

CADASTRAL

SURVEYS BOOK 2

CADASTRAL SURVEYS



MINING
TRANSIT BOOK

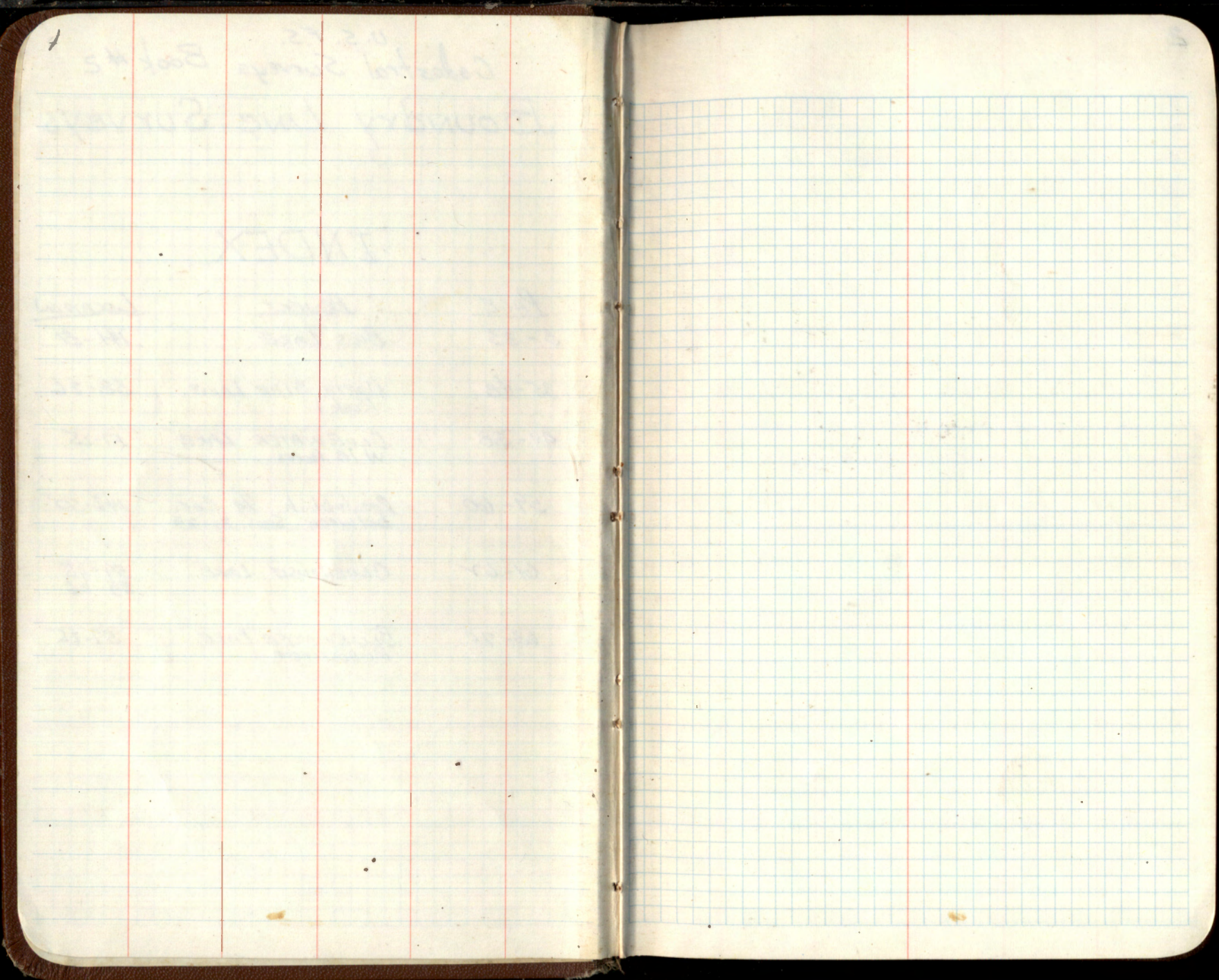
No. 384E

BOOK NO. 2

BOUNDRY LINE SURVEYS

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TRAIN RECORD

3

T141N R31W

To Run the random line between
the corners of Sections 21-22-27-28
and 27-28-33-34 I set transit
over M.C. North bank of Bass Lake
on Sec. line between 27-28,
back sight on Cor. of Sections
27-28-21-22 plunge scope
and by double centering method
I extend line South to a
point at right angles to the
corner of sections 27-28-33-34

4
Sta. Occupied Sta. Sighted Slope Distance Vert. Angle Horiz. Dist. Mean Dist.

M. C. N. of Bass Lake	Sec. Cor	Slope Distance	Vert. Angle	Horiz. Dist.	Mean Dist.
	21-22				
	28-27	100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		80.15	0%		
				580.15	

Sec. Cor.	M. C. N. of Bass Lake	Slope Distance	Vert. Angle	Horiz. Dist.	Mean Dist.
21-22					
28-27		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		80.10	0%		
				580.10	

580.13

3-21-61
R. H. McDonald
F. B. Wells
J. H. Ekstrom

cloudy - Temp. 40°-50°

5

Sta. Occupied	Sta. Sighted	Slope Dist	Vert. Angle	Horiz. Dist.	Mean Dist.
M.C. N. of Bass Lake	#1	100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		40.00	0%		
		55.45	0%		
		<u>695.45</u>			

#1	M.C. N. of Bass Lake	50.00	0%		
		50.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		95.57	0%		
		<u>695.57</u>			

695.57

3-21-61
RHM
ABW
JHE

#1 is a spike in ground

610' Leave Bass Lake south side

Sta. Occupied	Sta. Sighted	Slope Distance	Vert. Angle	Horiz. Diat.	Mean Dist.
#1	#2	100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		50.00	0%		
		73.10	0%		
		<u>523.10</u>			

#2	#1	100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		23.09	0%		
		<u>523.09</u>			

523.09

Sta. Occ.	Sta Sighted	Slope Distance	Vert. Angle	Horiz. Dist.	Mean Dist.
--------------	----------------	-------------------	----------------	-----------------	---------------

2

3

100.00 0% 100.00

100.00 0% 100.00

100.00 0% 100.00

100.00 0% 100.00

5.45 0%

5.45

405.45

3

2

100.00 0% 100.00

100.00 0% 100.00

100.00 0% 100.00

100.00 0% 100.00

5.43 0%

5.43

405.43

405.44

3-21-61
RHD
HBW
JHE

8 Sta.
 C Occ. Sta. Sighted Slope Vert Horiz. Mean
 Dist. Angle Dist. Dist.

#3 #4

100.00	0%
100.00	0%
100.00	0%
58.64	0%
<u>358.64</u>	

#4 #3

100.00	0%
100.00	0%
100.00	0%
58.69	0%
<u>358.69</u>	

358.67

3-21-61
 RHM
 RBW
 JHE

9

Sta. Occ.	Sta. Sighted	Slope Dist.	Vert. Angle	Horiz. Dist.	Mean Dist.
-----------	--------------	-------------	-------------	--------------	------------

#4 #5

100.00 0%

100.00 0%

66.33 0%

266.33

#5 #4

100.00 0%

100.00 0%

66.32 0%

266.32

266.32

3-22-61
R.H. McDonald
H.B. Wells
J.H. Ekstrom

Cloudy - Temp. 40°

228' E of old - - - - woods road

10

Sta. Occ.	Sta. Sighted	Slope Dist.	Vert Angle	Horiz. Dist.	Mean Dist.
-----------	--------------	-------------	------------	--------------	------------

#5 #6

100.00 0%

55.00 0%

20.00 0%

100.00 0%

100.00 0%

27.74 0%

402.74

#6 #5

25.00 0%

100.00 0%

100.00 0%

20.00 0%

56.00 0%

85.00 0%

16.68 0%

402.68

402.71

Sta. Occ.	Sta. Sighted	Slope Dist	Vert. Angle	Horiz. Dist.	Mean Dist.
#6	#7	25.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		32.00	0%		
		20.00	0%		
		18.00	0%		
		29.25	0%		
		<u>424.25</u>			

Same

#7	#6	40.00	0%		
		22.00	0%		
		18.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		21.00	0%		
		23.44	0%		
		<u>424.44</u>			

Same

424.34

3-22-61

RHM
ABW
JHE

12 Sta. Occupied	Sta. Sighted	Slope Dist.	Vert Angle	Horiz. Dist.	Mean Dist.
------------------------	-----------------	----------------	---------------	-----------------	---------------

7 # 8

45.00	0%	
100.00	0%	
43.00	0%	
100.00	0%	
17.00	0%	
17.00	0%	
<u>36.84</u>	0%	
358.84		Same

8 # 7

46.00	0%	
15.00	0%	
13.00	0%	
100.00	0%	
46.00	0%	
100.00	0%	
<u>38.92</u>	0%	
358.92		Same

358.88

3-22-61

R.H.M.
H.B.W.
T.H.E.

13 Sta. Occupied # 8	Sta. Sighted # 9	Slope Dist.	Vert. Angle	Horiz. Dist.	Mean Dist.
-------------------------------	------------------------	----------------	----------------	-----------------	---------------

65.00	13 70	64.50
100.00	18 70	98.60
100.00	12 70	99.30
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	0 70	100.00
100.00	37.5 70	93.60
14.00	0 70	14.00
32.94	0 70	32.94
		<u>1402.94</u>

# 9	# 10	20.60	0 70	20.60
-----	------	-------	------	-------

# 10	# 9	20.60	0 70	<u>20.60</u>
------	-----	-------	------	--------------

20.60

3-23-61
R.H. McDonald
R.B. Wells
J.H. Ekstrom

North edge of pond

South edge of pond

Sta Occ # 9	Sta Sighted # 8	Slope Dist	Vert Angle	Horiz Dist.	Mean Dist.
-------------------	-----------------------	---------------	---------------	----------------	---------------

		33.00	0%	33.00	
		22.00	0%	22.00	
		100.00	35%	94.40	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	0%	100.00	
		100.00	12%	99.30	
		100.00	18%	98.60	
		<u>56.28</u>	13%	<u>55.86</u>	

1403.16

1403.16

1402.94

.22

1403.05

3-23-61
R.H. McDonald
A.B. Wells
J.H. Ekstrom

Clear - Temp 90+

15
Sta
Occ. Sta
Sighted Slope
Dist. Vert.
 Horiz. Mean
 Dist. Dist.

Sta #10 Sec. Cor. 25.55 0%

Sec Cor. #10 25.55 0%

Station #10 was obtained by setting
T on sta. 9 back sighting, plunging
and reading lowest number on tape
held on sec. cor. & being arced
over random line. Shortest dist.
From random to Sec. Cor of 27-28-
33-34 was 25.55'

Total Dist. of Random Line
5438.74'

Dist. From M.C. North bank Bass Lake
to Cor. Sec 27-28-33-34
4858.61

To Find Correction Angle for true
Line I use $\tan \alpha = \frac{25.55}{4858.61}$
 $\alpha = 0^{\circ}18'02''$

Sta. Occ.	Sta. Sight	1st A.	3rd A.	Mean Angle
M.C.	#1	0°18'	0°54'	0°18'
Northbank Bass Lk.	ON true LINE			

17

Sta. Occ.	Sta. sighted	Slope Dist	Vert. Angle	Horiz. Dist.	Mean Dist.
#1	M.C. North bank of Bass Lk.	45.00	0%		
		30.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		100.00	0%		
		18.89	0%		
		<u>693.89</u>			

M.C. #1

100.00	0%
100.00	0%
100.00	0%
100.00	0%
100.00	0%
100.00	0%
28.00	0%
22.00	0%
43.81	0%
<u>693.81</u>	

693.85

3-24-61
R.H. McDonald
H.B. Wells
J.H. Ekstrom

Clear - Temp. 40°-50° F.

Bay of Bass Lake extends 500' East
of sec. line.

Leave Lake on south bank

At sta. #1 Lake edge is 32' west

18 Sta. Occupied #1	Sta. Sighted #2	slope Dist.	Vert. Angle	Horiz. Dist.
		82.00	0%	
		7.00	0%	
		100.00	0%	
		60.00	0%	
		47.00	0%	
		30.00	0%	
		100.00	0%	
		100.00	0%	
		9.62	0%	
		<hr/>		
		535.62		

#2	#1	slope Dist.	Vert. Angle	Horiz. Dist.
		100.00	0%	
		100.00	0%	
		39.00	0%	
		76.00	0%	
		50.00	0%	
		100.00	0%	
		100.63	0%	
		<hr/>		
		535.63		

535.62

3-24-61
R.H.M.
F.B.W.
J.H.E.

Set spikes at 82' & 89' as straddle pts
to be used for setting 1/16 Con. Lake
edge is 32' west of these points

At 370 to 400 there is an indentation
in shore line which in high water would
let Lake shore extend 15' to 20' East of line.

At Sta # 2 Lake edge is 91' west

19 Staw Occ. #2	sta. Sighted #3	Slope Dist	Vert. Angle	Horiz. Dist.
		50.00	0%	
		100.00	0%	
		70.00	0%	
		72.00	0%	
		100.00	0%	
		3.55	0%	
		<u>395.55</u>		

Sta #3	#2		
		100.00	0%
		61.00	0%
		75.00	0%
		100.00	0%
		<u>59.71</u>	0%
		<u>395.71</u>	

395.63

3-28-61
R.H. McDonald
A.B. Welts
J.H. Ekstrom

Temp 50°
Cloudy

Placed spike at 50' for location of
Red topped post at which pt. Lake edge
is 48' west
At 220' Lake is 48' west

At sta. #3 Lake edge is 61' west

20 Sta. Occ.	Sta. Sighted	Slope Dist.	Vert. Angle	Horiz. Dist.
#3	#4			
		100.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		10.30	0%	
		8.00	0%	
		100.00	0%	
		7.92	0%	
		<u>623.22</u>		

#4	#3			
		100.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		23.19	0%	
		<u>623.19</u>		

623.20

3-28-61

Ht 300' Lake edge is 100' west of Turning

Ht ^{510.3'} ~~510'~~ & ^{518.3'} ~~518'~~ placed spikes for straddle
points for 1/4 Cor.

3-28-61

21 Sta. Occ.	Sta sighted	Slope Dist.	Vert. Angle
# 4	# 5	67.00	0%
		57.00	0%
		22.00	0%
		29.00	0%
		100.00	0%
		92.00	0%
		17.00	0%
		<u>28.03</u>	<u>0%</u>
		412.03	

# 5	# 4	32.00	0%
		19.00	0%
		100.00	0%
		100.00	0%
		27.00	0%
		48.00	0%
		<u>86.03</u>	<u>0%</u>
		412.03	

412.03

22 Sta. Occ.	Sta Sighted	Slope Dist.	Vert. Angle	Horiz. Dist.
#5	#6	21.00	0%	
		15.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		16.00	0%	
		22.00	0%	
		31.26	0%	
		<u>405.96</u>		

#6	#5	32.00	0%	
		22.00	0%	
		18.00	0%	
		100.00	0%	
		100.00	0%	
		100.00	0%	
		13.00	0%	
		<u>20.97</u>	0%	
		405.97		

405.97

3-28-61

3-28-61

23 Sta. Occ.	Sta. Sighted	Slope Dist.	Vert. Angle	Horiz. Dist.
# 6	# 7	30.00	0%	30.00
		25.00	0%	25.00
		100.00	0%	100.00
		35.00	0%	35.00
		88.00	0%	88.00
		10.00	0%	10.00
		47.00	22%	46.30
		40.27	0%	40.27
				<u>374.57</u>

# 7	# 6	39.00	0%	39.00
		100.00	20%	98.10
		62.00	0%	62.00
		23.00	0%	23.00
		100.00	0%	100.00
		29.00	0%	29.00
		28.45	0%	28.45
				<u>374.55</u>

374.56

24

Sta.
Occ.

#7

Sta.
Sighted
#8Slope
Dist.Vert.
AngleHoriz.
Dist.

100.00	2%	92.22
100.00	16%	98.64
100.00	10%	99.50
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	0%	100.00
100.00	15%	98.90
50.00	37%	46.88
17.00	0%	17.00
59.48	0%	59.48

1417.62

1417.92

3-28-61

R.H.M.

Set spikes at 54' & 64' far straddle pts.
For 1/16 cor.

866' Edge of Pond North

1250 Edge of Pond South

Sta. B is 2.71' East of Sec. Cor.

25 sta. Occ. #8	sta. Sighted #7	slope Dist.	Vert. Angle	Horiz. Dist.
		60.00	0%	60.00
		15.00	0%	15.00
		100.00	35%	99.40
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	0%	100.00
		100.00	10%	99.50
		100.00	20%	98.10
		52.23	25%	51.23
				1918.23

Total mean dist. From North M.C.
to Cor. Sec 27-28-33-34 4858.78

From sec. Cor to sec. Cor 5438.91

3-28-61
RHM

Being 2.71' East of Cor. Sec. 27-28-33-34
 I make following corrections: - West

630.00	South M.C. Sec. 27-28	0.35'
779.59	N $\frac{1}{16}$ Sec 27-28	0.43'
1279.97	Post	0.71'
1625.10	Post	0.91'
2139.32	$\frac{1}{4}$ Cor. Sec 27-28	1.19'
2250.05	Post	1.25'
3066.30	Post	1.71'
3940.86	Post	1.92'
3499.03	S $\frac{1}{16}$ Sec 27-28	1.95'
4136.22	Post	2.301
884.09	Post	
2671.68	Post	1.49

- Not set

- Not set

27 Posted 6-12-61 RHM

M.C. North bank Bass Lake Sec. 27-28

Notes of Orig. Govt. Survey of

W. Pine 7" N34°W 19 Lks or 12.54' (Now a
29" W Pine w/ decayed center N34W 12.5'
W. Oak 8" N88E 16 Lks or 10.56' (Now an
Oak stp. mostly decayed N88E 10.5')

Form 874-9 by Dorman Sutton Forest Eng.
in 1935 states he found both orig. B.Ts.
Oak w/ scribe "T191 R31 527 M.C." visible
Pine - scribe was grown over.

Set a 6" dia. 5' long cylindrical concrete mon.
capped w/a 3" dia. bronze tablet stamped

T191 R31 W

528 | 527

M.C.

From which bears: RLS NO 3628

White pine 24" N31°E 32.2' MKD M.C. BT

Oak 21" S51½°E 18.7' MKD M.C. BT

4" x 4" x 6' Treated cedar post N2°E 10.0'

March 30, 1961 Robert H. McDonald

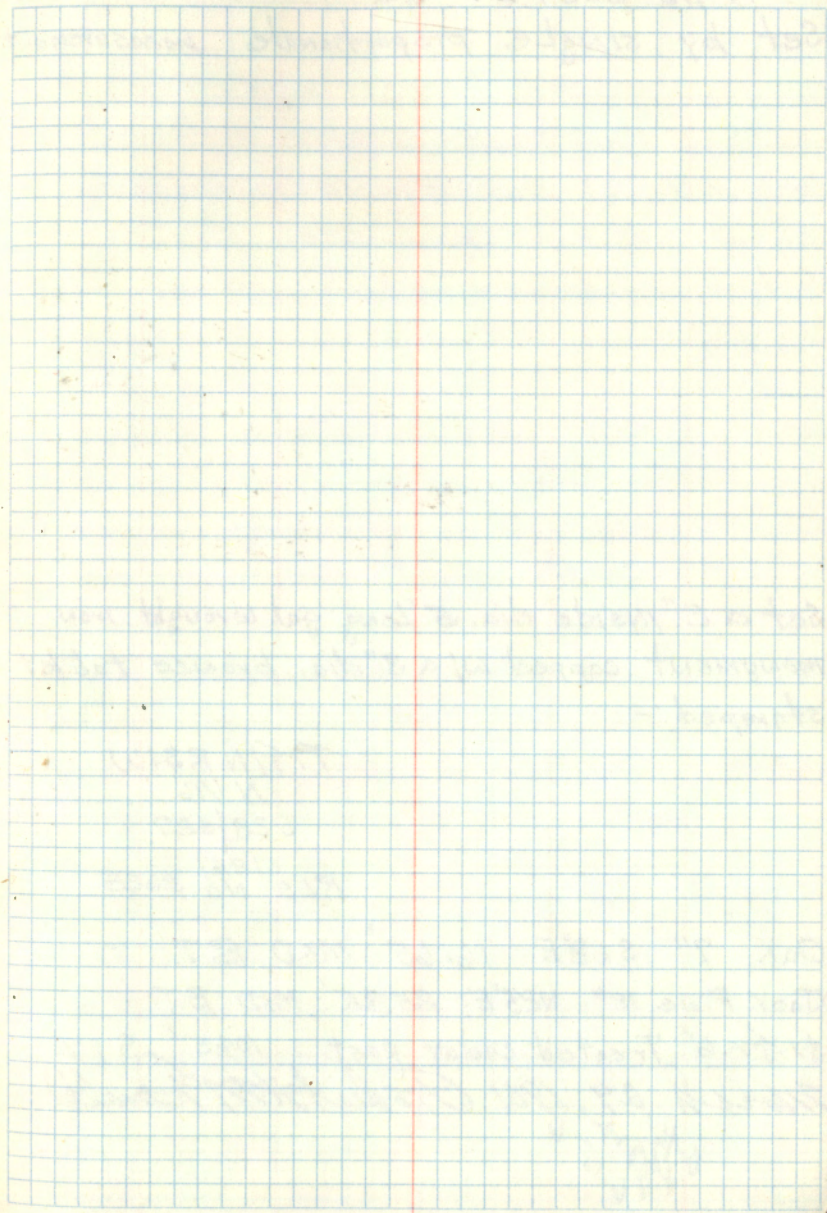
RHM
6-15-61

29

32.2 orig. 24" W Pine

28

M.C. South Bank Bass Lake Sec. 27-28



29 Posted 6-12-61 RHM

N 1/16 Sec. 27-28

Set by single proportionate measurement

Set a 2" inside dia. 5' long gal. wrought iron monument capped w/ a 3" dia. bronze tablet stamped:-

T141N R31W

N 1/16

S28/S27

RLS 1961
NO 3628

Oak 7" S68°E 16.65' MKD BT

Jack Pine 13" N25°E 35.85' MKD BT

4" x 4" x 6" Treated cedar post 104.5' S1°E

March 29, 1961 Robert H. M. Donald

o RHM
1961
6-15-61

1/4 Cor. Sec. 27-28

Orig. Notes:

W. Pine 6° N 6° W 7 Lks or 7.62'

Birch 6° S 70° E 12 Lks or 7.92'

A search of area showed no evidence
of orig. cor. or accessories.

Set by single proportionate measurement.

Set a 2" inside dia. 5' long gal. wrought pipe
filled w/ concrete & capped w/ a 3" dia. bronze
tablet stamped:

T191NR31W

1/4

S28 S27

R.L.S. 1961 3628
NO.

From which bears:

(Red Norway) Pine 18' S 44° W 69.9' MKD. 1/4 S28 BT

Oak 6" N 60° W 6.1' MKD 1/4 S28 BT

Oak 9" S 75° E 45.8' MKD 1/4 S27 BT

March 29, 1961 Robert H. McDonald

RHM
6-12-61

31 Poted 6-12-61 RLS

South $\frac{1}{16}$ Sec 27-28

Set by single prop. measurement.

Set a 2" inside dia. 5' long gal. wrought iron pipe filled w/ concrete & capped w/ a 3" dia. bronze tablet stamped:

TT41N R31W

S $\frac{1}{16}$

S28/S27

1961

RLS. NO. 3628

Oak 13' N $12\frac{1}{2}^{\circ}$ W 55.7' MKD $\frac{1}{16}$ S28 BT

Oak 14' N 47° E 74.7' MKD $\frac{1}{16}$ S27 BT

Cedar post - penta-treated & w/ a red top.

4" x 4" x 6 $\frac{1}{2}$ ' North 58.17'

March 30, 1961 Robert H. McDonald

MLD
6-15-61

32 Posted 6-12-61 RHM

Sec. Cor. 27-28-33-34

Notes of orig. govt. survey of 1873

B. Oak 6" N10E 10 LKs or 6.6'

B. Oak 5" N50W 8 LKs or 5.3'

B. Oak 6" S10W 18 LKs or 31.2'

B. Oak 6" S80E 29 LKs or 19.1'

No evidence of the orig. cor. or accessories were found. Cor. was found to be marked by a 1 3/4" x 98" iron pipe set by Co.

Surveyor John Greene in 1928 a plot of his survey is on file in Supervisors office Cass Lake, Minn.

Set a 2" inside dia. 5' long galv wrought iron pipe filled w/ concrete & capped w/ a 3" dia. bronze tablet stamped: T74INR31W

S28/S27

S33/S34

1961

From which bears.

RLS NO 3628

Red pine 20" N29°W 53.2' MKD T74INR31W S28 BT

Oak 10" N32 1/2 E 41.1' " " " S27 BT

Oak 6" S43°W 45.1' " " " S33 BT

Oak 8" S54 1/2 E 33.2' " " " S34 BT

6/5/61 R.H. McDonald

JK fgm
6-15-61

Found a F.S. metal location post on the 20" Red pine BT put up in 1935 also a new one on same tree - no date. This pine had been blazed as for a BT but was not scribed.

Cor. Sec.'s 21-22-27-28

Cor. consists of a 2" inside dia. gal. pipe
w/ brass cap. set by Cass Co. Surveyor
Harold Curo April 16, 1959. Affidavit
registered in Cass Co. Courthouse and
a copy on file in Forest supervisors
office Chippewa Nat. Forest.

B.T.s.

White Oak 7" S82°32'E 15.80' MKD S27 T14R31

Red Oak 20" N13°32'W 36.70' MKD S21 T14R31

Elm 19" S38°16'W 65.70' MKD S23 T14R31

SURVEY FOR THE LOCATION OF THE
E-W $\frac{1}{4}$ LINE SEC. 4
T.58N R.26W 4TH. P.M.

North Star Lake

35

STA Occupied	STA sighted	Slope Dist	Vert \angle	Horiz Dist
Sec Cor	#1	100	0°	100.0
		50.5	0°	<u>50.5</u>
				150.5
#1	#2	100.0 49.5	7°30' 7°30'	49.50
		100.0	7°30'	99.14
		100.0	0°	100.00
		61.37	0°	<u>61.37</u>
				310.01 440.51
#2	#3	100.0	6°10'	
		75.0	3°30'	99.42
		100.0	0°	100.00
		75.0	3°30'	74 77.86
		100.0	0°	100.00
		15.03	0°	<u>15.03</u>
				389.31 849.82
				849.82
#3	#4	100.0	10°20'	99.37
		100.0	0°	100.00
		23.65	0°	<u>23.65</u>
				1071.84
				1071.84
				222.02

#4

3-14-67
Okeman,
My Donald
Harvey Clear +30°

N.W. Cor. Sec 4
T.S.B.N., R26W
Wasco County, Men.

Nail in hub on North shore North Star lake
Orig. dist. to lake 16.66 (1100)
spruce 20" N 29°W 45.125 29.7
W. Pine 24" N 5E 40 " 26.4

37

Sta occ.	Sta sighted	Slope dist.	Vert. L	Hori. dist.
-------------	----------------	----------------	------------	----------------

#5	#6	100.0	0°	
		75.0	90°00'	
		95.51	2030'	

#5	#6	100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		30.0	0°	30.0

330.0

#6	#7	100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		88.39	0°	88.39

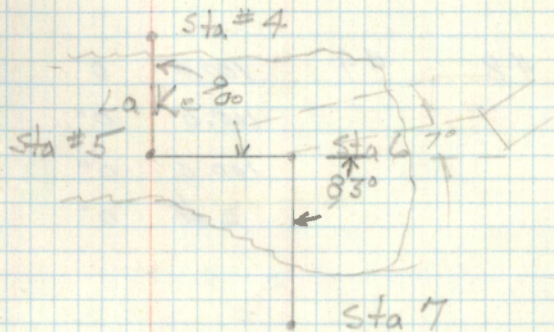
3160.23
~~3159.23~~
 488.39 3162.23

#7	#8	100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		81.6	0°	81.6

3641.83
~~3640.83~~

2671.84
~~2670.84~~

16.30



3-17-67 Clear 110°
 Okaman
 Hansey

STA Occ.	STA Sighted	Slope Dist.	Vert. Angle	Horiz. Dist.	
					3641.83
					3640.83
#8	#9	100.0	0°	100.0	
		100.0	0°	100.0	
		100.0	0°	100.0	
		36.48	0°	<u>36.48</u>	3978.31
				336.48	3978.31
#9	#10	100.0	0°	100.00	
		90.78	5°40'	<u>90.34</u>	4168.65
				190.34	4167.65
					4168.65
#10	#11	100.00	5°30'	99.54	
		100.00	0°	100.00	
		22.38	0°	<u>22.38</u>	4390.57
				221.92	4390.57
#11	#12	100.0	0°	100.0	
		80.0	0°	80.0	
		96.2	11°50'	<u>94.18</u>	4664.75
				274.18	4662.75
					4664.75

12" slump

J

2" hub

J

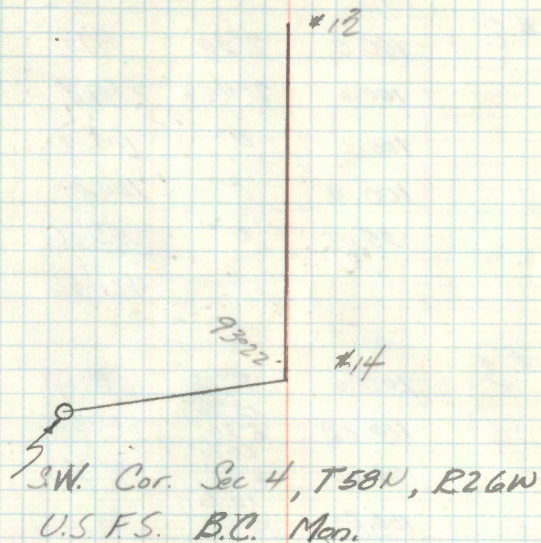
39

Sta. Occup.	Sta. Sighted	Sl. Dist	Vert. Δ	Horiz. Dist	
#12	#13	100.0	2°45'	99.89	4664.75
		100.0	0°	100.00	
		16.55	0°	16.55	4881.19
				216.44	4664.75

#13	#14	100.0	3°00'	99.86	
		100.0	11°06'	99.41	
		85.5	0°	85.50	5165.96
				284.77	5164.96

#14	B.C.	100.0	5°00'	99.62	
		9.32	0°	9.32	
				108.94	

3/23/67 P.M. cldy
Okerman
Elektroni
+ 35°



Sta Occupied	Sta Sighted	Sl. Dist	Vert %	Horiz Dist
B.C.	#1	68.22 68.08	1°30' 23%	68.20
		100.0	13°	97.44
		99.31	0°	99.31
				264.95
#1	#2	100.0	2°30'	99.91
		100.0	2°45'	99.89
		100.0	0°	100.00
		100.0	0°	100.00
		55.06	0°	55.06
				454.86
				719.21
#2	#3	100.0	5°15'	99.58
		100.00	15% 8°30'	98.90
		83.00	20% 11°20'	81.36
		100.00	10% 5°45'	99.50
		14.21	0°	14.21
				393.55
				1113.36
#3	#4	100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0
		100.0	0°	100.0

3/24/67 Old, windy
Oleman
Ekstrom
1740°

T SBN, R2GW

541 S3

1966

R.L.S. 130 6807

2" Spruce hub with nail

41

STA	Occ	Sta Sighted			
		100.0	0°	100.0	
		10.4	0°	10.4	
				<u>710.4</u>	1823.76
#4	#5	100.0	0°	100.0	
		100.0	0°	100.00	
		100.0	0°	100.00	
		100.0	0°	100.00	
		100.0	0°	100.00	
		100.0	0°	100.00	
		100.0	0°	100.00	
		12.82	0°	<u>12.82</u>	
				<u>812.82</u>	2636.58
#5	#6	100.0	15°10'	96.52	
		39.15	16°05'	<u>37.62</u>	
				134.14	2770.72
#6	#7	100.00	4°00'	99.76	
		100.00	5°00'	99.62	
		100.00	5°00'	99.62	
		100.00	5°10'	99.62	
		37.55	5°10'	<u>99.62</u>	
				498.24	3228.96

Edge Lake

Edge Lake

31.00 temporary point in 10" Birch stump - 1818+
 West side of lake Pt #5

Okerman 3/50/67
 Ekstrom

Sta Occup.	Sta Sighted	S. Dist	Vert. \angle	Horiz. Dist	
#7	#8	100.00	0°	100.00	
		100.00	0°	100.00	
		92.75	0°	<u>92.75</u>	
				292.75	3561.71
#8	#9	100.00	10°00'	98.48	
		100.00	12° 6°50'	99.30	
		13.58	0°	<u>13.58</u>	
				211.36	3773.07
#9	#10	100.00	0°	100.00	
		100.00	3°30'	99.81	
		13.95	0°	<u>13.95</u>	
				213.76	3986.83
#10	#11	100.00	0°	100.00	
		100.00	0°	100.00	
		100.00	2°	99.94	
		47.91	0°	<u>47.91</u>	
				347.85	4334.68
#11	#12	85'	15°30'	81.91	
		60'	15°40'	57.77	

Oberman
Ekstrom
Hansey

3/31/67
11/1/67 +35°

2" Hub near crest of hill

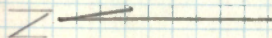
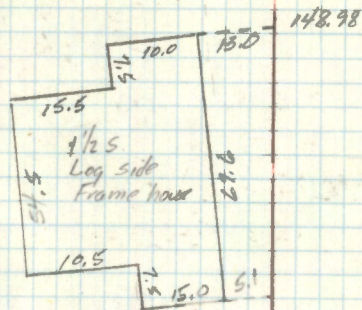
STA. OCCUP STA. SIGHTED SL. DIST. VERT. DIST. HORIZ. DIST.

STA. OCCUP	STA. SIGHTED	SL. DIST.	VERT. DIST.	HORIZ. DIST.
(9.3)	Do not include in total			
80.0	0°	80.0		
100.00	11°20'	98.05		
100.00	0°	100.00		
100.00	0°	100.00		
100.00	0°	100.00		
100.00	0°	100.00		
100.00	0°	100.00		
100.00	0°	100.00		
98.4	0°	<u>100.00</u>		
		1017.73	5352.41	

E. side of house

0.4 W. of West end house

+ 15' store line



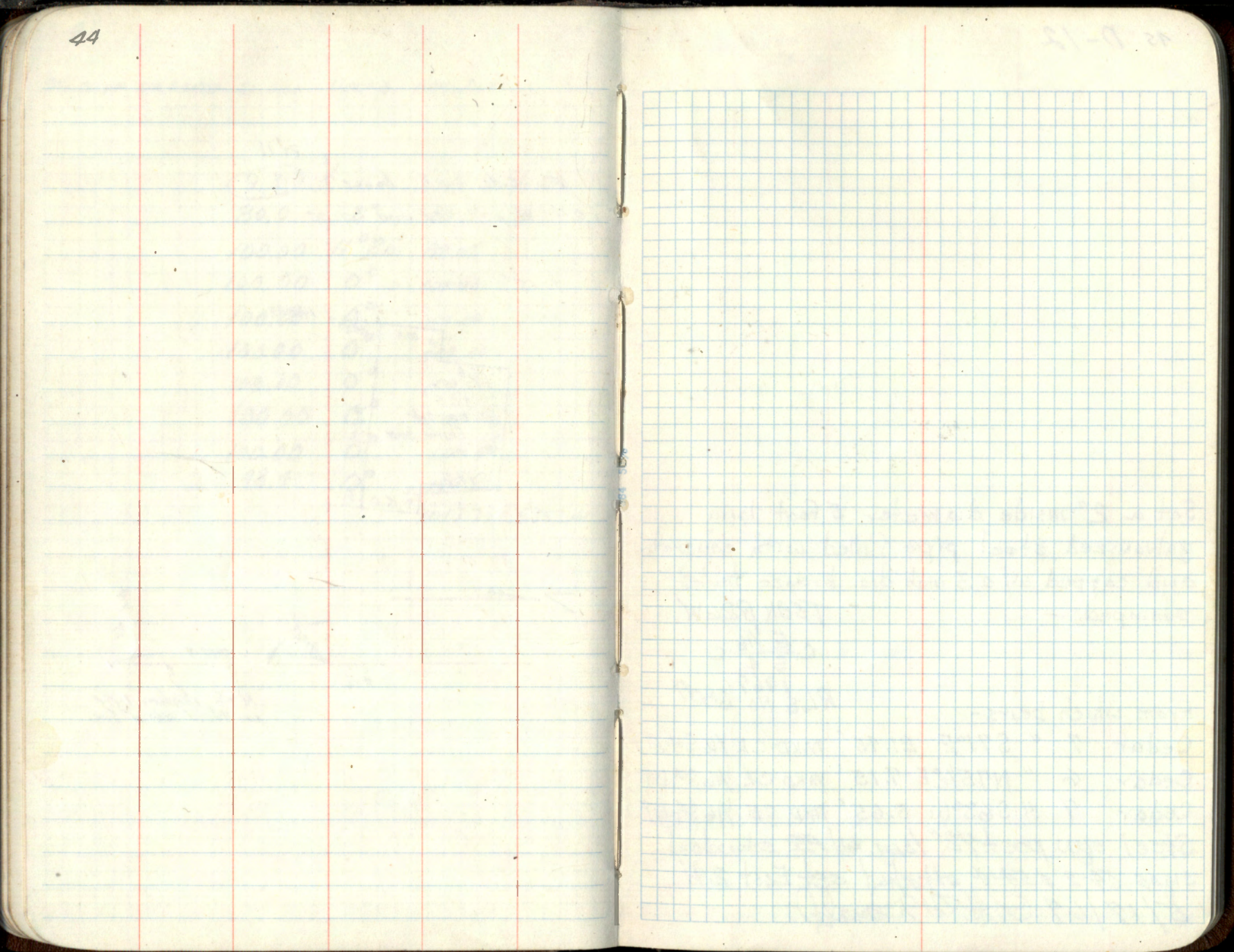
#12

91°15'

442.9

Pt #7

N-S random line
on West side of Sec.



45 D-12

Set a 2" inside diameter 5 foot long
galvanized steel pipe filled with concrete
and capped w/ a 3 inch dia. bronze tablet
stamped: -

T58N R26W

$\frac{C E \frac{1}{16} C}{S 4}$

1967
RLS No 6807

From which bears -

Cedar 7 " S71°E 21.45' MKD CE $\frac{1}{16}$ S4BT

Cedar 6 " N75½°E 7.15' MKD CE $\frac{1}{16}$ S4BT

Cedar 7 " S63°W 3.65' MKD CE $\frac{1}{16}$ S4BT

Steel sign post 72" long w/ F3 standard
signs 54-2 & 54-4 attached set East 2.9'

5/17/67 R.A. McDonald

Affidavit
JE

01/18-0

46 C-9, 10

Set a 2" inside dia. 5 Foot long galvanized steel pipe Filled w/ concrete and capped w/ a 3" dia. bronze tablet stamped:

T5BN R26W
C | SMC | C
 | S4 |
 | 1967 |
RLS NO 6807

Cedar 7" S85°E 48.6' MKD SMC S4 BT

Cedar 7" N48°E 77.6' MKD BT

Cedar post 4"x4"x6' w/F.S. standard signs
54-254-4 attached set East 2.65 feet.

At 1/26

Rechecked
9/67
OK

May 5, 1967
McDonald

47 C-11

Set a 2 inch inside diameter, 5 foot long
galvanized steel pipe Filled w/ concrete and
capped w/ a 3 inch dia. bronze tablet stamped:-

T58N R26W:

C $\frac{1}{4}$ S4

RLS ¹⁹⁶⁷ NO 6807

Cedar 9" N69°W 41.9 Ft. MKD C $\frac{1}{4}$ S4 BT

Birch 8" S39 $\frac{1}{2}$ °W 25.3 Ft. MKD C $\frac{1}{4}$ S4 BT

Steel sign post 72" long w/ FS standard

signs 54-2 & 54-4 attached set West 3.15'

May 8, 1967 *[Signature]*

Found a squared post. N 4°W 17.3 feet from
 which a F.S. metal location poster bears
 N 41°E 31 links - poster put up by Juneau
 IN 1936.

Set a 2 inch inside dia., 5 Foot long galvanized
 steel pipe filled w/ concrete and capped w/ a
 3 inch dia. bronze tablet stamped:

T5BN R26W
 S 1/16
 S 5 | S 4
 1967
 RLS No 6807

Cedar 7" S 22° E 22.8' MKD S 1/16 S 4 BT

Cedar 7" S 21° W 23.1' MKD S 1/16 S 5 BT

Steel sign post 72" long w/ F.S. standard
 signs 54-2 & 54-4 attached set North 5.7'
 5-17-67 H McDonald

SURVEY OF WEST 18 ACRES
 SEC 17, T51N, R25W
 4TH P.M.

July 13, 1967

Clear 175

Okerman - T & notes

Ekstrom - ch

Allen - ch

" 7/14/67 clear 175

" 7/18/67 " 190

" 7/20/67 " 195

Okerman

Ekstrom

STA	DEP. &	DIST	VERT. &	SL. DIST	DIST RT. TO HIGH- WATER LINE
		50.0	0		21
		<u>279.00</u>			
P.I. #3	24°55'R				22
		4.75			
		50.0	0		
		50.0	0		4
		50.0	0		10
		<u>50.0</u>	0		9
		204.75			
P.I. #2	32°34'L				11
		29.65	0		
		<u>50.0</u>	0		21
		79.65			
P.I. #1	39°17'L				14
		26.35	0		
		50.0	0		18
		<u>50.0</u>	0		16
		126.35			
M.C.	60°44'R				4

BRG.

N 15° 45' E

N 11° 07' W

N 41° 21' E

N 60° 44' E
N 39° 17' E

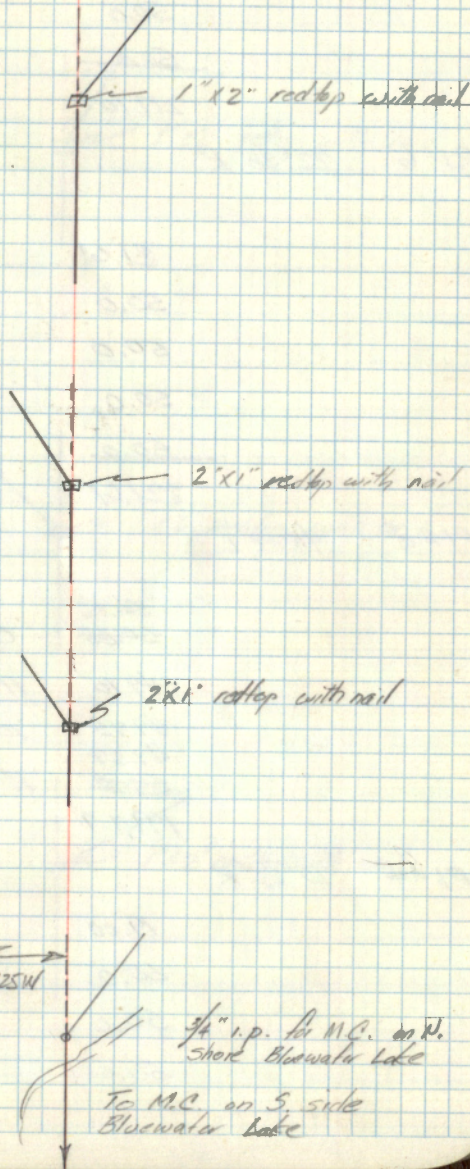
North

W. Line of \rightarrow
Sec 17, T57N, R25W3/4" i.p. to M.C. on N.
shore Bluewater LakeTo M.C. on S. side
Bluewater Lake

1" x 2" redtop with nail

2" x 1" redtop with nail

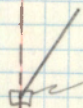
2 1/2" redtop with nail



STA	DEFL Δ	DIST	VERT Δ	SL. DIST	DIST. RT TO HIGHWATER LINE
		50.0			6
		<u>50.0</u>			11
		217.10			
P.I. #6	22°28' R				14
		21.61			
		50.0			6
		50.0			4
		50.0			2
		<u>50.0</u>			9
		221.61			
P.I. #5	49°34' L				19
		50.75			
		<u>50.85</u>	0		
		49.70	11%	50.0	19
		49.75	10%	50.0	6
		49.57			
		<u>50.0</u>	13%	50.0	22
		199.77			
P.I. #4	75°25' R				
		19.00			
		50.0			47
		50.0			25
		50.0			16

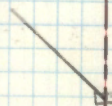
B.C.G.

N 62°07' E



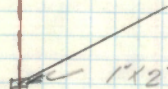
1" x 2" redtop with nail

N 39°39' E



1" x 2" redtop with nail

N 89°13' E



1" x 2" redtop with nail

N 13°46' E

52

DIST RT.
TO
HIGHWATER
LINE

STA DEFL. DIST. VERT. SL. DAT.

P.I. #1

17.10

50.0

50.0

6

7

8

End Meander line

J-5

Sec Cor. Secs 7, 8, 17, 18 T57N, R25W

Replaced iron pipe set by Co. Surveyor during the subdivision of Sec 18

Affidavit
C.L.E.July 24 1967
Oksman
Ekstrom
Crest
+ 75"

Set a 2" inside diameter galvanized steel monument filled with concrete and capped with a 3" diameter brass cap stamped 2

T57N, R25W

S7 | S8

S18 | S17

1967
R.L.S. NO. 6807

Witnessed by the following B.T.'s.

Maple	5"	S51°W	13.0 feet	scribed	S18BT
Birch	5"	50°	12.0		
Maple	6"	S57°E	6.8 feet	scribed	S17BT
		26°	24.2		
Birch	5" d	N50°W	14.7"	"	S7 BT
		41°	22.5		
Birch	8"	N44°E	23.8	"	S8 BT
Rock	2.5 x 2.5 x 1.5 high		S26°W		

Steel sign post due South ^{91.0} 15.0 feet with signs 52-2 & 54-4 attachedWLO
7/24/67

54

STA	Depth	Dist	Leak %	SL Dist
-----	-------	------	--------	---------

100.00 0

100.00 0

100.00 0

100.00 0

99.98 / 2% 100.0

99.95 / 3% 100.0

99.92 / 4% 100.0

929.81

P.O.T. 8

35.25 / 0

97.44 / 22.5%
100.0 100.0

132.69

P.O.T. 9

86
82.28 / 4.5% 86

99.64 / 8.5% 100.0

99.09 / 13.5% 100.0

285.01

285.35

P.O.T. 10

70.77 / 24%
99.0 72.78

99.60 / 9% 100.0

170.37

170.61

Sec Cor

Field check of Co measurements

FSW-R25W
B.C. Man $\frac{7}{18} \frac{8}{17}$

55

P.O.T.

13.55	0	
90.0 ✓	1%	90.00
99.32 ✓	11.5%	100.00
99.50 ✓	10%	100.00
99.76 ✓	7%	100.00
³⁹ 94.86 ✓	35%	100.00
99.28 ✓	12%	100.00
99.28 ✓	12%	100.00
99.64 ✓	8.5%	100.00
^{9.01} 68.99 ✓	17%	70.0
^{9.01} 96.71 ✓	25.5%	100.00
100.00	0	
^{1060.63} 1060.39		

1061.2

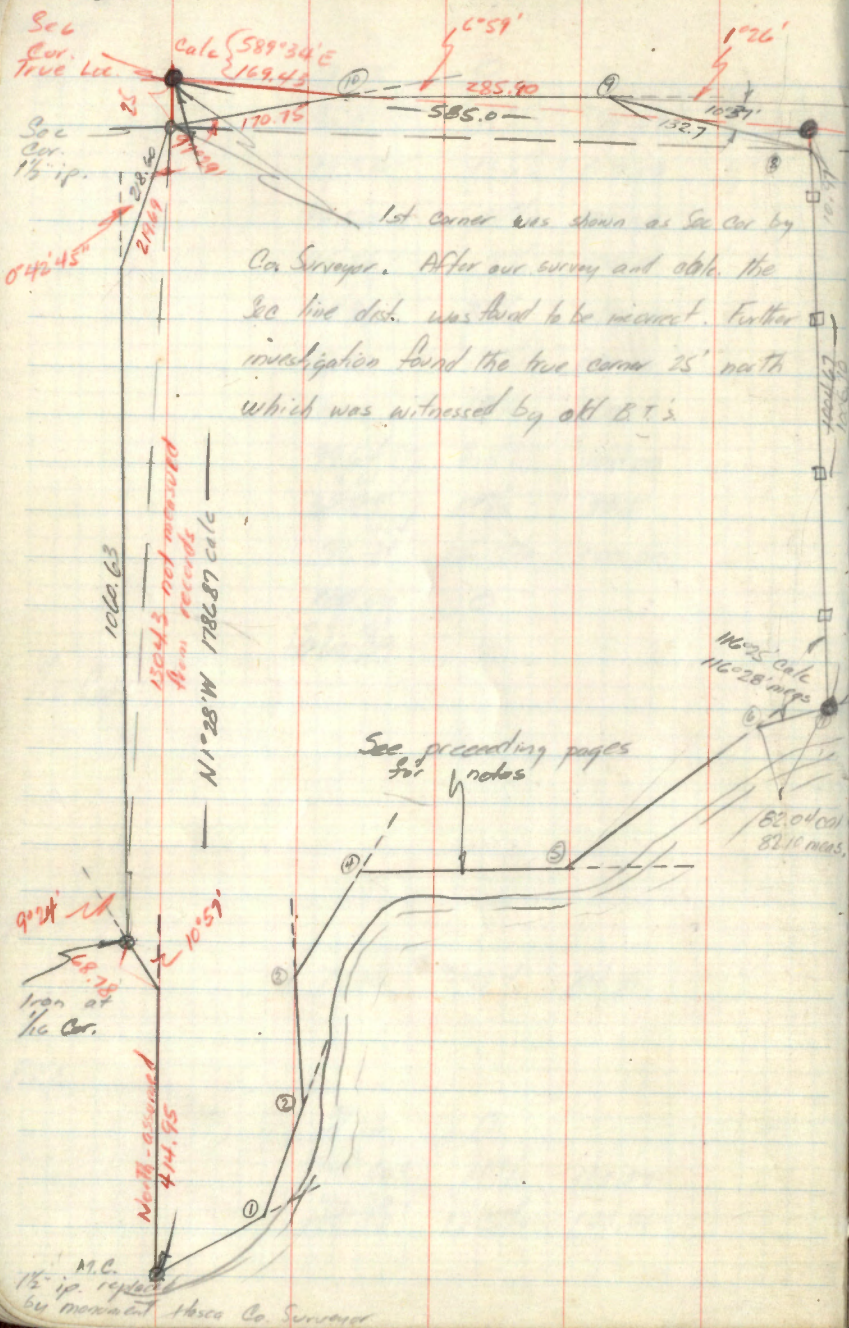
1/16 Ca

S.M.E.
P.O.T. 7

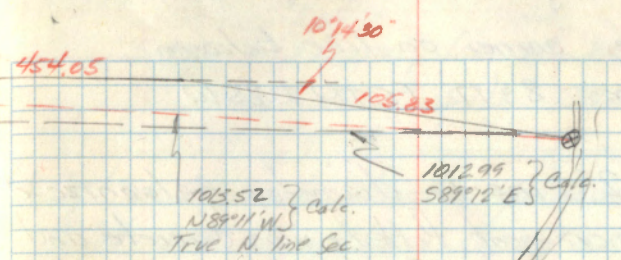
74.86 * 52% 84.39

P.O.T.

31.36	0	
99.40 ✓	11%	100.00
99.20 ✓	12.5%	100.00



1st corner was shown as Sec Cor by Co. Surveyor. After our survey and data the Sec line dist. was found to be incorrect. Further investigation found the true corner 25' north which was witnessed by old B.T.'s

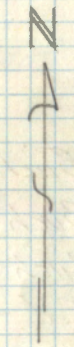


Note: Red top cedar 6" x 6" cedar posts with FS 54-2 signs attached from north to south at: 0522, 4400, 7145, 9425

S.M.C.

Bluewater Lake

- Notes:
- Indicates F.S. men set
 - " " Mason Co. men set
 - " " 6" x 6" cedar posts on line
 - Red " " information from Co. Surveyor

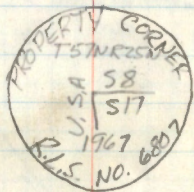


57
27 ad out
2.8

J. 5, 6

Property corner on line between
Secs 8 & 17 T57N R25W

Set a 2" inside diameter galvanized
steel monument filled with concrete and
capped with a 2" diameter brass cap
stamped -



Birch 8" N34°W 4.7 feet scribed PC SB BT
Birch 6" S23°E 8.45 feet scribed PC 517 BT
Birch 4" S37°W 6.5 feet scribed X BT
Red top cedar post 4" x 4" x 6' with FS.
signs 54-2 & 54-4 attached due South 33.0 feet

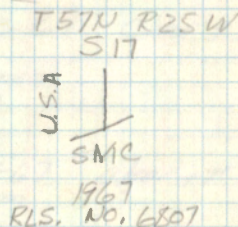
8/1/67
WPT Okun

27 ad out
2.8

J.K. - 56

SMC on Property line at W 1/8 Acres
Sec 17 T 51N R25W

Set a 2" inside diameter galvanized monument
filled with concrete and capped with a 3"
diameter brass cap stamped -



Aspen 6" S10°W 23.8 feet scribed SMC 517 BT
Aspen 4" N49°E 16.5 feet scribed 517 BT
Red top cedar post 4" x 4" x 6' with I.S.
Signs 54-2 & 54-4 attached due North 6.6 feet

8/1/67
WPT Okun

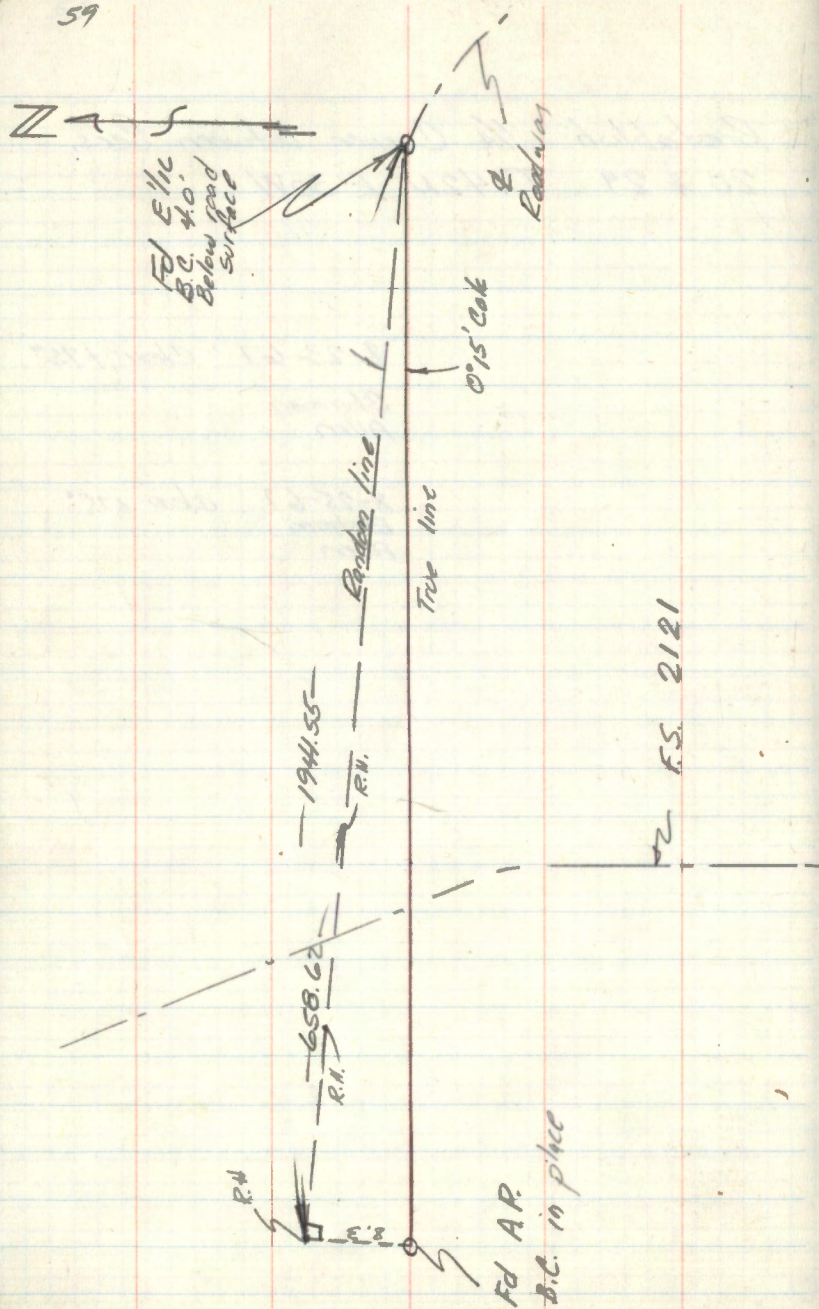
Reestablish the Corner between Secs.
20 & 29 T142N R30W

8-23-67 Clear + 75°

Okerman
Allen

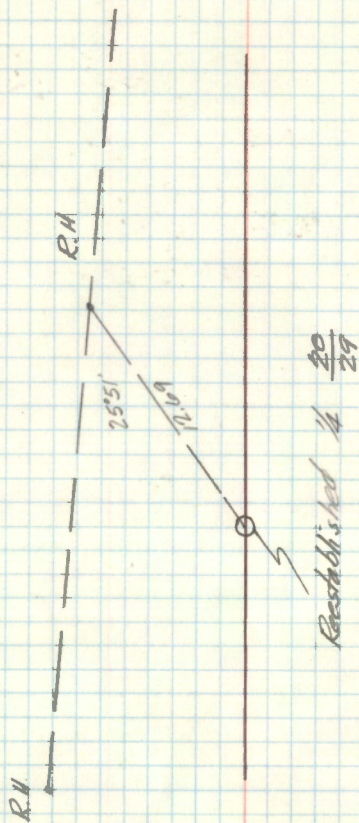
8-25-67. Clear + 75°

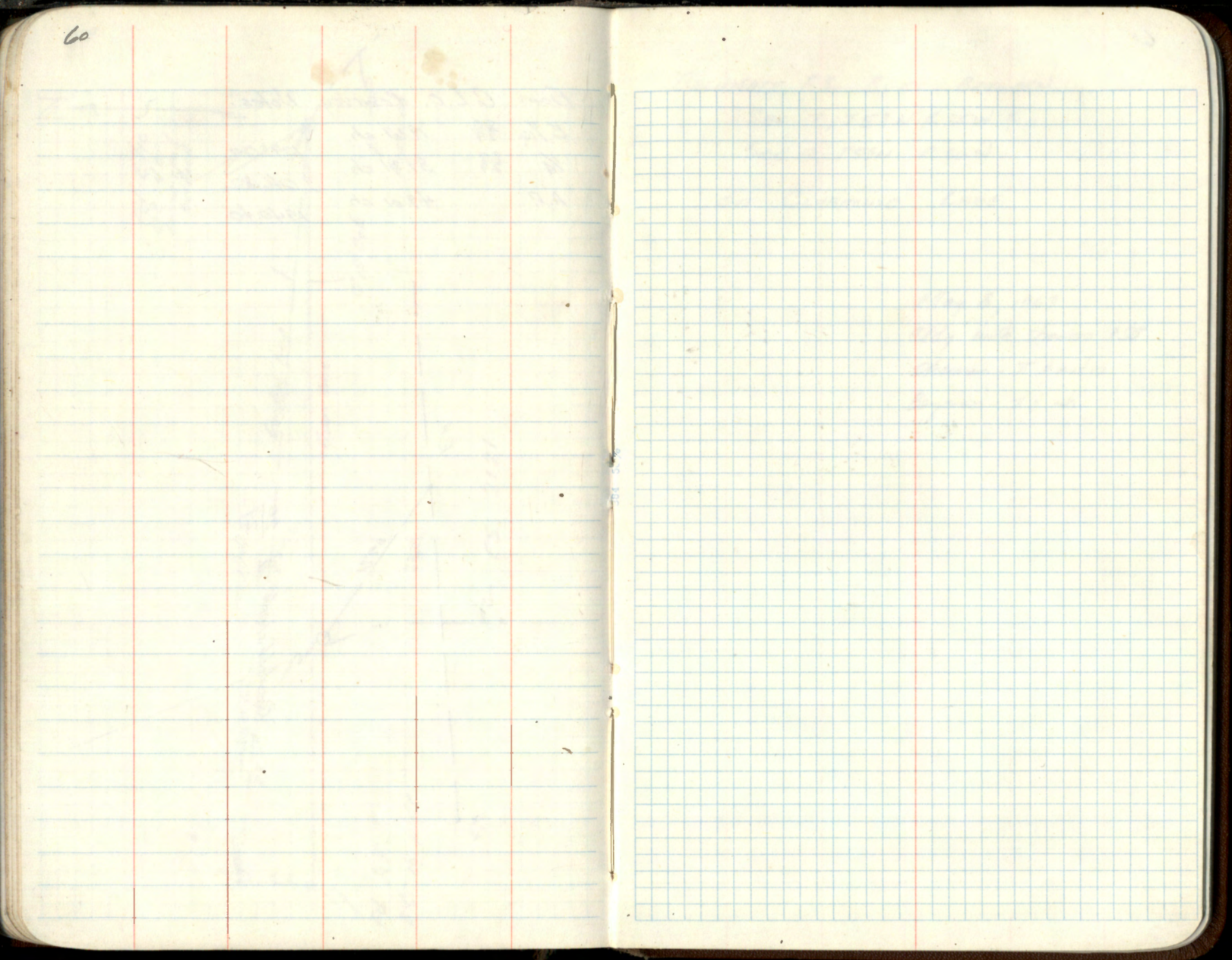
Ekstrom
Allen



From G.L.O. Resurvey Notes:

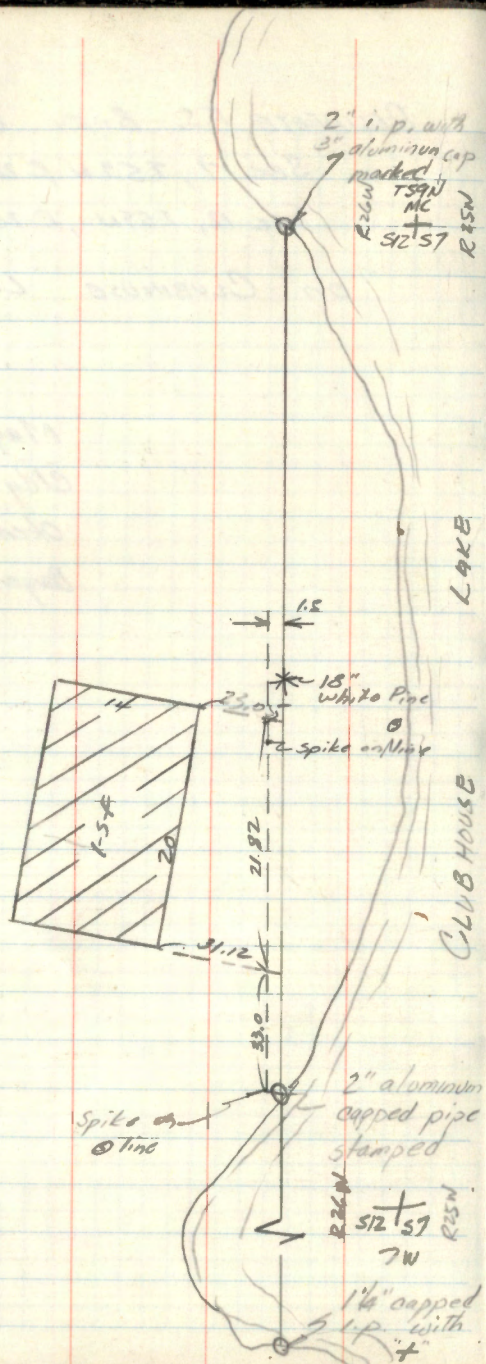
E.I.C.	$\frac{20}{29}$	19.61 ch	1293.60
A.P.	$\frac{20}{29}$	39.21 ch	<u>646.80</u>
			1940.40





DELINEATE F.S. BURY BETWEEN
SEC 7, T59N, R25W &
SEC 12, T59N, R26W
ON CLUBHOUSE LAKE

May 8, 1969
Cldy with showers + D°
Okerman - T & notes
Bageron - T & ch



BLUEWATER LAKE SURVEY

McAllister suspected trespass

F.S. description 2 (Simmons⁴ 2763)

W. 40 rods and the N 40 rods

Lot 11, Sec. 8 T57, R25

From 1915 Survey of Co. Sur. P.C. Warner

3/16 bet. Secs 7 & 8 - Now 1" i.p.

Pine stump 40" S60E 95.7 - Now stp with scribe marks
visible S 60 E (mag) 95.7

" " 12" N75W 39.0 - Cone

Barber's SW Corner (Cor on N line 874.2 from Stk)
Fd 1" i.p. Pine stp 72.5Pine stump 30" N10°W 72.5 - N10°W Mag. scribed
ROBINSON STPine stump 13" - East on line S45 - Buried pine stump
at Brq's Dist1/4 bet 7 & 8 (Fd 90' cedar
Fd " " post)

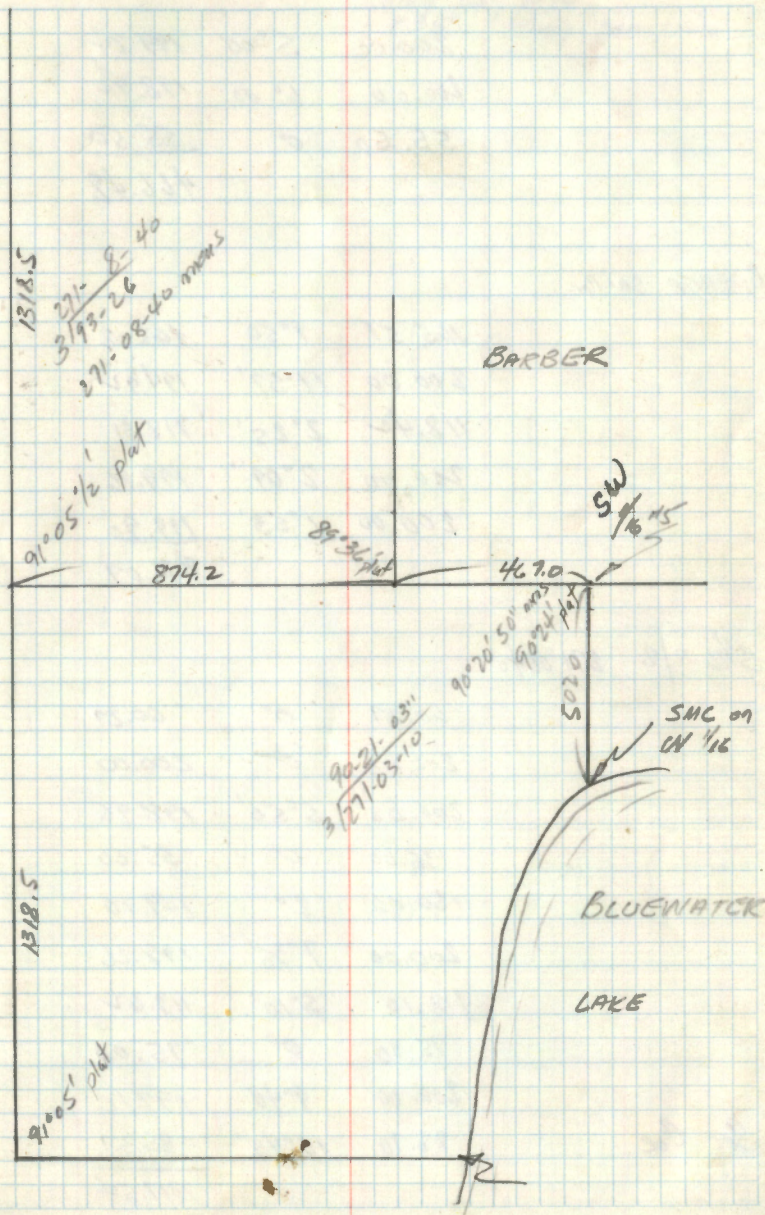
Balsam 10' West 132.5

Ash 4" N60°E 45.8

1/16 #5 (SW 1/16) - Fd 1 1/4"

Pine stp 30" S23°W 40.1 - Pine stp at record
Brq's Dist scribe visible

Pine stp 30" N11°E 78.0



64

200.00	5°00'	199.24
200.00	6°00'	198.90
55.50	0°	<u>55.50</u>
		466.48

BACBGE SA Co

165.51	9°50'	163.08
200.00	11°57'	194.92
118.42	2°25'	118.31
200.00	2°09'	199.86
200.00	1°53'	199.90
		<u>876.07</u>

S¹/₁₆ 7/8 271°08'40"

60.27	0°	60.27
200.00	0°	200.00
200.00	5°50'	198.96
35.00	0°	35.00
150.00	2°	149.90
200.00	7°35'	198.26
118.10	5°10'	117.62
75.00	0°	75.00
200.00	9°40'	197.16
88.70	15°45'	85.37
		<u>1317.54</u>

Sec Coe

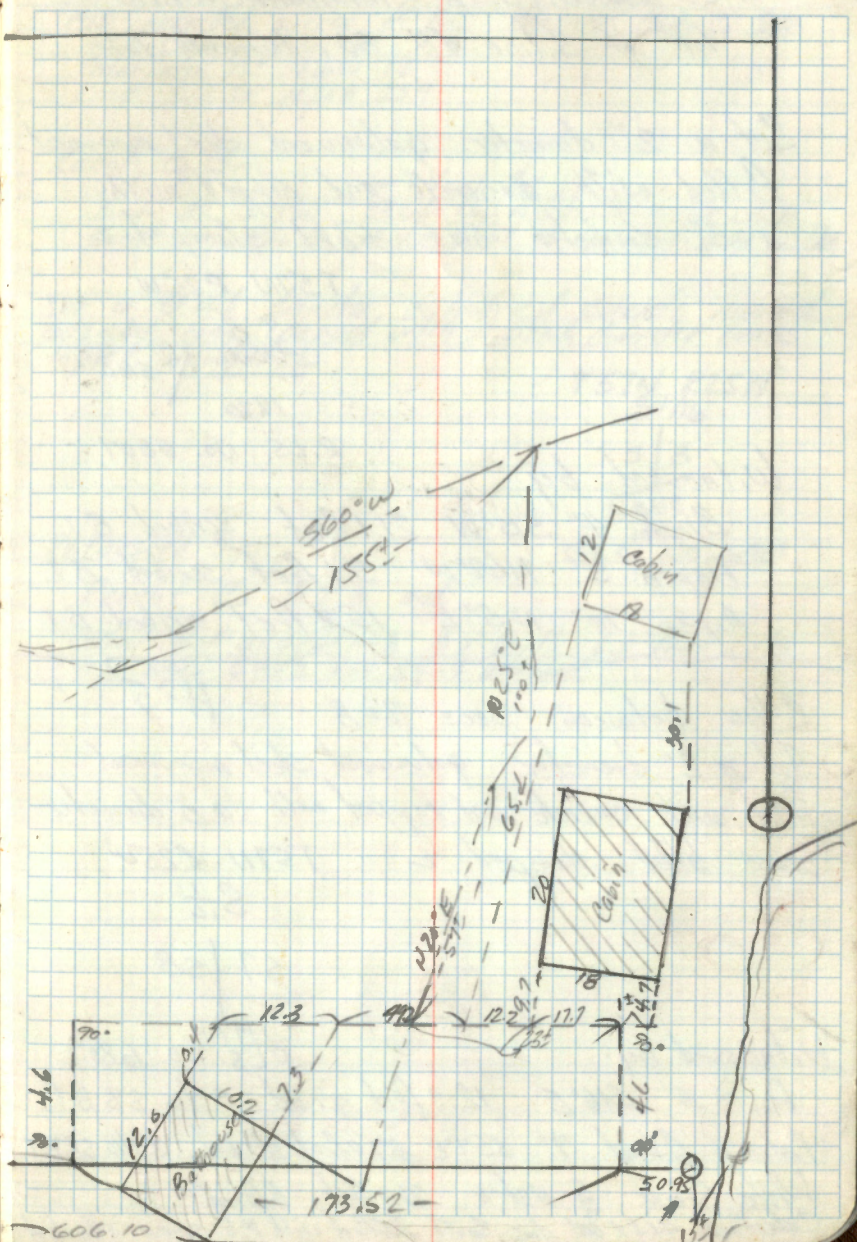
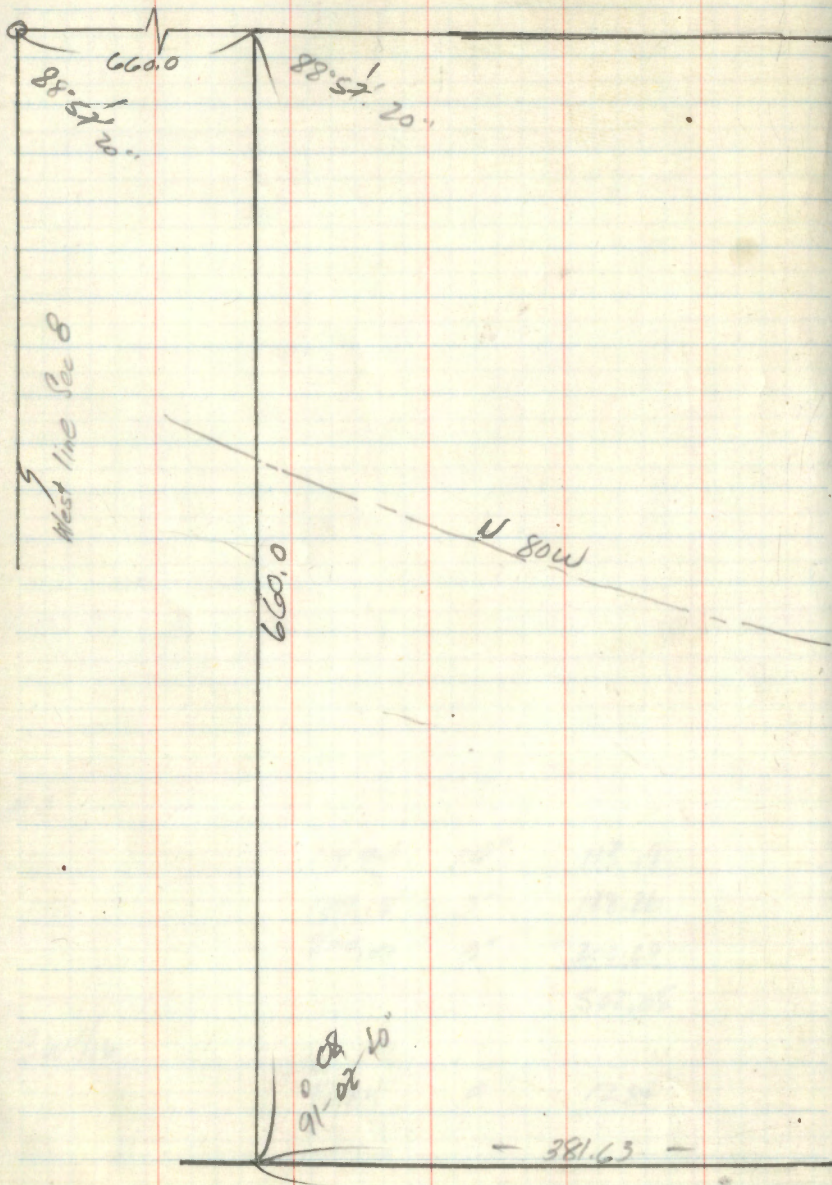
May 25 1970
+35° / Windy snow rain

114.94	10°	113.19
189.12	3°	188.86
200.00	0°	200.00

502.05

SW 1/4

12.84	0	12.84
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67

H.J.-5, 6a

S.M.C. between U.S.A. & No. Alister N. line
 lot of S. line 80 rods with lake

Set a 2" diameter galvanized steel monument
 filled with concrete and capped with
 a 3" diameter brass tablet stamped 2

T57N R25W

S B
 U.S.A. | SMC
 1970

R.L.S. NO. 6807

Witnessed by

Birch 4" S15°W 21.1 feet scribed B.T.
 Aspen 5" N62°W 5.1 feet scribed B.T.
 Aspen 10" N5°E 15.2 feet scribed B.T.

S 1/16 between Secs 7 & 8 H-5

Set a 2" diameter galvanized steel monument
 filled with concrete and capped with a 3" diameter
 brass tablet stamped 2 T57N R25W

S 1/16

57 | S8

1970

R.L.S. NO. 6807

Witnessed by:

Aspen 5" S16°E 12.7 feet scribed S 1/16 S8 B.T.
 Balm of Gilead 7" S57°E 57.0 feet scribed S 1/16 S8 B.T.
 White Spruce 5" N24°E 22.9 feet blazed
 Cedar Post 4x4x60" due South 3.5 feet with F.S. signs attached

H.J.-6

S.M.C. on W 1/4 Sec 8

(M.C. #14)

MIS recorded survey of P.C. Warner Thosa Co. Sur.

4x4 Cedar post
 Cedar stp 12" N20W 1.8'
 Pine " 30" N30W 23.9'

Recent Co. Sur.

Set 9x9" i.p. — Now 12" i.p.
 Birch 8" S73°W 23.64 — Now as described — scribe visible
 Birch 10" N52°E 12.4 — Now as described — scribe visible

Set a 6" diameter cylindrical concrete monument
 60 inches long, capped with a 3" diameter brass
 tablet stamped 2

T57N R25W

S 1/16

S | B

SMC

1970

R.L.S. NO. 6807

Witnessed by

Recent Co. B.T.'s and

Cedar Post 4x4x60" ^{1/2} inch due North 6.1 feet with
 F.S. signs 54-2 and 54-4 attached.

68

H-6

SW $\frac{1}{16}$ Sec 8 (T₁₆#5)

See page for previous info

Set a 2 inch diameter galvanized steel
monument 60 inches long filled with concrete
and capped with a 3" diameter brass tablet
stamped 2 T57N R25W

Witnessed by

Elm 5" S65W 17.9 feet scribed SW $\frac{1}{16}$ S8BTBalm-of-Gilead 9" N56W 29.9 feet scribed SW $\frac{1}{16}$ S8BTElm 7" S34⁰E 60.3 scribed SW $\frac{1}{16}$ S8BTCedar post 4x4x60 inch due south 1.5 feet
with signs S4-2, S4-4 attachedCedar post 4x4x⁷²60 inch due west 7.4 feet
with sign S4-2 attached

69 J-56a

Property corner Bet. Secs. 8 & 17

Set a 6" x 24" cylindrical concrete monument and capped with a 3" dia. brass tablet stamped.

monument flush with ground

PROPERTY CORNER
T57N. R25W. P

USA | S8

S17

1970

RLS No. 6807

Witnessed by.

Birch 10" N16°E 30.35' scribed PC S8 BT

Aspen 11" N24°W 11.70' " PC S8 BT

Birch 6" S51°E 31.17' PC S17 BT

Cedar Post 4" x 4" x 66" long due

North 4.6' with F.S. signs 54-214 attached

6-8-70

Curt Krause

HJ-5,6

Property Corner Sec. 8
East to McAllister's

Set a 6" x 60" cylindrical concrete
monument with a 3" brass tablet stamped

PROPERTY CORNER
T.57N R.25W

SB USA

USA

1970

Witnessed by

PLS NO. 6807

Balm-i-Gilead 9" S78°W 22.7' scribed PC SB Bl.

Birch 6" N24°W 21.8' scribed PC SB Bl.

Birch 8" N22°E 33.4' scribed PC SB Bl.

Cedar post 4" x 4" x 72" long set due South 3.3'
of corner with F.S. signs 54-2 & 4 attached.

Cedar post 4" x 4" x 72" long set due East 4.7'
of corner with F.S. sign 54-2 attached.

END OF
BOOK