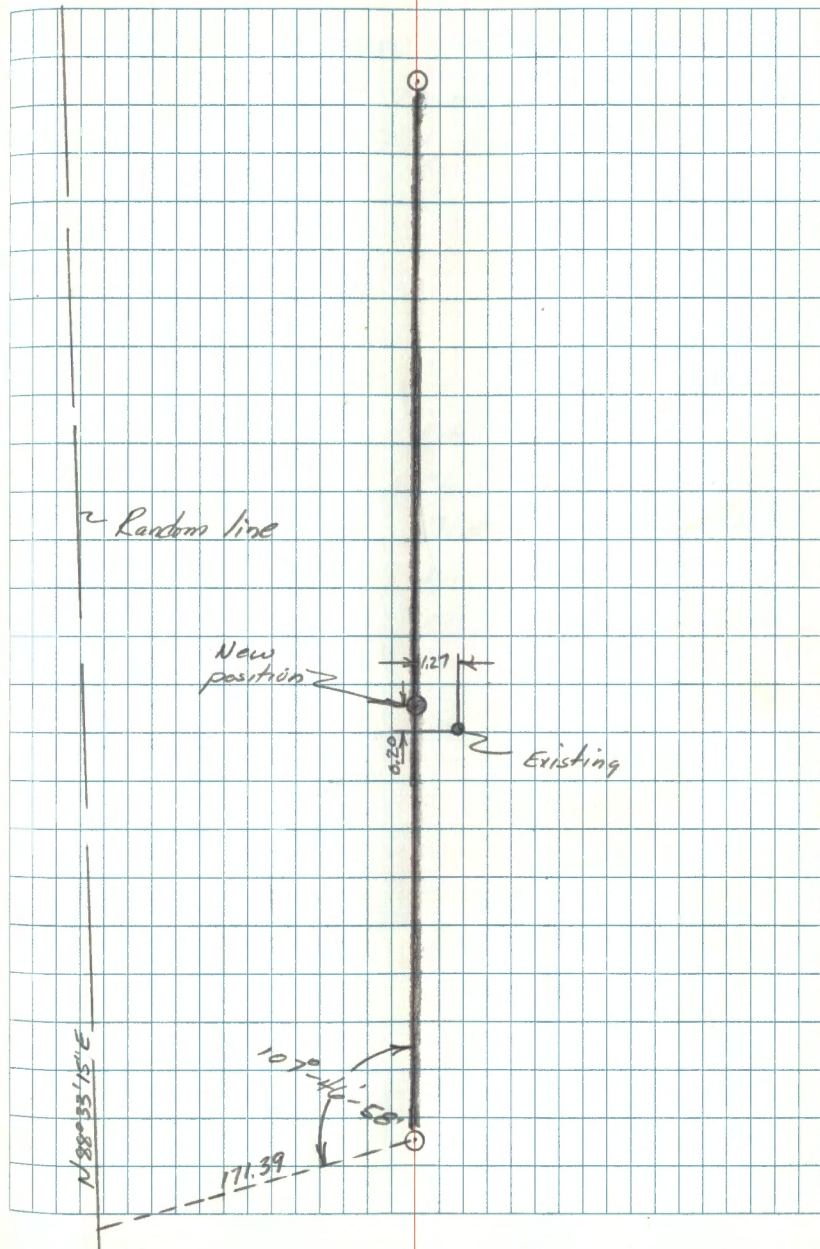
1452.44

 $\frac{CC}{172}$ Existing G.L.O. B.C

 $S88^{\circ}58'47''E$

7165.05

 $\frac{35136}{50}$ Existing B.C. Monument

 P.O.T. 1919+42 On random line
 Pipeline stationing


BARSLOW SURVEY

Delineate Gov't Property from private
in Sec. 33, T143N, R27W

October 21, 1968

Cloudy + 45°

Okerman - P.C. & notes

Krause - T

Elliott & Bergen - Rod & chain

88°54'40"
3/857.39
185-49-20

1338.55
1338.6

181°21'
3/544.88
18°20'45"

2647.78
2648

97°15'
97°17'
212°37'15"
212°37'25"
3/637.50 15

148°16'
148°05'

132°02'
132°02'20"
3/370.06 50

714.02
714.05

B.C
1/4
32/33

FD 2" wood hub
in E of tracks
apparently from old survey

177°17'46"
3/531.53
177-17-20

2647.76
2648

2481.60

2647.22
80°57'05"
2647.17

(2149.80 check)

170°32'55"
3/5541.38 20

88°35'45" calc
30284
482

5373.33 meas
5373.69 calc

1/4
B.C
33/34

Center line of Sec
produced East to West-missed
W 1/4 Cor 0.3 to North
5/5/69 with Sherman
5/6/69 line posting
completed

Township Line Survey

Between

143-27 $\frac{1}{2}$ 143-26

Line brushing was done from Oct. 13 thru Oct. 17
Approx 2 $\frac{1}{4}$ miles. all Lines are random Lines.

Sta. Occup	Sta. sighted	Hori. Dist.	Vert. Dist.	Corr. Dist.
		123.77		
		200.00		
		200.00		
		200.00		
Pot. #2	Pot. #3	723.77		
		167.84		
		200.00		
		200.00		
		200.00		
		200.00		
		200.00		
		200.00		
Pot. #1	Pot. #2	1367.84		
		148.05		
		200.00		
		200.00		
		200.00		
BRASS 36/31 Cap 116	Pot. #1	748.05		748.05

Snowing
Cloudy & Cool
Temp. 32°

Krause & Bergeron
10-21-69

Double
Chaining Dist.

200.00

200.00

200.00

123.76

200.00

200.00

200.00

200.00

200.00

200.00

167.80

200.00

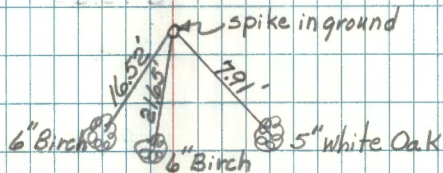
200.00

200.00

148.04

N

spike in 14" Aspen stump



BC. Sec. Cors. 1, 6, 31, 36

Sta. Occp.	Sta. sighted	Hori Δ	Dist	Vert Δ	Corr. Dist.
			132.28		
			200.00		
Pot #6	Spike in South edge of Blacktop		200.00		
			532.28		
			183.43		
			200.00		
			200.00		
			200.00		
Pot #5	Pot #6		783.43		
			145.00		
			200.00		
Pot #4	Pot #5		345.00	345.00	
			27.32		
			200.00		
			200.00		
			200.00		
			200.00		
Pot. #3	Pot #4		827.32		

Double Chained Dist.

200.00

200.00

132.30

200.00

200.00

200.00

183.45

200.00

145.00

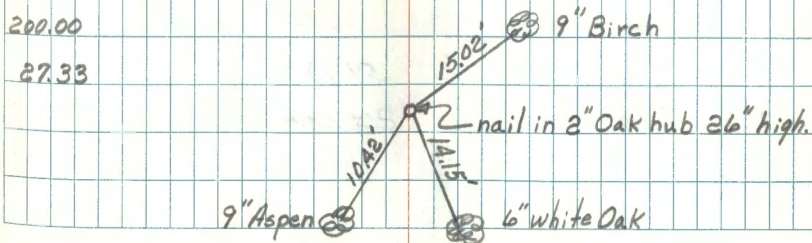
200.00

200.00

200.00

200.00

27.33



Sta. Occp. Sta. sighted Horiz. Dist. Vert. Corr. Dist.

95.44 0°

200.00 2°

200.00 0°

200.00 0°

200.00 0°

AP#2 AP#3 125°47'20"

79.70 0°

200.00 0°

200.00 0°

200.00 0°

200.00 0°

200.00 0°

200.00 0°

200.00 3°

200.00 0°

100.00 0°

AP#1 AP#2 147°27'25"

82°22'25"
360 147-27-28
3/3 92 85 25
22 21 24

59.93 0°

200.00 0°

Spike at AP#1 163°58'03"

edge of blacktop 163.58.03

131°54'10" 3/1 91 54 10

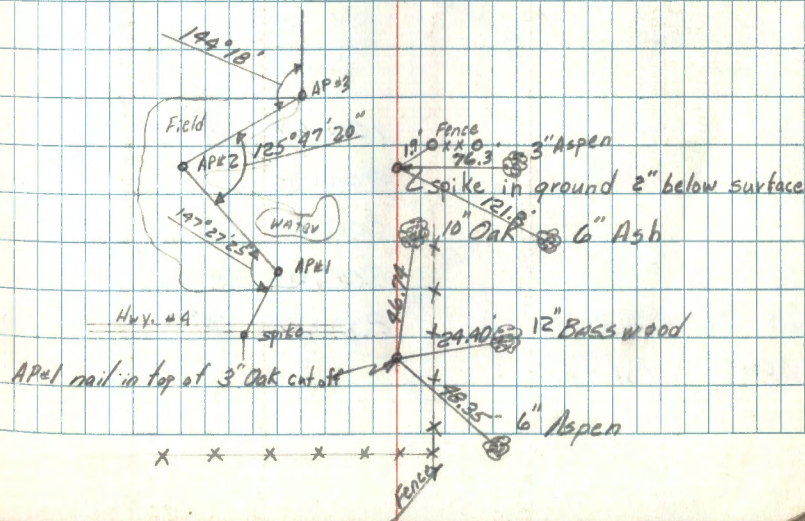
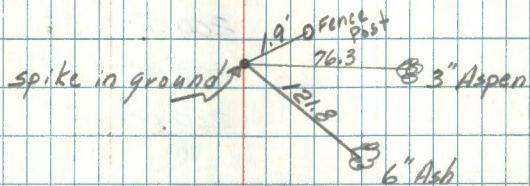
360 131-54-10
49 10 54 10

129 10 54 10

Krause
Bergeron

+65° Temp.

5-6-70



26.11
 200.00 3°
 200.00 3°
 200.00 0°

Pot #11 Pot #12

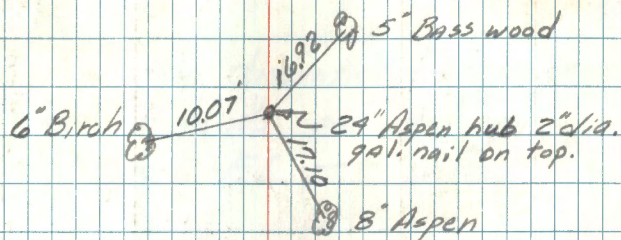
165.07 0°
 200.00 0°
 200.00 0°
 200.00 0°

Pot #10 Pot #11

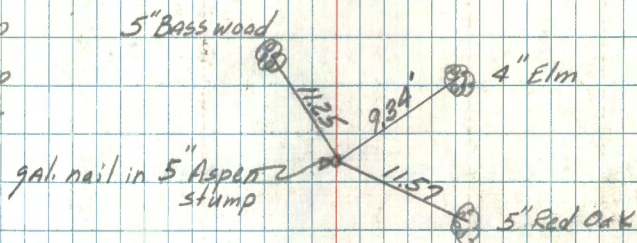
150.67 0°
 200.00 0°
 200.00 0°
 200.00 0°
 200.00 0°

AP #3 Pot #10

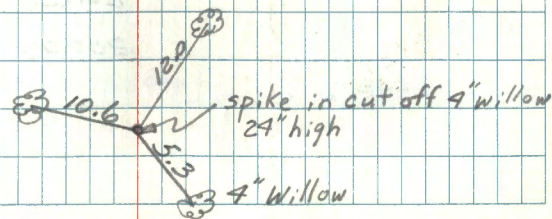
200.00 3°
 200.00 2°30'
 200.00
 26.15



200.00
 200.00
 200.00
 165.15



200.00
 200.00
 200.00
 200.00
 150.70

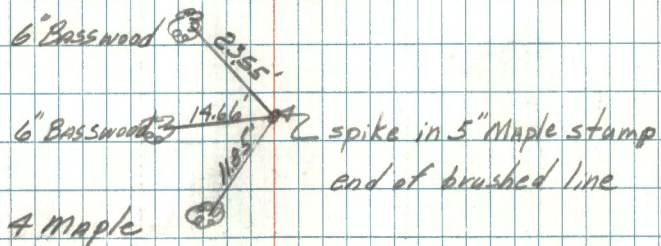


Pot #13

57.03	0°
200.00	0°
200.00	0°
200.00	0°

Pot #12 Pot #13

Note: Survey discontinued because
of lack of funds and lack of
interest by F.S. — who



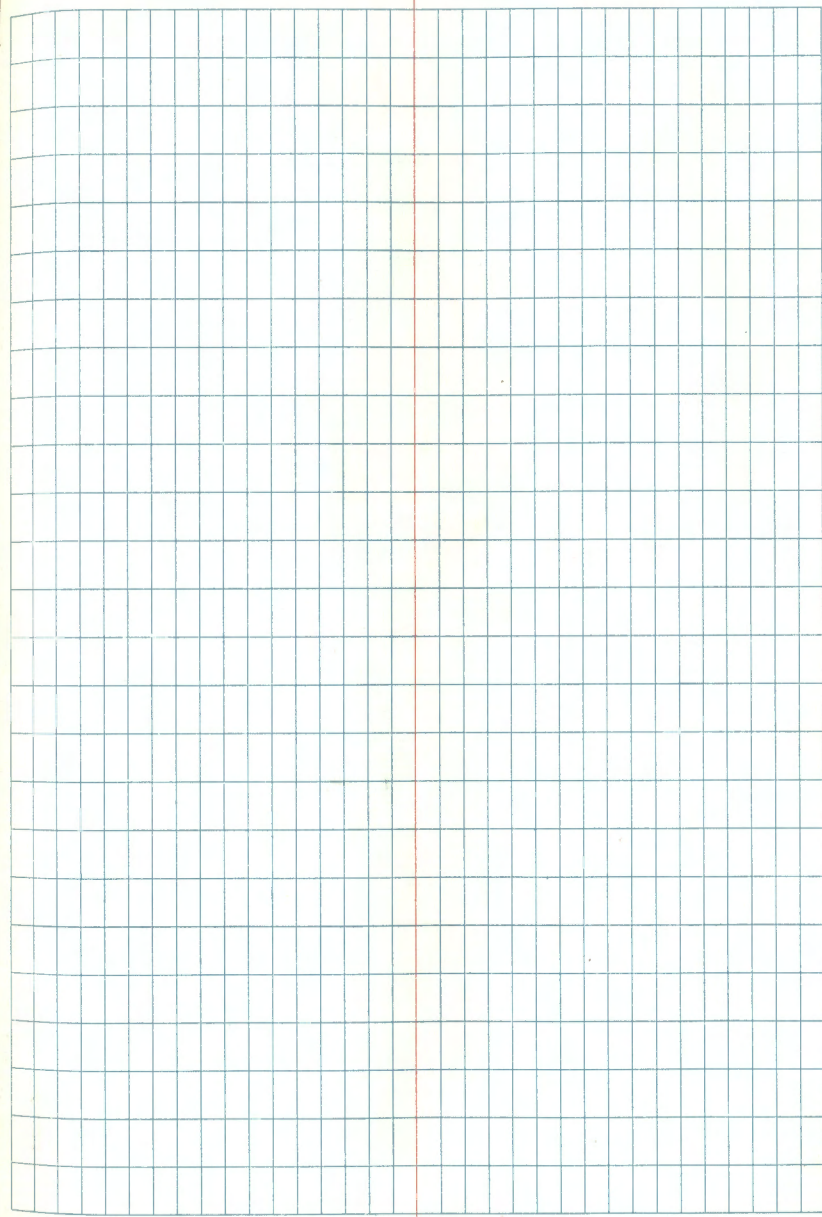
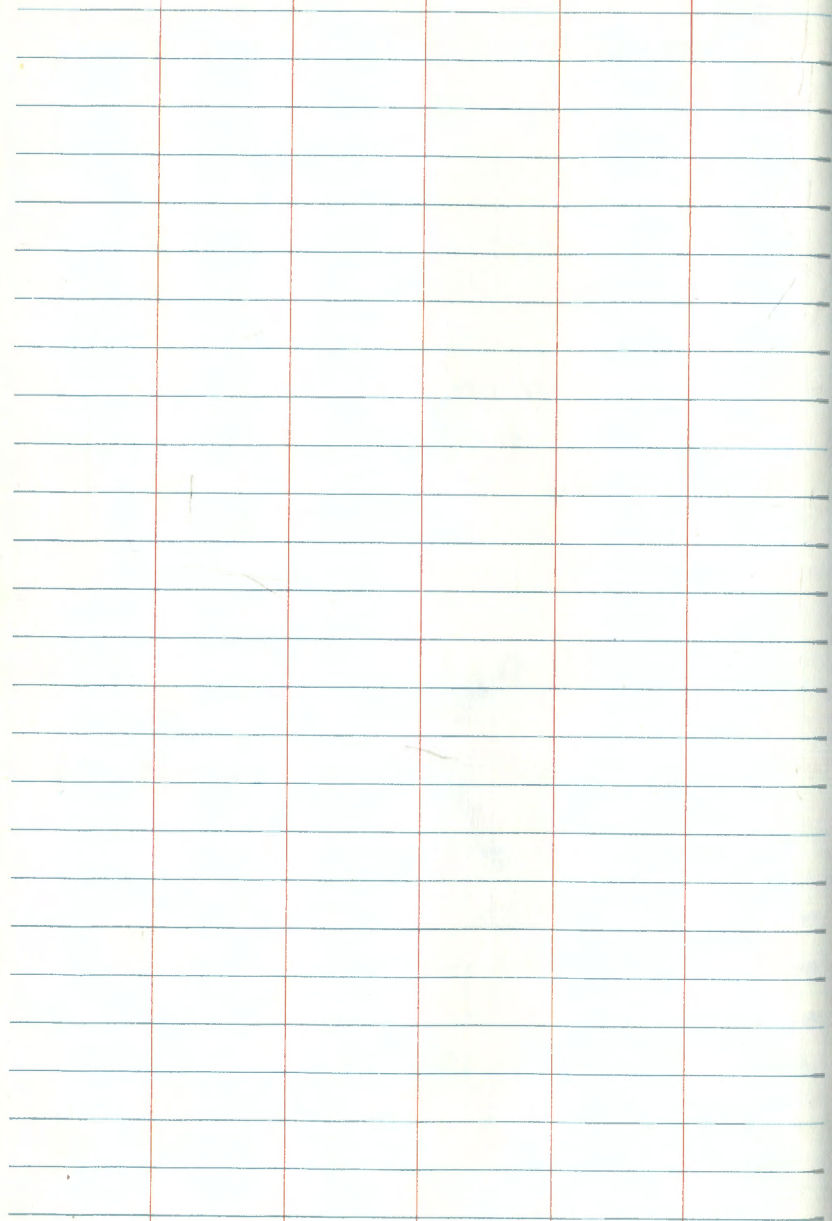
200.00

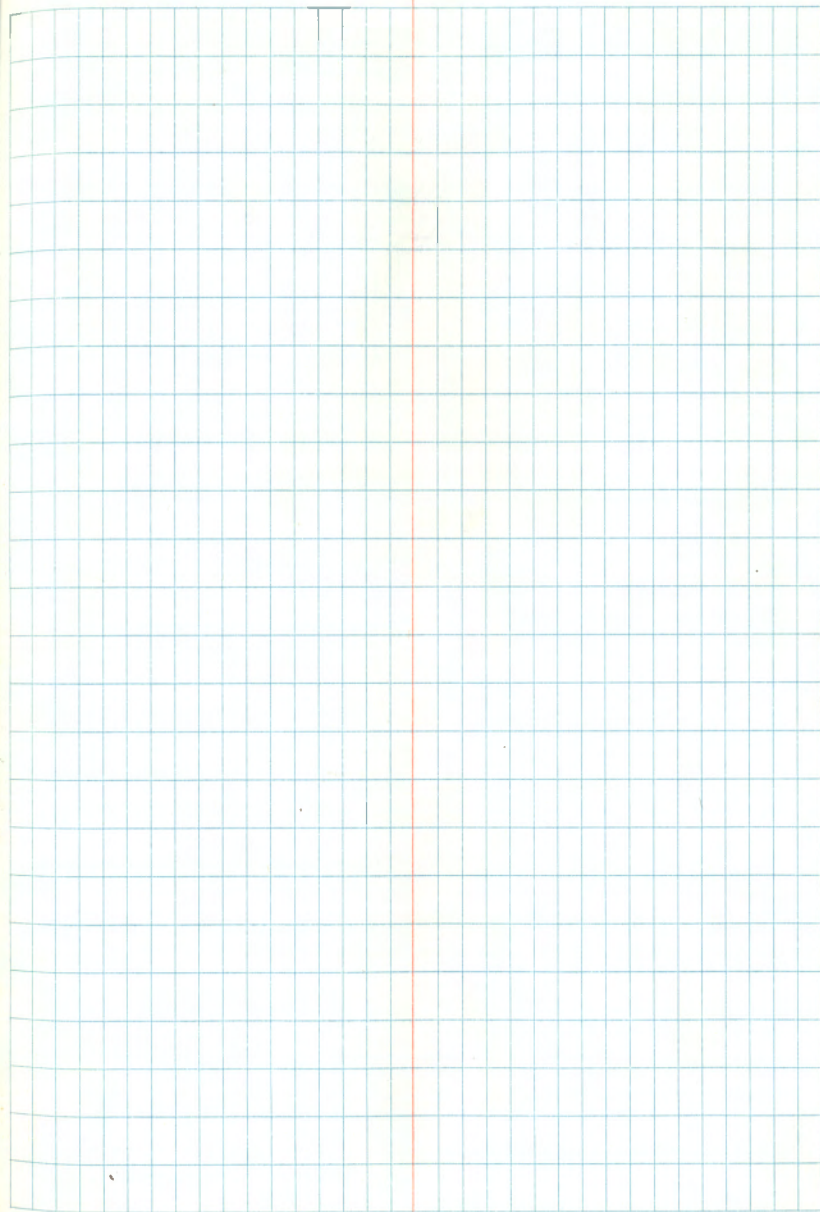
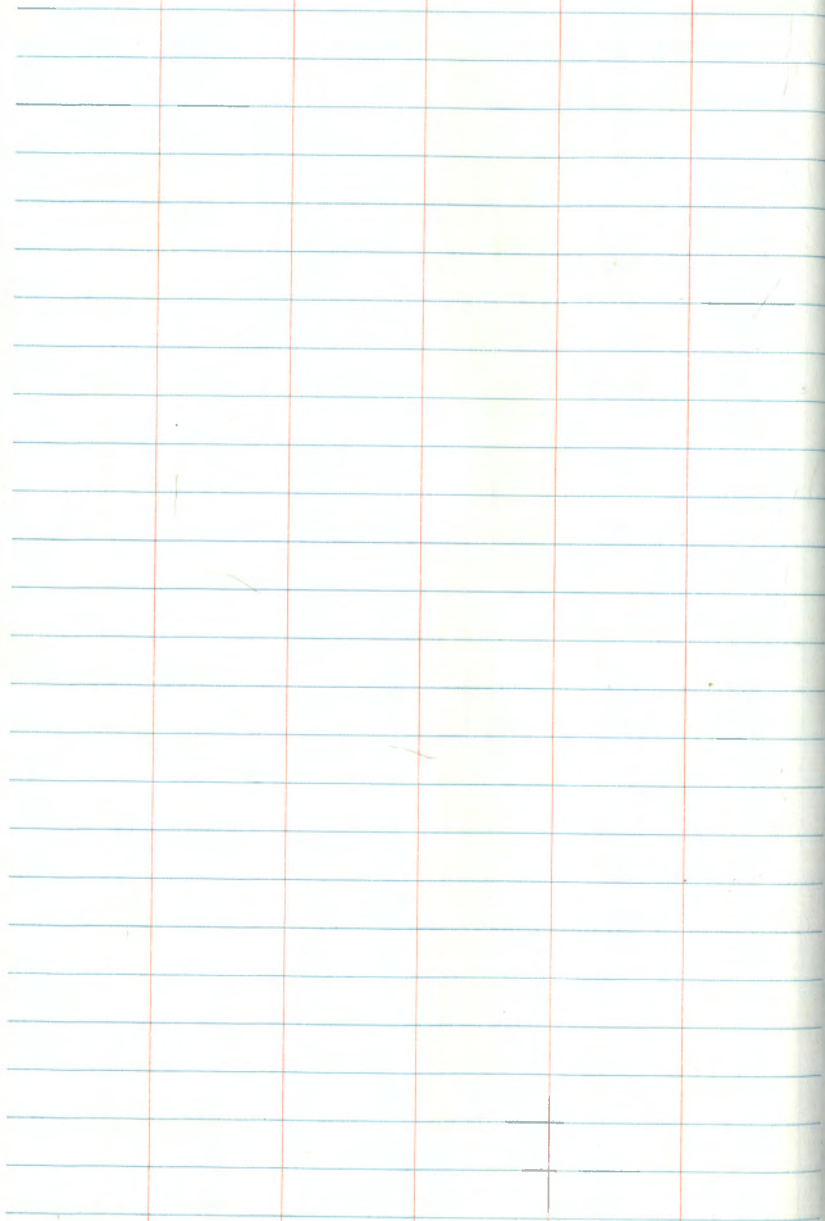
200.00

200.00

57.00

spike in 10" Birch stump





ONIGUM SURVEY

 $E\frac{1}{2}$ $W\frac{1}{2}$ $E\frac{1}{2}$ $W\frac{1}{2}$ $NE\frac{1}{4}$ $NE\frac{1}{4}$ \neq $E\frac{1}{2}$ $E\frac{1}{2}$ $W\frac{1}{2}$ $NE\frac{1}{4}$ $NE\frac{1}{4}$

Sec 18, T 142N, R 30W

Sta Occupied Sta Sighted Horiz. Dist Vert. 3

AP#3 N $\frac{1}{16}$ Cor. ^{17/18} 170°11'58" 87.1

156.66

~~200.00~~

AP#2 AP#3 7°17'10" 356.66

191.00

~~200.00~~

AP#1 AP#2 5°21'46" R 391.00

66.92

200.00

~~200.00~~

$\frac{7}{18}$ AP#1 G.L.O. MC West 2# chs 270°00' 460.92

18/17

August 11, 1970

Clear A.M.

Pity cldy, showers 1:35 PM.

Okerman - T's notes

Krause - ch

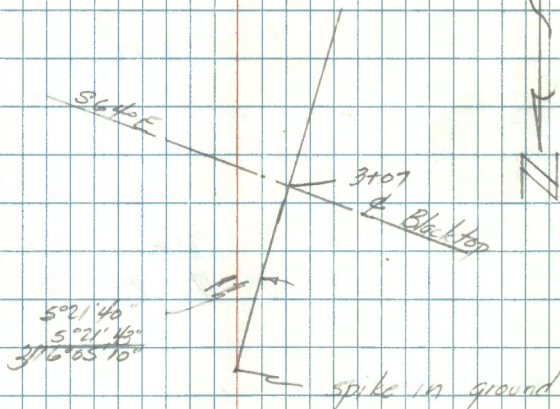
Boegeron - ch

Q B.R. N 1/16
Bet. 17/18

90°16'45"

176°11'25"
172°11'15"
3/512-33-45

2 spike in ground

5°21'46"
5°21'46"
3/16°05'10"

spike in ground

G.L.O. B.C. Sec. Cor 7, 8, 17, 18

G.L.O. B.C. MC Oct 17, 18

57
 STA Occupied STA Sighted Horiz Dist Vert

			20.82
			200.00
			100.00
			200.00
			200.00
Prop Cor	POT	270°00'	780.82
			60.00
			200.00
			200.00
			200.00
N 1/16	Prop Cor	282°02'15"	660.00
	A.P.#3		

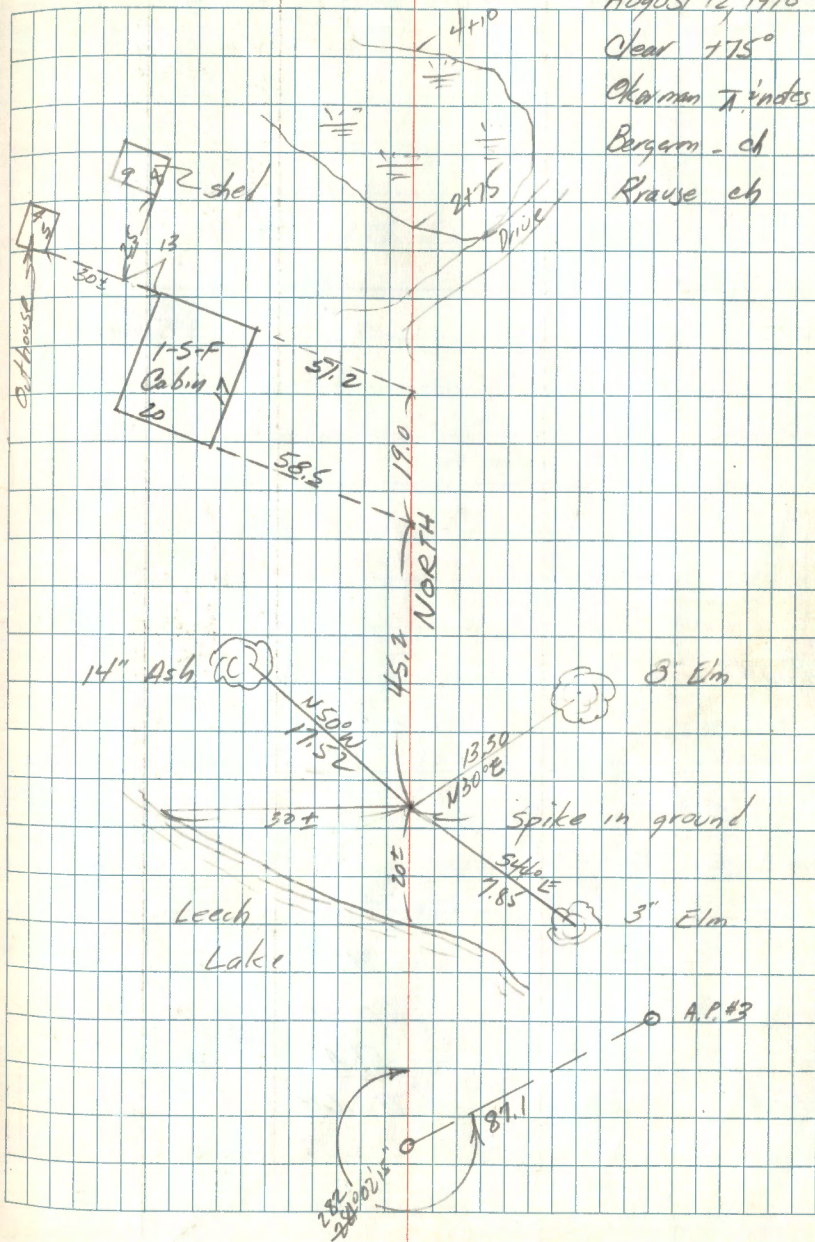
August 12, 1970

Clear 77.5°

Okman 7.1 m/s

Bergam - ch

Rause ch



NE Prop Cor

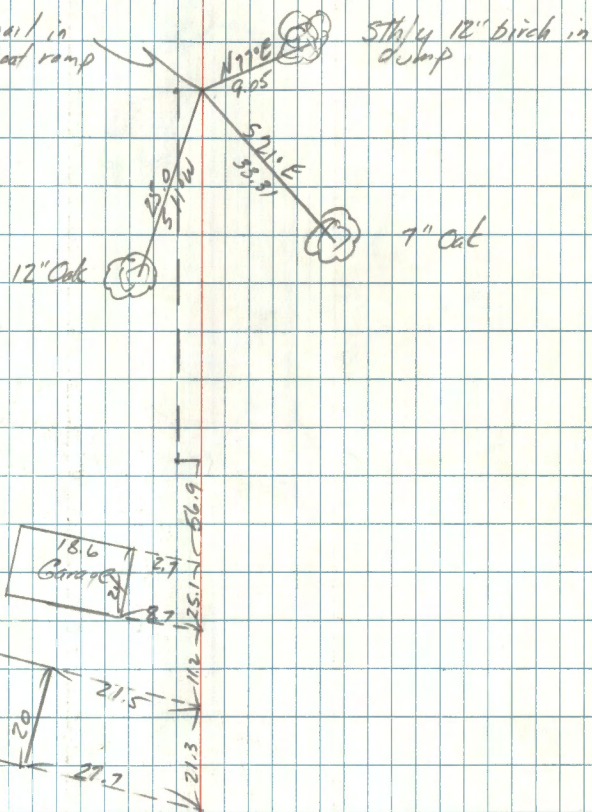
20.53

200.00

P.O.T #3

NE Prop Cor

220.53

PK nail in
wood boat ramp
plank

Hori. 2

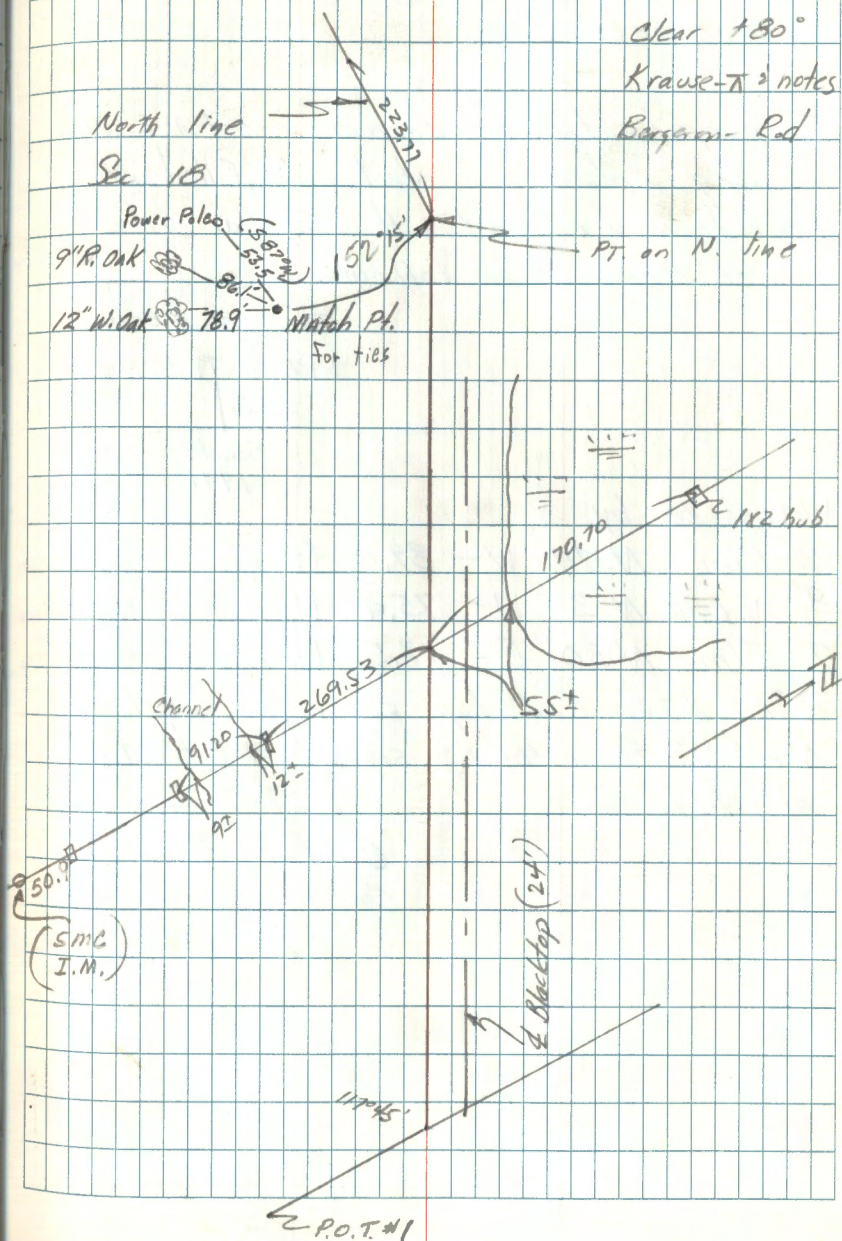
P.O.T. #2 Pt. ON N. 117°45'
Line

8-14-70

Clear +80°

Krawse-T 2 notes

Ransom-Red



61

AFF:clawit

Property Corners For Gilbertson Tresspass Case

To perpetuate this corner I set a 2" dia.
60" long galvanized steel pipe, filled with
concrete and capped with a 3" dia. brass
tablet stamped as follows.

T142 N R30W
PROPERTY CORNER
U.S.A.
Sec. 18
1971

Witnessed by.

10" Elm N44° W - 89.8 Ft. nail on N side of tree

8" W. Oak N3° W - 75.4 Ft. nail on W side of tree

7" Elm N30° E - 13.5 Ft. nail on E side of tree

4" x 4" x 72" Red top cedar post set due
North 9.3 ft. with F.S. signs 54-2, 54-4
attached.

11-22-71

Curtis R. Krause
Arthur B. Wells

Affidavit

Property Corner for Gilbertson
Tresspass Case

To perpetuate this corner I set a
 $5\frac{1}{2} \times 5\frac{1}{2} \times 29$ " long, concrete monument
Flush with ground, and capped with a 3" dia.
brass tablet stamped as follows.

7142N R30W
PROPERTY CORNER
Sec. 7
U.S.A. | S. 18
1971

Witnessed by

13" Red Oak S 36° W - 53.0 ft. nail on W side of tree

13" Red Oak S 15° W - 25.0 ft. nail on E side of tree

8" W. Oak S 20° E - 33.3 ft. nail on W side of tree

72" steel sign post set due South 17.6 ft.
with F.S. signs 54-2 & 54-4 attached.

11-22-71

Arthur R. Kramars
Arthur B. Wells

6/19/89 GB-CK

444.5' SOUTH OF $\frac{1}{2}$ TO PROPERTY LINE COR. 484' SOUTH
OF CORNER ON OPPOSITE PAGE

Property Corner for O'niel
Tresspass Case

To perpetuate this corner I set a 2" dia.
60" long galvanized steel pipe, filled with
concrete, and capped with a 3" dia. brass
tablet stamped as follows

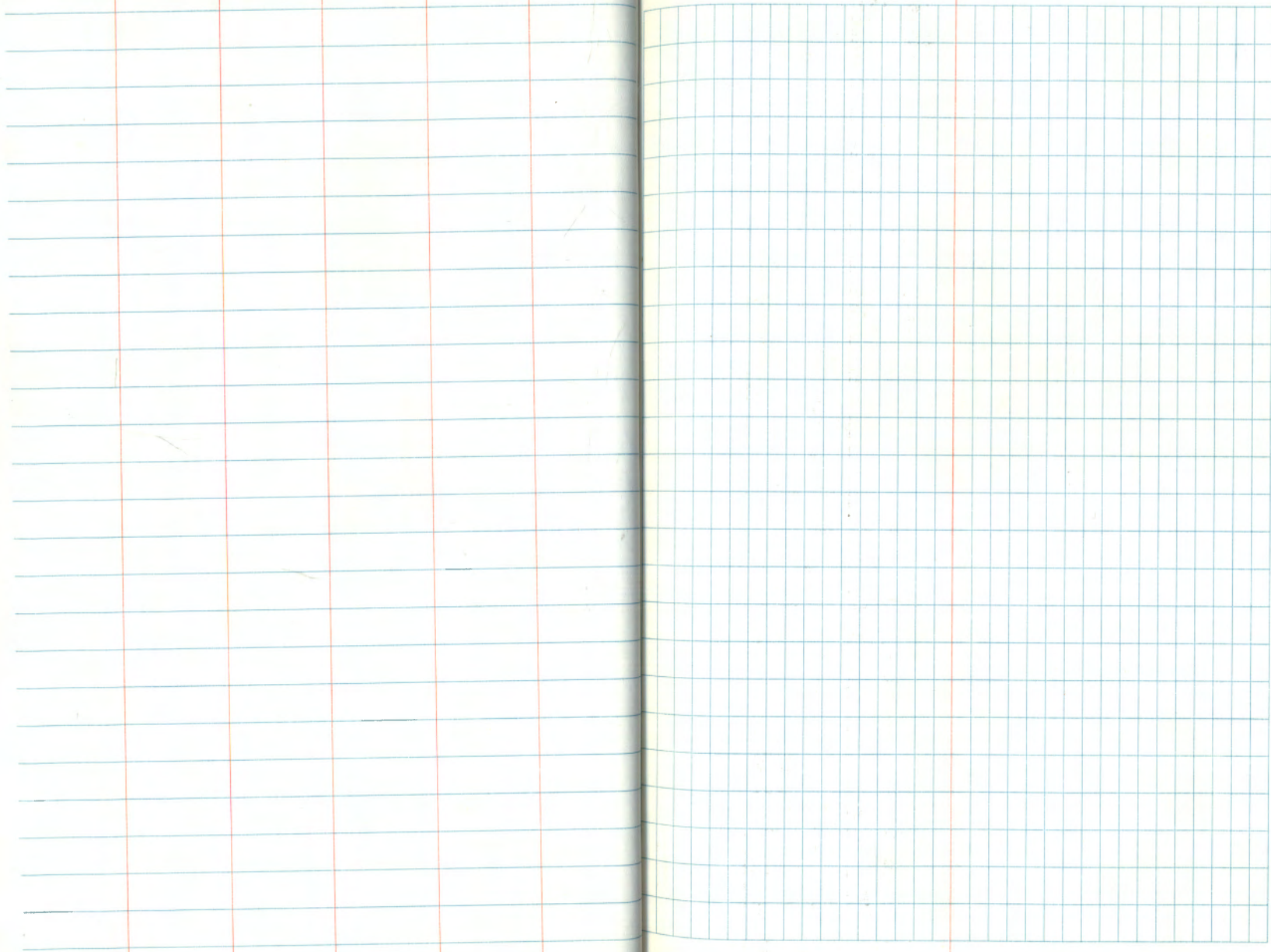
T142 N R30 W
Property Corner
Sec. 18
U.S.A.
SMC
1971

Witnessed by

10" Elm N 21° W - 14.75 ft. nail on W side of tree
11" Ash N 16° E - 18.75 ft. nail on W side of tree
13" Elm S 87° E - 26.0 ft. nail on S side of tree
72" steel sign post set due North 1.8 ft.
with F.S. sign 54-4 attached.

11-23-71

Curtis R. Kramer
Arthur B. Wells



END OF
BOOK