301

FIELD BOOK

S 1135

INDEX

Swanson - Swanson & Swanson
Attorneys at Brainerd
$50 on account
Road No of Crosby Minn

8

run North

Spike in ℄ Tar 23.9 wide

Sta	HI	100+ Elev Ass.	+ s	-s	rod
00					
120	109.08	100.8		8.36	8.30
140		101.6			7.53
60		102.4			6.71
80		103.0			6.08
180		103.5			5.60
100		103.9			5.23
20		104.1			4.98
40		104.3			4.82
60		104.5			4.63
80		104.7			4.40
200		104.7			4.45
20		104.6			4.35
40		104.6			4.50
60		104.6			4.53
80		104.5			4.60
300		104.4			4.70
20		104.4			4.65
40		104.3			4.80
60		104.2			4.90
80		104.1			5.00
400		104.0			5.10

run North
Spike in ℄ Tar 23.9 wide

Sta	H I	100 Elev Ass.	+ s	− s	rod
00					
+20	109.08	100.8		8.30	8.30
+40		101.6			7.53
40		102.4			6.71
80		103.0			6.08
180		103.5			5.60
100		103.9			5.23
20		104.1			4.98
40		104.3			4.82
60		104.5			4.63
80		104.7			4.40
200		104.7			4.45
20		104.6			4.45
40		104.6			4.50
60		104.6			4.53
80		104.5			4.60
300		104.4			4.70
20		104.4			4.65
40		104.3			4.80
60		104.2			4.90
80		104.1			5.00
400		104.0			5.70

	Rod reads	Elev.
420	5.15	103.9
40	5.10	104.
60	4.95	104.1
80	4.70	104.4
500	4.40	104.7
20	4.15	104.9
40	3.90	105.2
60	3.75	105.4
80	3.50	105.6
600	3.20	105.8
20	3.10	106.1
40	2.80	106.3
60	2.60	106.5
80	2.35	106.7
700	2.10	107.
20	1.90	107.2
40	1.65	107.4
60	1.40	107.7
80	1.15	107.9
800	90	108.2

Brush along fence line
from 400 - 800

Traverse 500 site S along ℄

+20 - 1°28' L [illegible]
40 1°02' L
60 59' L
80 59'
600 1°06' L
20 1°21' L
40 1°35' L
60 1°57' L
80 2°22' L
700 2°26' L
20 3°33' L
40 4°22' L
60 5°10' L
80 5°35' L
800 6°40' L

@ 100' ℄ bears L 1°06'
sine 019197 x 100 = 1.92
Cosine 999816 x 100 = 99.98

@ 200' ℄ bears L 2°26'
sine 042457 x 200 = 8.49
Cosine 999098 x 200 = 199.82

@ 300 ft. ℄ bears L 6°40'
sine 116093 x 300 = 34.83
Cosine 993238 x 300 = 297.97

400N brush cut on E Fence line

Fence to fence 53.7

South

100
3.33
[illegible]

Spike in tree 00

Sta	Elevation	H.I.	+S	-S	rod reading
100	100	103.33	3.33		3.33
+20		99.2			4.15
40		98.4			5.00
60		97.5			5.90
80		96.5			6.85
100		95.6			7.75
20		94.8			8.55
40		94.3			9.10
60		93.9			9.50
80		93.6			9.75
200		93.4			9.95
20		93.5			9.90
40		93.6			9.75
60		93.8			9.60
80		94.0			9.35
300		94.4			9.00
20		94.7			8.65
40		95.1			8.30
60		95.4			8.00
80		95.7			7.70
400		95.9			7.50

333

14

Sta	Remarks	Elev
420	725-	96.1
40	700	96.4
60	685-	96.5
80	665	96.7
500	650	96.9
20	635	97.0
40	625-	97.1
60	605-	97.3
80	595-	97.4
600	600	97.4
20	590	97.5
40	590	97.5
60	590	97.5
80	590	97.5
700		

Traverse pile in ℄ site N extend
line S. to cross roads
take curve of road

@ 100 road curves E. 2°45'
" 200 " " E 7°18'
300 11°57'
400 14°45'
500 16°35'
580 17°50'

@ 160 S of [illegible]
angle of road [illegible] N W angle 113°30'

going Southerly

@ 100' ℄ bears L 2°45'
sine 047978 × 100 = 4.80
Cosine 998848 × 100 = 99.88

@ 200' ℄ bears L 7°18'
sine 127065 × 200 = 25.41
Cosine 991894 × 200 = 198.38

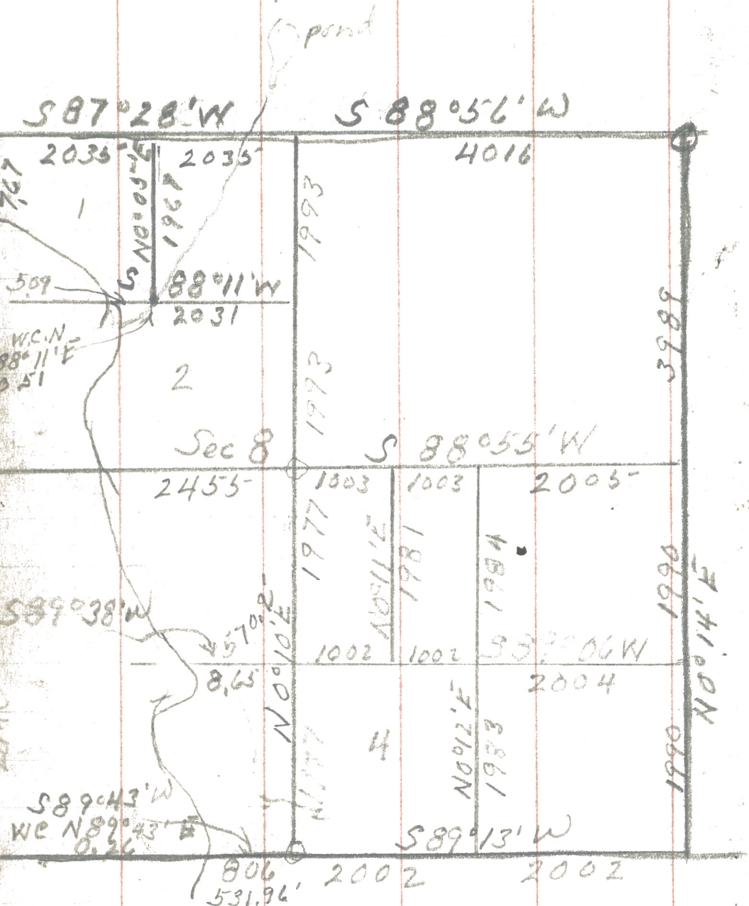
@ 300' ℄ bears L 11°57'
sine 207058 × 300 = 62.12
Cosine 978329 × 300 = 293.5

@ 400' ℄ bears L 14°45'
sine 254602 × 400 = 101.84
Cosine 967046 × 400 = 386.82

@ 500' ℄ bears L 16°35'
sine 285410 × 500 = 142.71
Cosine 958406 × 500 = 479.20

@ 580' ℄ bears L 17°50'
Sine 306249 177.62
Cosine 951951 552.13

Re-survey Sec 8 - 146 - 31



806
66
4836
4836
531.96

Copy of a [illegible] Cass Lake
Fed. For. Sta.
Apr 8 - 1958

51

3988

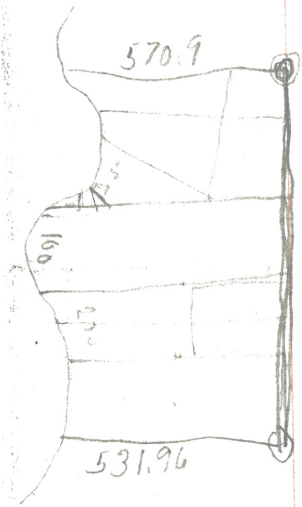
1990

1990

N0°14'E

806
66
4836
4836
531.96

33
865
66
5190
5190
570.90



1789

19

April 8 - 1958

Ed + T drive to Buckhorn Camp. Stop at Cass Lake Ranger Sta. copy Re-survey Plat as shown on page 18 this book. drive onto Buckhorn ⊼ over USIM Brass Cap. MC on South line Sec. 8. BS S 89° 43' W on 1/4 Cor. and run lake shore.

We can not see because of [illegible] back ⊼ E on top work it on line bet. IMs find wood hub nail in top on line 6 or 8 ft W of ⊼ as our line cuts 1/8 of inch N of nail. I will use this hub + Nail as line

⊼ back over IMMC site E on flag held on nail in hub + run BS N 89° 43' E

IMMC is on seawall 22 ft [illegible] to water

run N 2° 08' E 255. ft to [illegible] Sand beach

at 55	water	10 W	[illegible]	1	12
@ 105	"	3 "	"	" E	26
@ 155	"	00 "	"	" E	23
@ 215	"	00 "	"	" E	16
@ 255	"	5 "	"	" E	12

218
3
54

Trav. Sta 1 on beach BS S 2°08' W on IX run
N 16°15' W 189.65 Sta 2 [illegible] 53 W
@ 30 W. 5 W sand bank [illegible] 15 E
@ 95± [illegible]
@ 100 end [illegible] 12 W
@ 130 [illegible] 30 W
Trav. Sta 2 BS S 16°15' E run
N 22°17' W. 210 Sta 3
@ 100 [illegible] 70 W
@ 210 [illegible] 60' W

Trav. Sta 3 BS S 22°17' W on Sta 2
Take cabin
SE cor. N 41°50' E 66.40
SW cor. N 25°51' E 42.10
NW cor. tree in line

T[illegible] Sta 3 run
N 15°43' W 95 [illegible] Sta 4 [illegible] 50 [illegible]
@ 55 [illegible] 60 W

Trav. 4 BS S 15°43' E run
N 0°40' E 72.15 to Sta 5

80.3 [illegible] 37

Turn at Sta 6 BS S 0°40' W

Water 40' [illegible]

Take course to cor of house

SE cor N 71°45' E

SW cor N 59°32' E

NW cor N 57°56' E

run N 16°33' E 115.3 to Sta 6

Turn 6 - Water 18' W

no wall run S 36° W 60 [illegible]

60 + 30 - 90 Not at course [illegible]

T still at Sta 6 [illegible]

corners of house

SE cor S 40°35' E

SW cor S 41°36' E

NW cor S 62°52' E

run

N 50°26' E 107.1 to Sta 7 [illegible]

Turn 7 BS S 50°26' W

N 29°26' E 111.00 Sta 8 water 25 W

Turn 8 BS S 29° [illegible]

N 9°39' E 109.45 Sta 9

@ 50 Lake 25 W @ 109.45 water 35 W

447.2	478.7	297.2
31.5	181.4	150
478.7	660.1	447.2

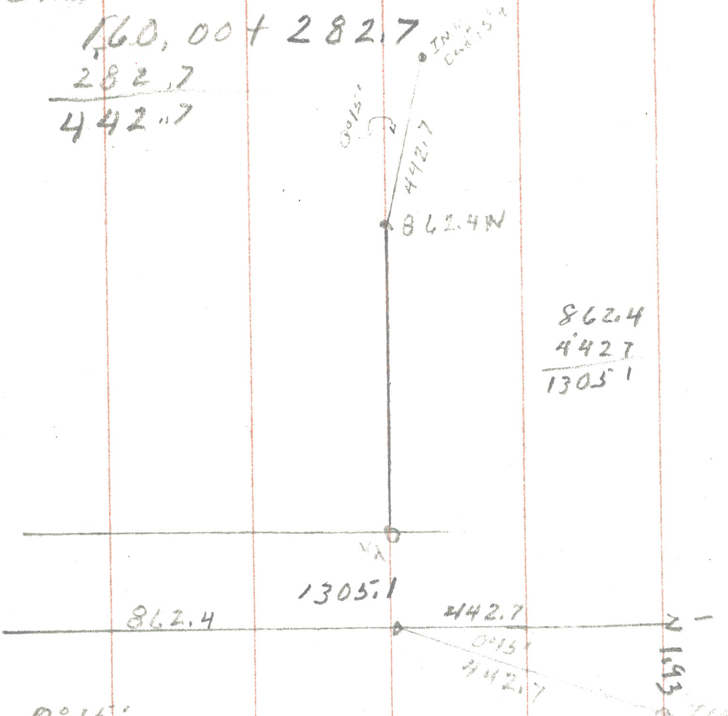
Traverse Lot 9 BSS 90°39'W from
N 32°00'W 1535.55 to I M US Base Cp
30 ft from water
@ 100 - water 28

Apr 9th 19[illegible]
Ed + Z Lv [illegible] 10 o'clock
[illegible] Lake [illegible] I [illegible]
check [illegible], which Mr. Beeson
gave me as [illegible]
[illegible] I [illegible] 400
for this work
Town ¼ Cor [illegible] site
S 89°43'W on [illegible] run
N 0°10'E along N + S ℄ Sec [illegible]
@ 117 ℄ road 50' N of road
@ 150 pin + 297.2 hub = 447.2
@ 150 + 160 = 310 road 33 [illegible] E
@ 137 + 230 = 360 " 48 [illegible] E
@ 447.2 road 78 ft E
447.2 + 31.5 = 478.7 hub, road 99 E
478.7 + 181.4 = 660.1 hub in ℄ [illegible] road
57 ft W of road
660.1 + 92.1 = 752.2 hub on top S of road
752.2 + 45 = 797 ℄ road
110.2
862.4 hub over road

Town hub 862.4 B.S on N+S ℄
run according to U.S. - Re-survey Plat
I.M. Corner S½ Sec 8 - set by U.S.
Eng bears R. of E 0°15'

160,00 + 282.7

 282.7
 442.7



862.4
442.7
1305.1

0°15'

Sine 004363 x 442.7 = 1.93

cosine 999990 x 442.7 = 442.7

Corrections

1305.1 into 1.93 = .0014788138

hub 862.4 N goes E 1.28 corrected
" 752.2 N " E 1.11
660.1 N " E 0.98
478.7 N " E 0.71

Work ⊼ on line bet I M 1/16 Center S 1/2
Sec. 8 and M.C. on S 1/16 line set hubs
⊼ over M.C. site E on S 1/16 line
See page 18 - N 89°38'E
set spike hub on line E over swamp
take [illegible] to same 210' ±
Take stadia of swamp use flag pole
in lot 4 - Sec 8 - 146-31
195' - S 89° 20 E
180 - S 74° 20' E
180 S 62° 40' E
190 S 43° 15' E
50 S 88° 30' E
set [illegible]
⊼ still @ MC Sta 9 page 22 this book
bears S 32° 38' E

⊼ over I M 1/16 Center S 1/2 Sec 8 site E
on S 1/16 line take SW angle of S 1/16 line +
N+S ℄ 89° 58' True lines

⊼ over hub on S 1/16 line in ℄ road
67.9 ft W of I M 1/16 Center S 1/2 Sec 8
site N 89° 38' E on I M run road
S 2° 54' E 170 - S 6° 14' W   235 stadia

24

7.8

April 20-1955
Ed- John + I to Buckhorn
Camp

⊼ over hub 752.2 site S 0°10' W
on random and ran N 7.8 to
760 N ⊼ over 760 Turn 90°
at 1.12 - E true line
⊼ at [illegible] of 760 N site S 0°10' W along
random and ran S 79°40' W
set hub Transit [illegible] [illegible] moves
corrected [illegible] 0.19 set first hub W
S, 0.19 of a foot. S line lot 4
intersect [illegible] line 14.9 [illegible] N [illegible] 3

⊼ over hub 862.4 on corrected line 5
E site N on I M chain S 2.4 set spike
for lot cor.
Chain N. 62 ft for lot cor spike

⊼ over 860 Lot cor site N 0°15' E
on I M + run S 79°40' W [illegible] lots
4 + 8 @ [illegible]. Cross road @ 200 hub
60? spike cor to lots 7+8 on N line
Lot 4

From corners of house chain 12 ft
S at each cor. Trans. over 12 ft
spike site thro' the other 12 ft spike
drive spike at intersection of
N line of street & S line of lot
set spike on stake line 2.7
S of sta. 6
Trans. at intersection hub S line lot
6 and N line Street sta. N 79°40'E
along street line S line of lot 6
runs N 36°52' W
Turn 90° run N 75 ft Trans. 75 turn
90 run to take stake line 37.7 S of
sta. 7
Trans. back on S line Street N line lot 4
set spike on stake line 18.85 N of
sta. 4

37.7
6 to 7 = 107.1 55.6
Trans. back on N line street 93.3
set spike at intersection of N line
of St. & N [illegible] 75 [illegible]
Lot 6 is 84 ft along street line
+150 + 119.4 + 200 to N & SE

28 48.7 Sta 8

April 22-1958
Johns I to Buckhorn Camp
Town Cor to lot 8 & Street
Chain N of N&S ℄ 60 ft [illegible]
[illegible] for cor to lots 8-9
To still [illegible] lot 8 & St. runs S [illegible]
at 6.3 ℄ road @ 200 [illegible]
Cor bet lots 7-8 - Street
[illegible] lot 7-8 [illegible] N [illegible]
[illegible] N 61° 30' W
55.35 S of [illegible] 8 - 55 [illegible]

N 9° 39' E

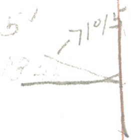
Sine .167629 X 45 = 7.54
Cosine .985850 X 45 = 44.36

Sta 8 is 510.10 W & 1067.59 N

510.10 W	1067.59
7.54 E	44.36
502.56 W	1111.95 N
4.10 E	940.00
506.66 W	171.95 N

3394937

506.66 / 171.950
= 18° 45' N 71° 30' W



8960
1845
7115

370	460	554	109	155
90	554	90	45	64
460	5154		[illegible]	219

18°45' sine 321439 x 535.06

cosine 946930 | 506.66

N 71° W

945519 x 535.06 = 505.91

325568 x 535.06 = 174.20

Trav. cor. [illegible] blks 8-9

[illegible] 71° L

[illegible] wall [illegible] 6.75 ft

[illegible] 43 ft N of blk 8

We chain [illegible] blks 8-9

176 [illegible]

[illegible] 240 [illegible] + 134.25 [illegible] 374.25

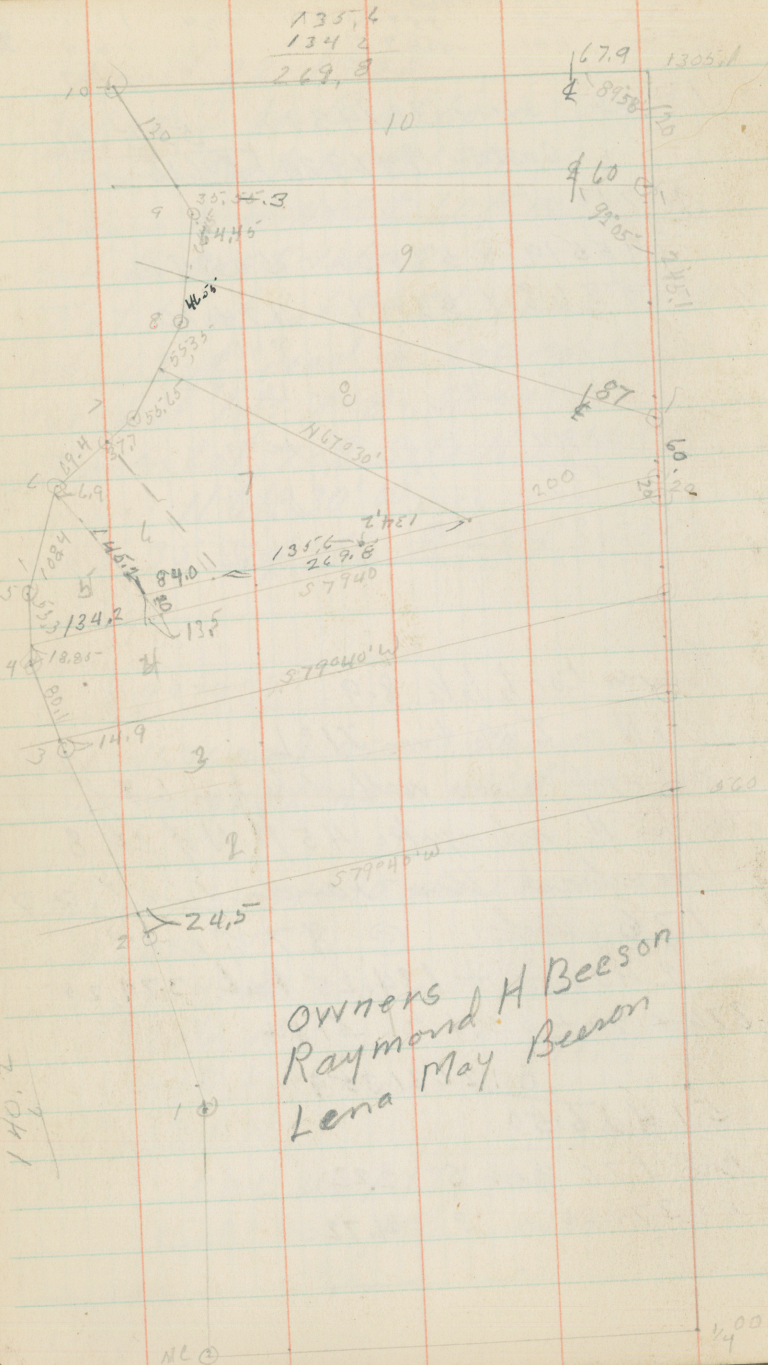
370 + 90 + 554 = 5154

.0124213559

5154 | 6150

[illegible] 176 [illegible] S 2.22

" 374.25 " S 4.72

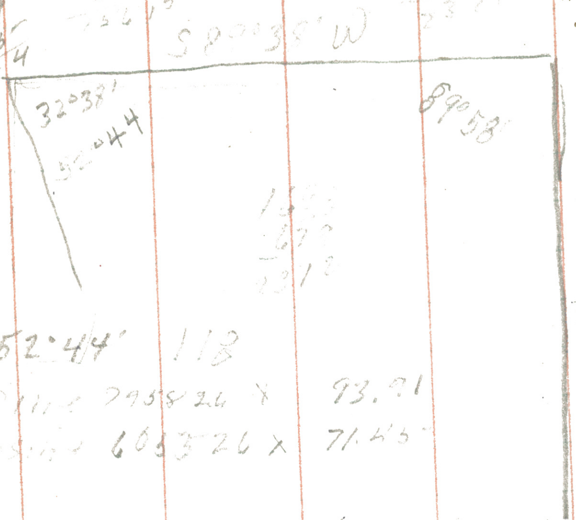


Owners
Raymond H Beeson
Lena May Beeson

32 47.5
60
237.9
107.5
345.4

67.9
88.25
156.15

67.9
170
237.9



52°44' 118
Sine 795826 x 93.91
Cosine 605526 x 71.45

89°58' 110'
Sine 10000 x
Cosine 000582 x .06

From MC Needeham E corn
sup 213 to hub

From spike E root 67.9 W chain
W, + 88.25 hub = 156.15
67.9 + 170.3 = 237.2 nail
237.2 nail + 157.5 = 344.7 hub +
213 over sup to cor 557.7

from 1/4 to MC Sect 510.6

1075	479
2379	170
3454	2379
213	1075
5584	3454
	213
	5584

Sunday Night Apr. 26-1958

Mail making Plat, and checking figs.

¼ S. mid Sec. 8 = 00

run S 89°43' W 510.6 to Mc

Sine 999988 x 510.6 = 510.59 W

Cosine 004945 x 510.6 = 2.52 S

N 2°08' E 255' to 2

Sine 037225 x 255' = 9.49 E = 5-01.10 W

Cosine 999307 x 255' = 254.82 N = 252.30 N

N 16°15' W 189.65' to 3

Sine 279829 x 189.65' = 53.07 W 5-54.17 W

Cosine 960050 x 189.65' = 182.07 N = 434.37 N

N 22°47' W 210' to 4

Sine 379187 x 210' = 79.63 W 633.80 W

Cosine 925320 x 210' = 194.32 N 628.49 N

N 45°43' W 95'

Sine 270882 x 95' = 25.73 W 659.53 W

Cosine 962613 x 95' = 91.45' N = 720.14 N

34

N 0°40' E 72.15

Sine .011635 X 72.15 = 0.84 E 658.69 W

Cosine .999932 X 72.15 = 72.15 N 792.29 N

N 16°33' E 115.3

Sine .284852 X 115.3 = 32.84 E 625.85 W

Cosine .958572 X 115.3 = 110.52 N 902.34 N

N 50°26' E 107.1

Sine .770884 X 107.1 = 82.56 E 543.29 W

Cosine .636976 X 107.1 = 68.22 970.56 N

N 29°26' E 111.0

Sine .491411 X 111.0 = 54.55 E = 488.74

Cosine .870928 X 111.0 = 96.67 N 1067.23 N

N 9°39' E 109.45

Sine .167629 X 109.45 = 18.35 = 470.39

Cosine .985850 X 109.45 = 107.90 N 1175.13 N

N 32°00' W 155.56

Sine .529919 X 155.56 = 82.43 W 532.82

Cosine .848048 X 155.56 = 131.91 N 1307.04 N

N 0°15' E 1305.1

Sine .004363 X 1305.1 = 5.69 E

Cosine .999990 X 1305.1 = 1305.09 N

N 13' N 55 7.7 =

Sine .003782 X 55 7.7 = 210

Cosine .999993 X 55 7.7 =

April 30 - 1958 arrive 10-15
pick up Billy get gas go to Court
house get title back drive to Beaver's
Buckhorn Resort. get lunch - 100
Town 4S IM S 1/2 cor N to S & Sec 8-
146-31. site south + chain 120 ft
set spike for cor to lots 9-10.
Town 120 site S on E Tum N 92°05'
and run

142-31 Sec. 9-

Robert M. Geving stopped me on the Street in Walker he has just come back from the West coast for a week, and as he has bought a part of Lot 2 Sec 9-142-31 he wants me to Survey it out and make a Sketch of it.

June 23rd 1959

I go to Register of Deeds Office and copy description in Book 120 of Deeds on page 561 which reads as follows

Norma Humphrey Breeling and Alphonso Breeling to Robert M Geving & Hope E Geving

Tract No 1. All that part of Gov't Lot 2 Sec. 9 Twp 142 R 31 Lying and being East of the G.N. R.R. R/W & US Hy No 371 including all that portion of said Lot 2 lying between said RR R/W and Hy. & Leech Lake Excepting there from the following described premises beg at an I.M. on the S. line of said lot 2. placed at a point 352.10 feet

E from the I.M. at the intersection of said S. line and the Easterly R/W line of the G.N.R.R. thence N 29°37' E 56.75 ft to a second I.M. on the sea wall of Leech Lake thence S. 60°23' E along said sea wall 100 feet to a 3rd I.M. on the S. line of said Lot 2. thence West along said S line 115 feet to the place of beg. and including all lands extending to the waters edge of Leech Lake.

All that portion of Lot 3 Sec 9 Twp 142 R 31 described as follows beg. at the intersection of the N line of said Lot 3 with the Easterly R/W line of the G.N.R.R. and running S. 38°21' E along the Easterly R/W line 127.6 to an IM which is 100 ft S of the N. line of said Lot 3 at an angle of 90° to said N line thence E. parallel to and 100 ft S from said N line a distance of 215.8 ft to a 3rd IM thence S 29°37' E 113.5 ft to a IM on N line Lot 3 thence West along said N line 352.1 to place of beg N line is E-W

June 24th 1959

I take Ed + Don to sec. 9-142-31 + show them what is to be done.

Ed + Don flag + chain both cut lines

Tower I Mat intersection of S line Lot 2 with R/W line RR. site S 38°21'E along R/W line to first I.M. Transite telescope and run N 38°21'W 322.6 + continue N 38°21'W 86.5' = 409.1 to pt for I.M. on Bank of Leech lake.

Tower 409.1 run S 58°01'E 259.0

Tower 259.0 run S 66°26'E 336.2

Tower 336.2 run N 88°41'E 106.35' To I.M. on seawall

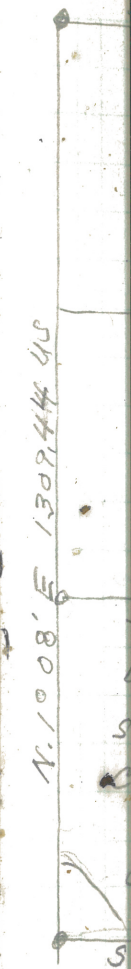
This I.M. on seawall sets N 60°23'W 100 ft from I.M. on seawall on S line Lot 2.

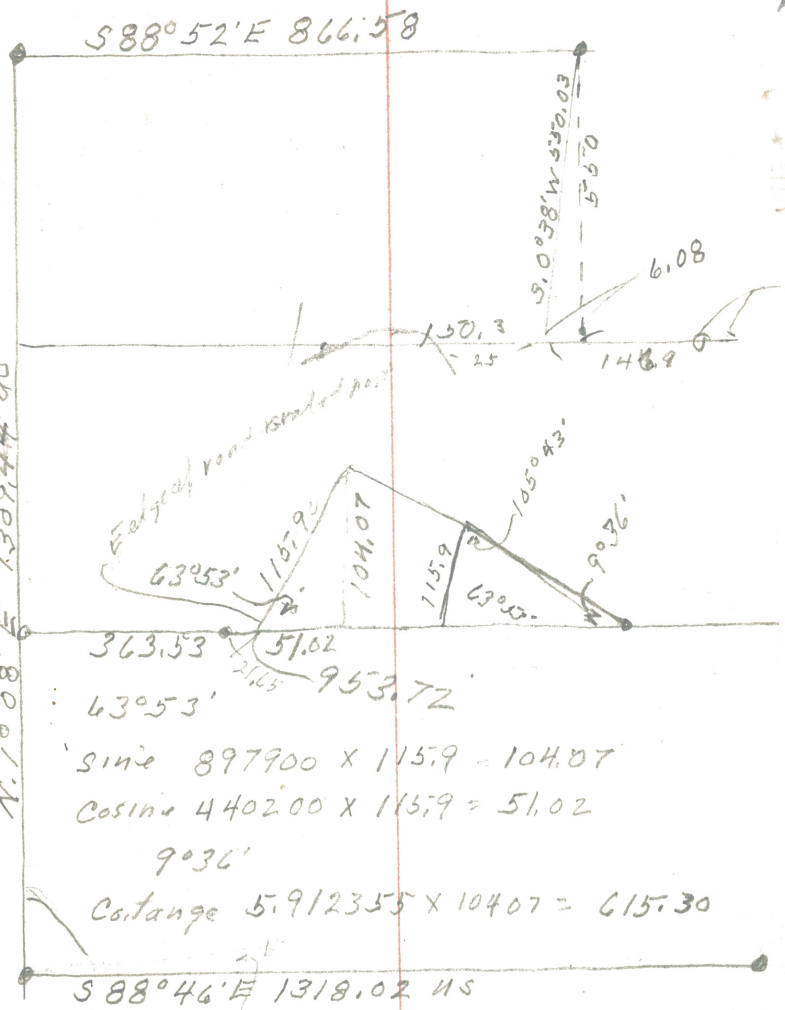
Lot 1 Section 1 T142-31

As I have been getting phone calls and letters from F.J. Kennedy of Kennedy & Clark Lawyers Emmet County State Bank Building Estherville Iowa They are selling a part of Lot 1 Sec. 1-142-31 which is in Hendrickson Estate I got a copy of the sketch of said Lot 1 Sec 1- from Buck Simpson for whom I surveyed the N 150 feet of said Lot 1 see book 276 M 94 also Lloyd Monroe in April 1955 July 9th 1959

Ed - John & I to Sec 1-142-31 Tower NE corner Gov't Lot 1 - Section 1-142-31 Site Won. IM and run S - 0° 38' W - South 550 ft

Sine 011054 X 550.03 = 6.08
Cosine 999939 into 550 = 550.03





63°53'

Sine 897900 X 115.9 = 104.07

Cosine 440200 X 115.9 = 51.02

9°36'

Cotange 5.912353 X 10407 = 615.30

S 88°46'E 1318.02 HS

1014

N1°08'E

Sine

Cosine

N43.9'

131802
95372
36430
77
36353

July 10 - 1957

Ed. John + I to Lot 1 Sec 1 - 142-31
we establish the N line of the S
439 feet of said Lot 1 and
run W to the W line of said
lot Triangulate over mtn
and set Hendrickson's SW cor
Tower said SW cor sits S 88°46' E
along Hendrickson S line parallel
to S line Lot 1 and run N 1°08' E
Tower Hendrickson N line run W
and intersect the two lines 2 Tr's
as yesterday we set over NE
cor lot 1 and run S 0°38' W 530.03
thru E + W parallel to N line
as we set a spike out by the road
ft W of our line S 0°38' W
Tower spike by road sits S 89°52' E
the W line of graded road runs
N in line with this last N 5°10' W
at about 100 ft N of T road curves
West

From NE cor of Hendrickson's tract
BS N 88°52'E turn S 18°58'E along
E edge of trees on summit 444.9 ft
50 from wall

July 12 - Sunday 1969
Ed - John & I to Lot 1 Sec 1 - 142-31
in chaining S from N line we
only chained 500 and we
should have chained 550
to day we chain S 0° 38' W
550.03 set hub
at 250 + 273 = 523 ℄ road
Now 550.03 BS N 0°38'E and
run E to pt on edge of trees on
shore line

Now IM on S line lot 1 - 23+
ft Wof US MC run
N 20° 30' W 468.68 - 439 N+S
sine 350207 X 468.68 = 164.14 W
cosine 936672 into 439 = 468.68
The S 439 ft check out
move Tr to spike on shore edge of
trees site N on spike 550.03 S 0°38' W
from MC N line
Vine at 00° - IM on edge of trees
439 ft N bears S E angle 71°24'0
387.80
E 71°24' S = S 18°36' E
Sine 318959 x 387.8 = 123.69
Cosine 947768 x 387.8 = 367.54

1320
439
550
989
fro
edge
hub S
+ 17
roa
fro

1320
439
550
989

1320
989
331

from hub under X 30' from Waters
edge chain N @ 125 ℄ road & 166.8
hub S 0°38' W 550.03 from MC NE Cor lot 1
& 172.5 IM on R/W. @ 204 ℄ main
road.

from IM on W line Lot 1 to IM 320.6

40

Car. Acc

Aug 10th 1959

As a few ago Robert Nolan
Attorney at Law from
1000 Alworth Building in
Duluth Minn calls me wants
a plat or Map of a curve in
road out of Cass lake-
George Raymond on Squaw Point
road had car

to day Aug 10th 1959
Ed & I drive to George Raymond
place on Squaw Point Road
he takes his car and goes to show
us where a happened he
does not know exact just where
but in curve it was
as the road comes straight East
for about 800 ft before starting
curve to the South. Road bed on top
is 20 ft wide we drive a pin in
center at B.C.

round curve

Tover BC set west on ℄ & run
chain along ℄ every 10 ft put + take readings to ditch of S side lands
to each + S 89°10'E, S 89°40'E, S, 88°18'E
S87°14'E S84°48'E S 82°58'E S, 80°48'E
S78°57'E S77°04'E S 74°58'E S72°45'E
S, 70°30'E S68°10'E

ran S 66°59'E 146.1 to AP

Tover AP BS N 66°59'W continue curve 146.1

N. 79°28'W S 31°35'W S. 3°24'E S. 12°52'E

S 15°44'E, S 17°26'E S. 17°29'E S 17°13'E

S 16°23'E S 15°28'E S 14°11'E S 13°08'E

S 11°55'E S 10°35'E S 9°27'E S 8°16'E

S 7°14'E S 6°25'E S 5°24'E - 172.5 ft

Tover 172.5 BS N 5°24'W road runs S 12°W

130 ft then turn S Ely in long [illegible] curve

at 70 ft N of ⊼ begin high ditch on South of

road. ditch and [illegible] all the way around

course on North side of road.

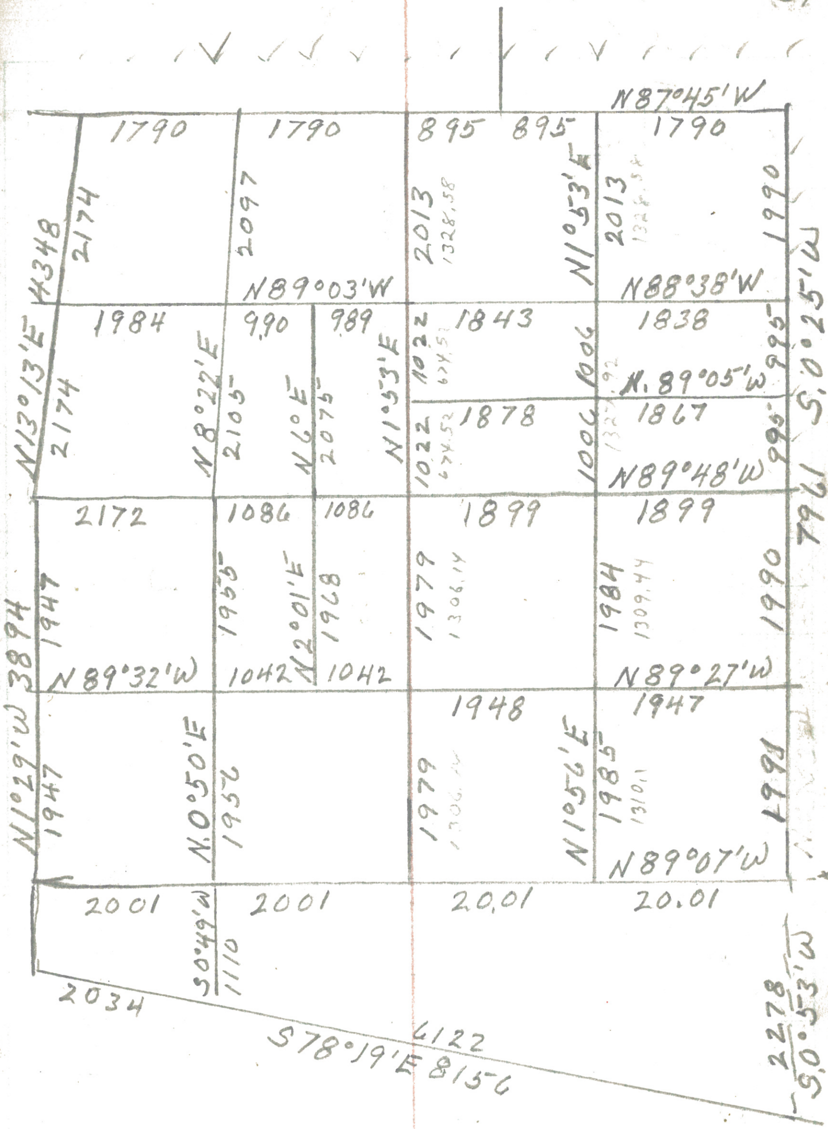
50 SW 1/4 & NE 1/4 Sec 12 - 141 - 31

Sept. 19th 1964

Merle Bennett sends word that he wants some surveying done. I go see him he shows me brass Cap Mon which is marked NE 1/16 Sec 12-141-31 We walk West along the North 1/16 line which Bennett has cut out to Brass Cap Mon. Marked 1/16 on N & S & sec 12.-141-31 as I am working on the State Road out of Akeley I have to pick my time to do Bennetts work and I have to get into the Reg. of Deeds office to get a copy of the US Re-survey.

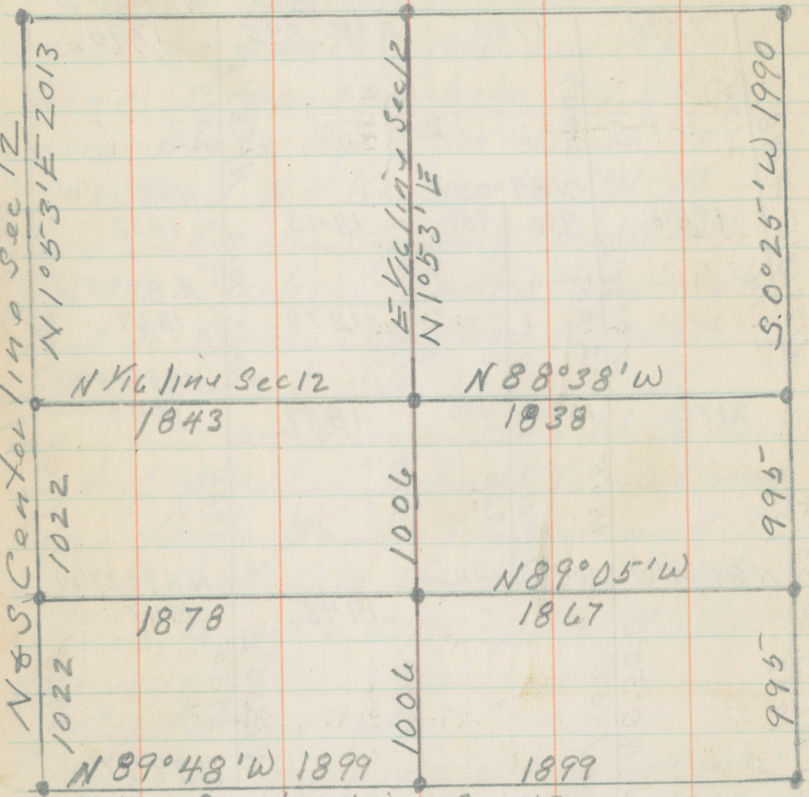
Sept 23-1964

As it is raining we do not work on the road. I take Jeri & Baby Bob to Park Rapids. I look up old survey records Jeri takes baby to Dr. drive back to Akeley pickup Goo-Goo and drive to Walker. where I copy - U S Re-survey Plat of Sec 12-141-31 on next page


N87°45'W
1790
1790
895
895
1790
4348
2174
2097
2013
1328.58
N1°53'E
2013
1990
N89°03'W
N88°38'W
S.0°25'W
1984
990
989
1022
1843
1006
1838
N13°13'E
2174
N8°22'E
2105
N6°E
2075
N1°53'E
N.89°05'W
995
1022
674.52
1878
1006
1867
N89°48'W
995
7961
2172
1086
1086
1899
1899
3894
1947
1955
N2°01'E
1968
1979
1306.14
1984
1309.44
1990
N89°32'W
1042
1042
N89°27'W
1948
1947
N1°29'W
1947
N.0°50'E
1956
1979
N1°56'E
1985
1310.1
1991
N89°07'W
2001
S0°49'W
1110
2001
20.01
20.01
2034
4122
S78°19'E 8156
2278
S.0°53'W

52 Wed Sept. 23-1964

NW¼ Sec 12-141-31



995 lks = 656.70 ft

1006 lks = 663.96 "

1022 lks = 674.52

1843 lks = 1216.38 ft.

1878 lks = 1239.48 "

1899 lks = 1253.34 "

from N 1/16 on ℄ sec 12-141-31
chain S 69.1 spike hub
@ 253.6 spike hub + 70 + 90 =
~~160 ... 413.6~~
~~413.6 pin - 4.9 408.7 spike hub~~

460
4.9
455.1

300
160
460 pin - 4.9 = 455.1 spike hub

674.52
460
214.52 to go

@ 674.52
22.2
652.32 spike in ℄ old road

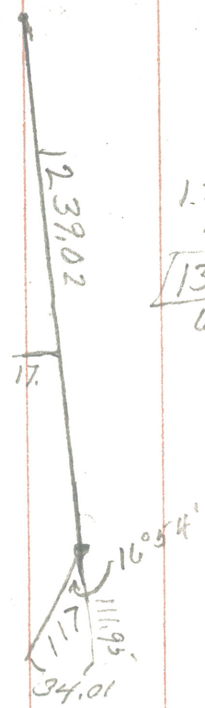
We can not find the U S I M at
674.52 S at 652.3 + 70 =
722.3 the old U.S. B T gone = 8" pine
sets West about 8 ft.

652.32+
300
952.32+
110
1062.32 pin
176.7
1239.02 hub

Found 1239.02 BSN
Var on 0° IM Center S½
sec. 12 bears
S 16°54' W 117

02 2954
691
22754
206586
138624 21
1.5951

Correction



1239.02
111.95
135097
675.48

16°54'

sine 29070 x 117 = 34.01
Cosine 95681 x 117 = 111.95

34.02 ÷ 135097 = .025174
hub 69.1 S goes W 1.74
" 253.65 " W 6.38
" 455.1 " W 11.46
" 652.32 spike S goes W 14.97

29070
117
203490
29070
29070
3401
17

95681
117
669767
95681
95681
11194

475.48
4523
23.18

.022953
135097 / 3101.00
270194
399060
270194
1288660
1215873
727870
675485
523850

270194

135097
405291
135097

135097
1215873
135097
810582
135097
675485
135097
540388

135097
22954
540388
675485
1215873
270194
270194
3101016538

56

N 150' OF GL 1
SEC 1 142-31

DOROTHEA ST. N.N. | STAR RT | WALKER | MINN

109-17
218-35

109-17-30

14[illegible]
2.36
[illegible]

176-34
353-7[illegible]

[illegible]
[illegible]
[illegible].80

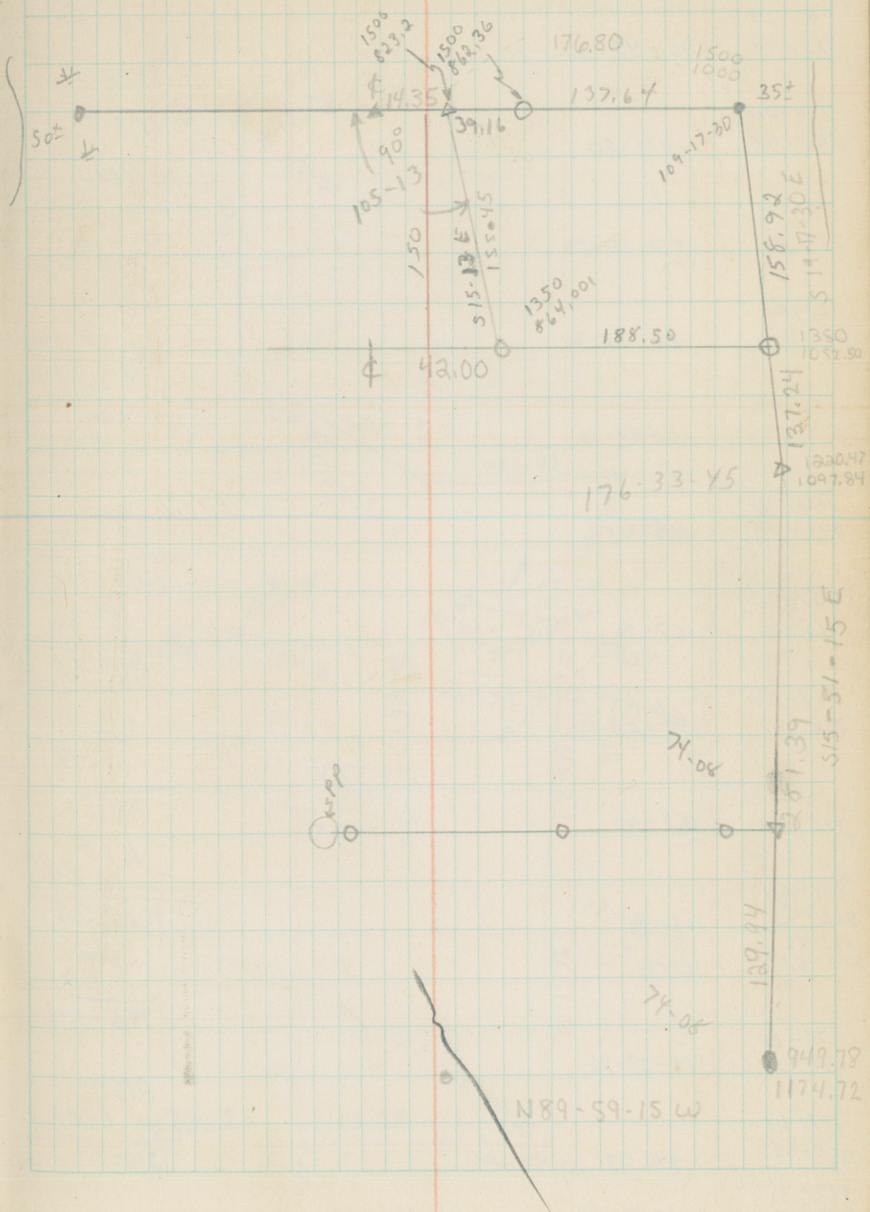
140
2.96
137.28

158.92
137.24
296.16

[illegible]
[illegible]
[illegible]

550
125
425

281.39
129.94
151.45
296.16
447.61


1500
823.2
1500
862.36
176.80
1500
1000
50±
14.35
137.64
35±
39.16
90°
105-13
109-17-30
150
S 15-13 E
155.45
156.92
S 14-17-30 E
1350
864.001
188.50
1350
1032.50
42.00
137.24
1220.47
1097.84
176-33-45
S 15-51-15 E
74-08
281.39
129.84
74-08
949.78
1174.72
N 89-59-15 W

ROBERT ALLEN

4-56-16

96-49
193-37 96-49-30

124-20
248-40 124-20

137-14
274-29 137-14-30

160-27
320-53 160-26-30

152-44
305-29 15244-30

146-45
293-90 146-45

157-30
315-00 157-30

158-24
316-47 158-23-30

167-40
335-20 167-40

~~101-54~~
203~~-2~~ 101-56
461-56
203-52 101-56

78-28
156-57 78-29-30

177-44
355-34 177-47
177-47
355-34 177-46-30

2153.37
496.09
662.37
4 | 2649.46

2153.37
1750.
403.37

330
- 3.79
327.21

470
- 6.57
463.43

730
957
720.43

350
- 8.05
341.95

360
- 3.42
356.58

400
- 5.64
394.36

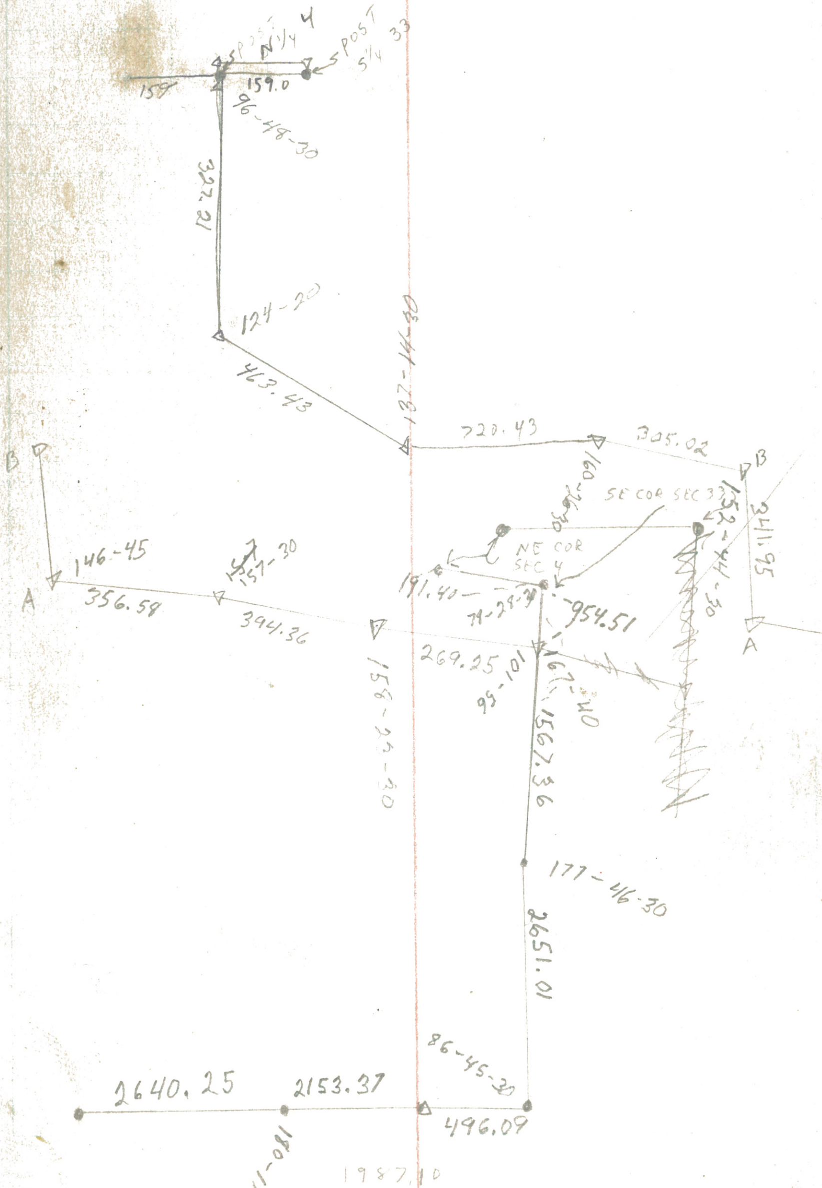
300
3.75
~~300~~ .25
296

960
- 5.49
954.51

1570
- 1.64
1567.36

500
- 3.91
496.09

2160
- 6.63
2153.37

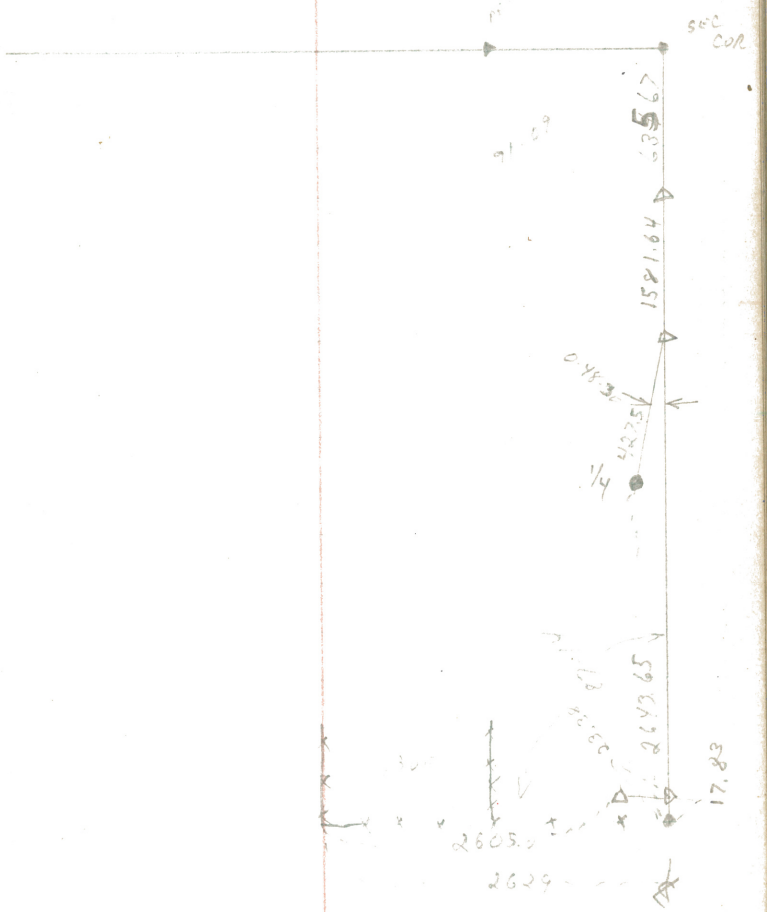


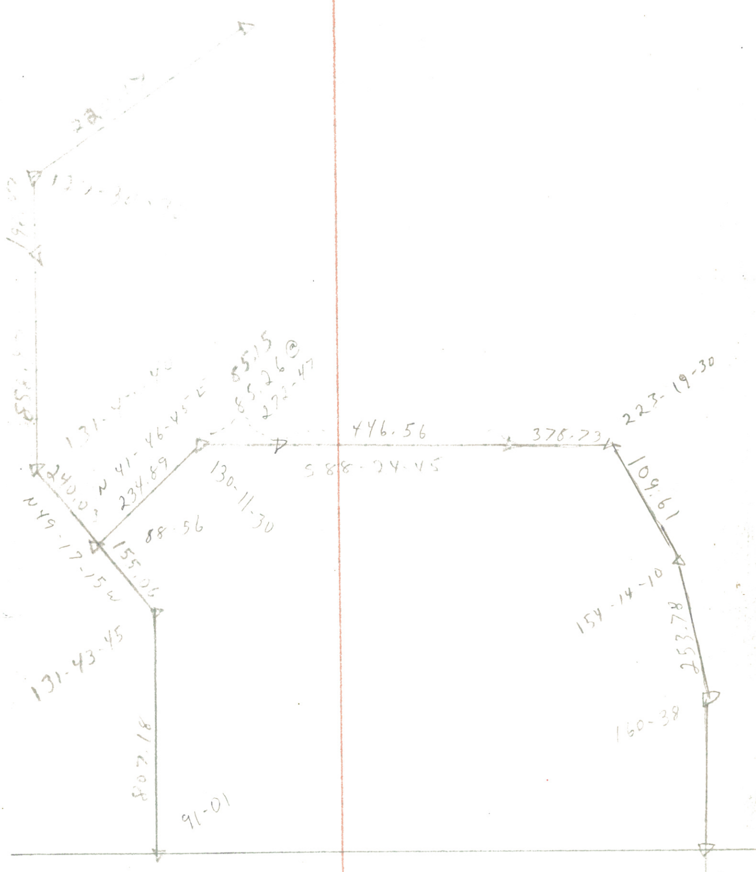
POST N 1/4 4
POST S 1/4 33
159
159.0
96-48-30
327.21
124-20
463.43
137-14-30
720.43
305.02
B
160-56-30
SE COR SEC 33
152-44-30
341.95
NE COR SEC 4
B
A
146-45
157-30
356.58
394.36
191.40
71-29-30
954.51
A
269.25
95-10
167-40
156-25-30
1567.36
177-46-30
2651.01
86-45-30
2640.25
2153.37
496.09
180-17-30

1987.10

96-45 173-31 180-18 360-35 0-48 1-37 91.04 182.14	86-45-30 180-17-30 0-48-30 91.04				427.5 633.67 1581.64 2644.81

427.5
635.67
644.81




131-43-45
N 49-17-15 W
240.03
N 41-46-45 E
234.89
85.15
85.26 @
272-47
130-11-30
88-56
155.06
446.56
S 88-24-45
378.73
223-19-30
109.61
154-14-10
253.78
160-38
807.18
91-01

187-52
15-47-40

187-52-20

174-24-30
346-49-20

174-24-40

92-37-50
185-15-20

92-37-40

150.00
.63

400
6.03
393.97

1440
0.57
1439.43

110
2.08
107.92

70
6.64
63.36

1491

149,19

108,55

174-24-40

1439.43

63.36

BOB ALLEN

T5S R 16

87-08
124.16

87-08

92-55
185.49

92-54-30

87-27
174.54

87-27

92-36
165.17

92-36

178-00
356-00

178-00

143-10
286-21 143-10-30
143-09
286-20

143-10

87-08-15
174-16

87-08

92-35-56

216-19

182.30
110.64
145.58
173.34
174.88
786.74
347
1133.74

20
1.14
18.86

310
8.70
301.20
141.14
160.06

653.81
301.20
352.61

180
1.29

240
2.54
237.46

190
2.70

130
2.70
6.70
3.27
666.73

190
7.70

182.30

180
5.12
174.88

1325.48
951.25
374.63

160
18.86
148.14

240
5.15
284.85
80
364.85

340
6.35
333.65
364.85
179.71
878.21

120
9.36
110.64

150
4.42
145.58

180.00
6.66

173.34
145.58
110.64
182.30
611.86
174.88
786.74
347
1133.74

490
8.71

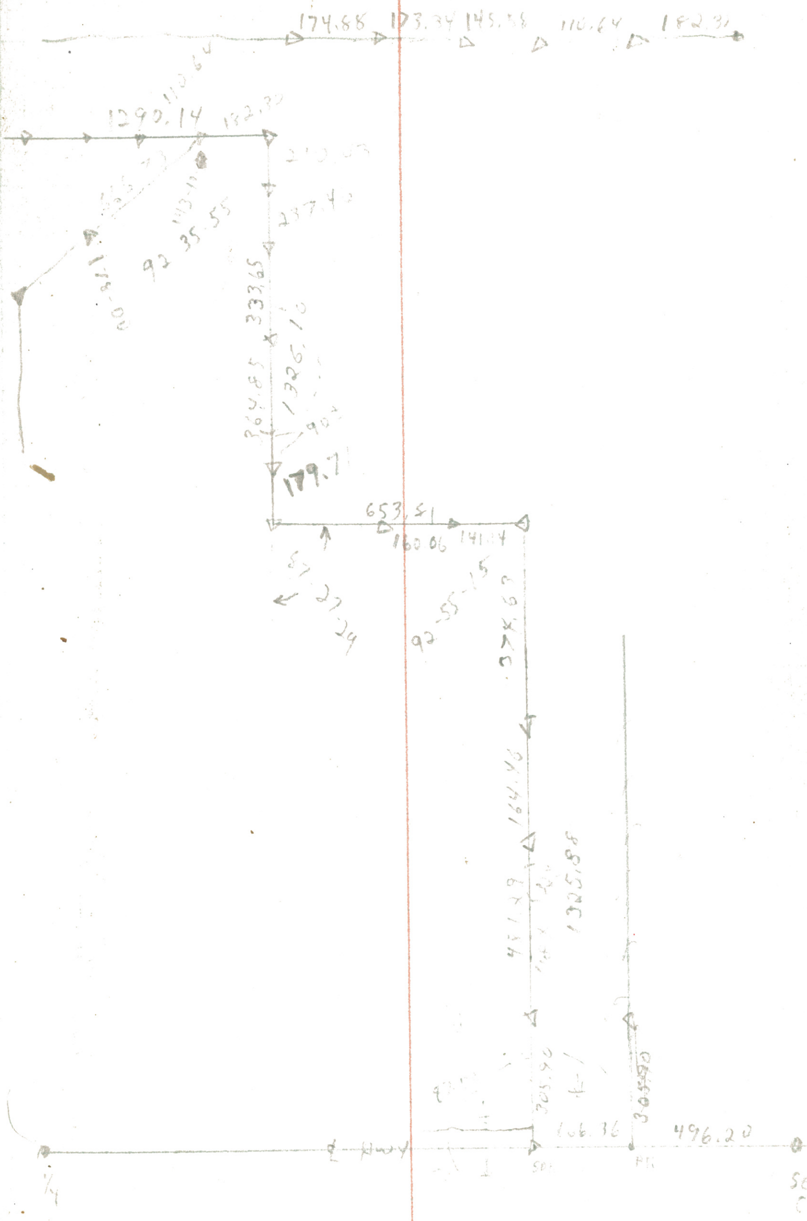
481.29
305.90

175.39
164.96
951.25
120
5.46
164.54

1326.1
878.21
447.89
237.46
210.43

347

1290.14
1133.74
156.40

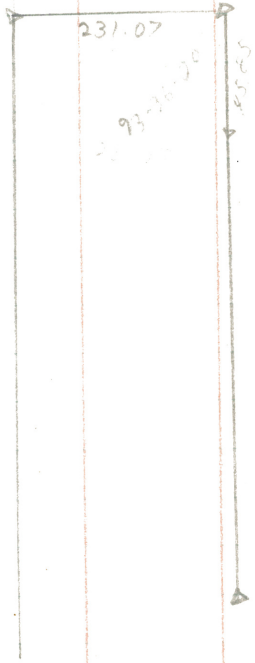

174.88
173.34
145.38
110.64
182.32
1290.14
182.32
237.40
333.65
364.85
1326.10
179.71
653.51
160.06
141.14
92 35 55
92-55-15
378.62
164.48
1325.88
303.90
106.36
496.20
HWY
1/4
SEC COR

pc

1	49.91	355-13-31		4-46-28	49.94
2	99.54	35[illegible]		9-32-56	99-54
3	148.44	3[illegible] 345-40-36		14-19-24	148.44
4	196.31	335-25-14 340-54-10		19-05-52	196.31

π @ [illegible]

5	49.91	156-07-[illegible]
6	99.54	~~[illegible]~~
7	148.44	~~[illegible]~~
8	196.31	~~[illegible]~~



6.
7.
8.

92-29-15

242-33
125-06-30
360

242-33-15

248.82

300.53

382.05

~~198~~

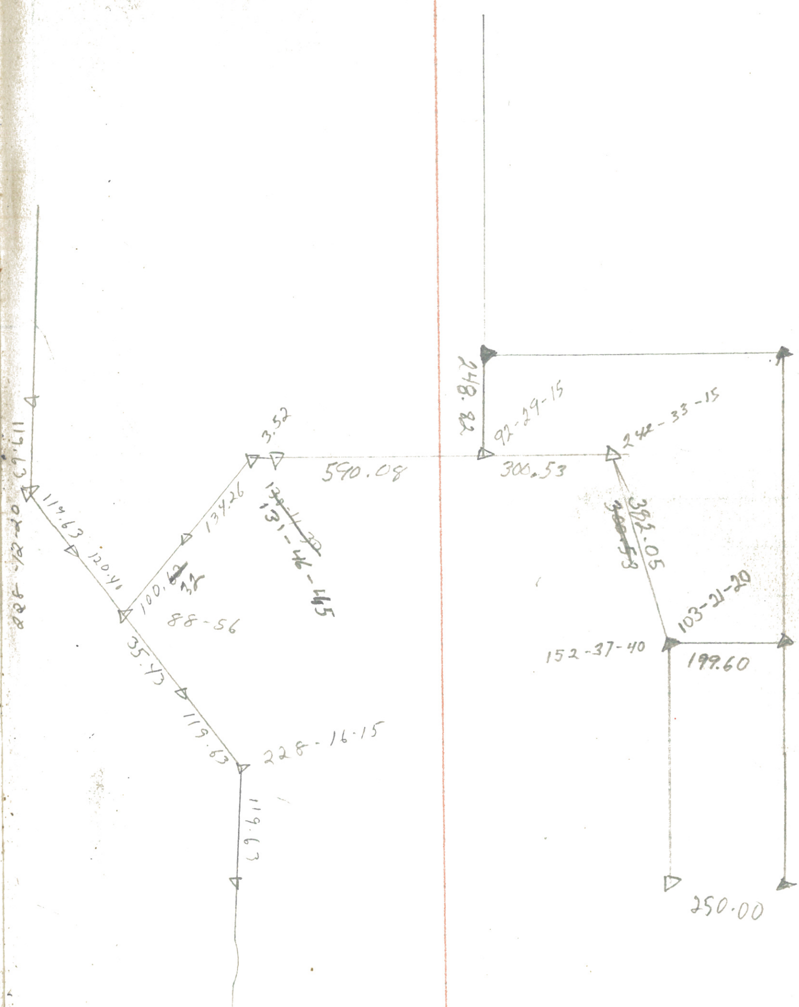
152-37-25
305-15-20

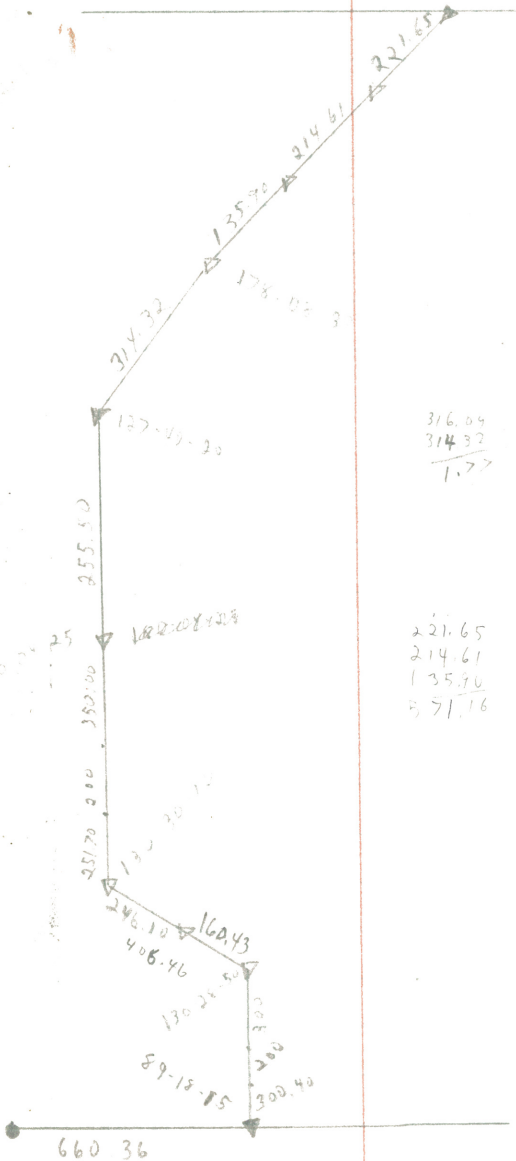
152-37-40

199.60

103-21-10.
206-42-40

103-21-20


119.63
228-16-15
119.63
120.41
100.32
88-56
134.26
3.52
590.08
300.53
248.82
92-29-15
242-33-15
382.05
103-21-20
152-37-40
199.60
250.00
35.43
119.63
228-16-15
119.63
131-46-45


221.65
214.61
135.70
314.32
660 36

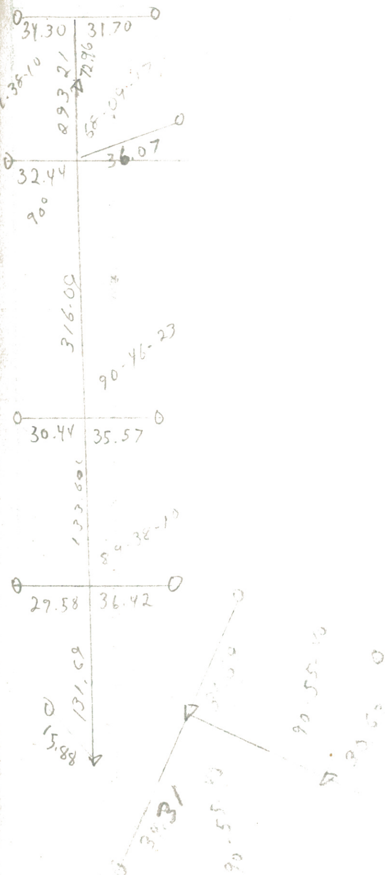
230
7.98
222.02

165
20

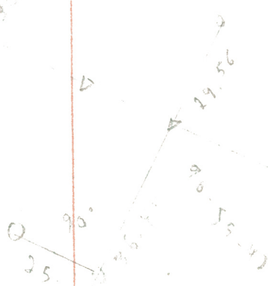
185
2.47

182.53
2.94

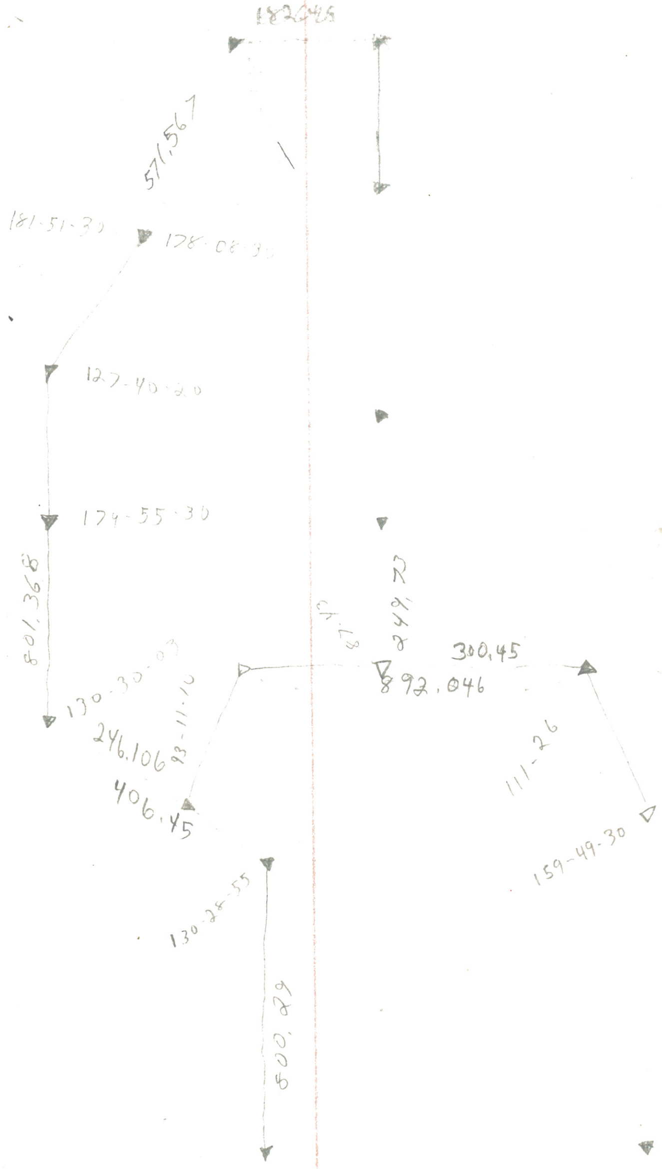
255.49



803.40
801.70
1.70



14[illegible]	143-20-15	182,35	265-53-50	[illegible] 8[illegible]
286-40-30				
143-19-50		571,567	271-50	571.86
286-40-40	143-20-0			
178-08				
356-17	178-08-30			
178-07-40				
356-17				
181-51-20	181-51-30	314,24	269-36-18	314.25
3[illegible]43				
263 43				
127-40-20	127-40-20	255,503	272-43	255.79
255-20-40				
179-55	178-55-30	801,368	270-46	80[illegible]
359-51				
130-30-10	130-30-03	406,45	269-59	406.45
261-00-05		246,106	268-48	246.16
130-29	130-28-55	800,294	266-22	800.62
260-57-50				
111-26		842,046	271-08	21 842.22
222-52		300.45	270-05	300.45
		385,357	269-03	385.41
87-43	87-43	249.73	268.36	249.81
175-26				
93-11-10		236,247	270-36	236.26
186-22-20				
133-03-50				
266-08-20	133-04-10			



571,567
181-51-30
127-40-20
174-55-30
801,368
246,106
406,45
300,45
892,046
111-26
159-49-30
130-28-55
500,29

159-49-10 319-39-20	159-49-40	718.898	70-45	718.96
157-48-50 319.38-50	159-49-25			
159-38-47- 319-39	159-49-30			
94-58-10 189-56-20	94-58-10	237.426	92-04	237.58
88-38-50 177-17-20	88-38-40		270- 269-55	1737.85 1078.77 249.86
103-43-45 207-27-30	103-43-45	539.07	260-	539.40

.96

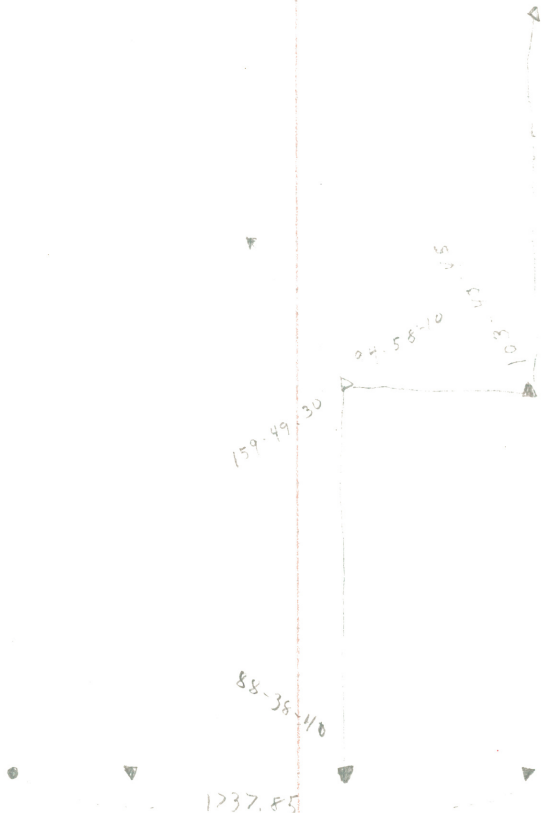
7.58

37.85

78.47

49.86

39.40



⊼ @ [illegible] BS P

(1) 357-35-20	768.[illegible]	92-06		768.374
(2) 2-30-[illegible]	768.14	92-07-30		767.612
(3) 356-[illegible]	554.19	92-45		553.552
(4) 354-55-30	339.73	93-15-30		339.678
(5) 348-02-[illegible]	141.78	[illegible]		140.937
(6) 15-00	143.22	95-17		143.109
(7) 115-3[illegible]	140.88	91-45		140.814
(8) 123-11-50	270.16	90-12-40		270.158
(9) 137-15-20	268.76	90-45		268.757
(10) 131-14-40	421.36	89-53		421.359

⊼ @ E, BS C

93-42-40 | [illegible] | 246.[illegible] | 246.09

D 187-25-00 | 93-42-33 | [illegible] | 242.472

⊼ @ D BS E

133-[illegible]

G 266-36-50 | [illegible]-35 | D BS E

⊼ @ E BS D

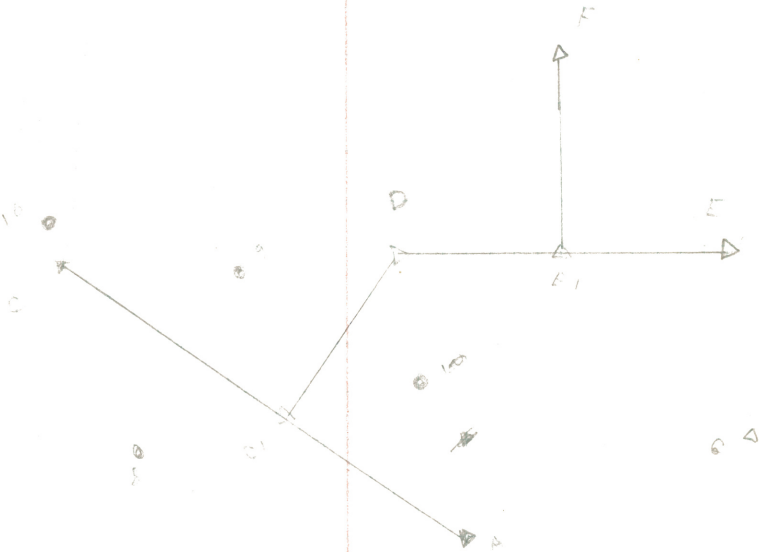
[illegible] | 89-[illegible] | 583.[illegible] | 583.972

E | 91-57 | 311.54 | 311.36

⊼ @ E BS F

91-51-30 | 265-31-30 | 76.095 / 249.64 | 249.557

E 183-42-55 | [illegible]-37



246.09

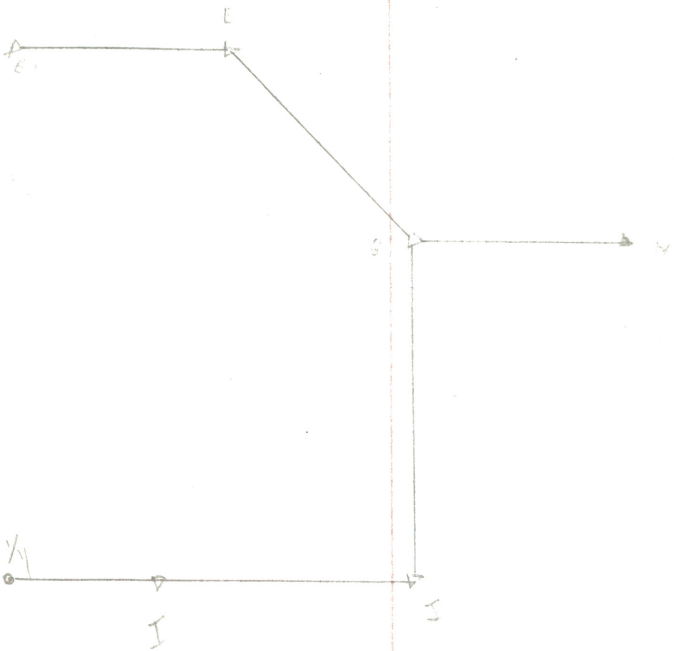
242.472

583,972

311.36

249,557

		⊼ @ E BS	E1			
	250-30					
G	141-00	250-30				
	300 / 501	⊼ @ G BS	E			
					347.02	
	88-50-40			90-42-50	121.019	396.989
					24.391	
H	177-40	88-50		92-03-15	244.07	243.913
	⊼ @	J BS	I			
					327.629	
	88-50-06			90-05	1074.89	1074.89
					701.23	
G	177-40-03	88-50-02		89-25-30	213.739	701.194
	⊼ @	G BS	J			
	161-51-40					
E	323-43	161-51-30				


E
S
I

Borchert

T@ 2 BS 3
91-09-56
182-19-44 91-09-52

T@ 3 BS 2
91-51-48
183-43-40 91-51-50

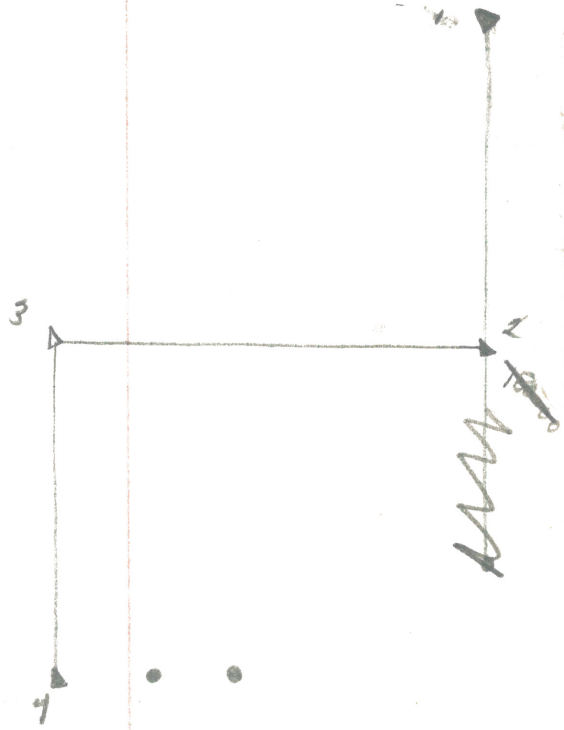
T@ 4 BS 3
87-55-70
175-50-42 87-55-21

3 1022.25
92-08-54 311.584
1. 804.43
90-18-44 245.197

4. 979.83
89-26-44 298.652

Paul, Ken

85



Gary Johnson

T @ 2 BS 1

82-20-30

164-40-58 82-20-29

T @ 3 BS 2

2

130-09-36

4

260-19-00 130-09-30

88-56-18 213.81 65.164 512.37

95-51-12 156.169

Paul
Ken

2

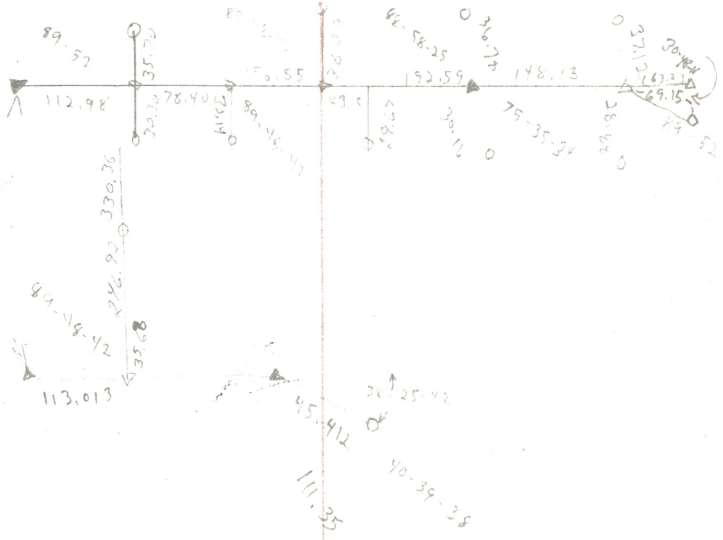
ALLEN

66.00
37.12
28.88

Ed
Paul
Ken

9-19-79

89



88-15-40
176-31-12 88-15-36 90-34-34 622.08 189.629 622.048

91-43-54 91-43-48
183-27-36

89-36-02 622.03 622.006

91-00-22
182-00-30 91-00-15 88-49-40 621.78 621.65

π @ A BS D

136.918
0-24-54 87-11-43 449.20 448.662
176.07
B 0-49-42 0-24-51 87-23-02 580.40 574.795

π @ A BS B

92-16-06
① 184-32-14 92-16-07

245-50-30 245-50-42
131-41-24
360
491

π @ A

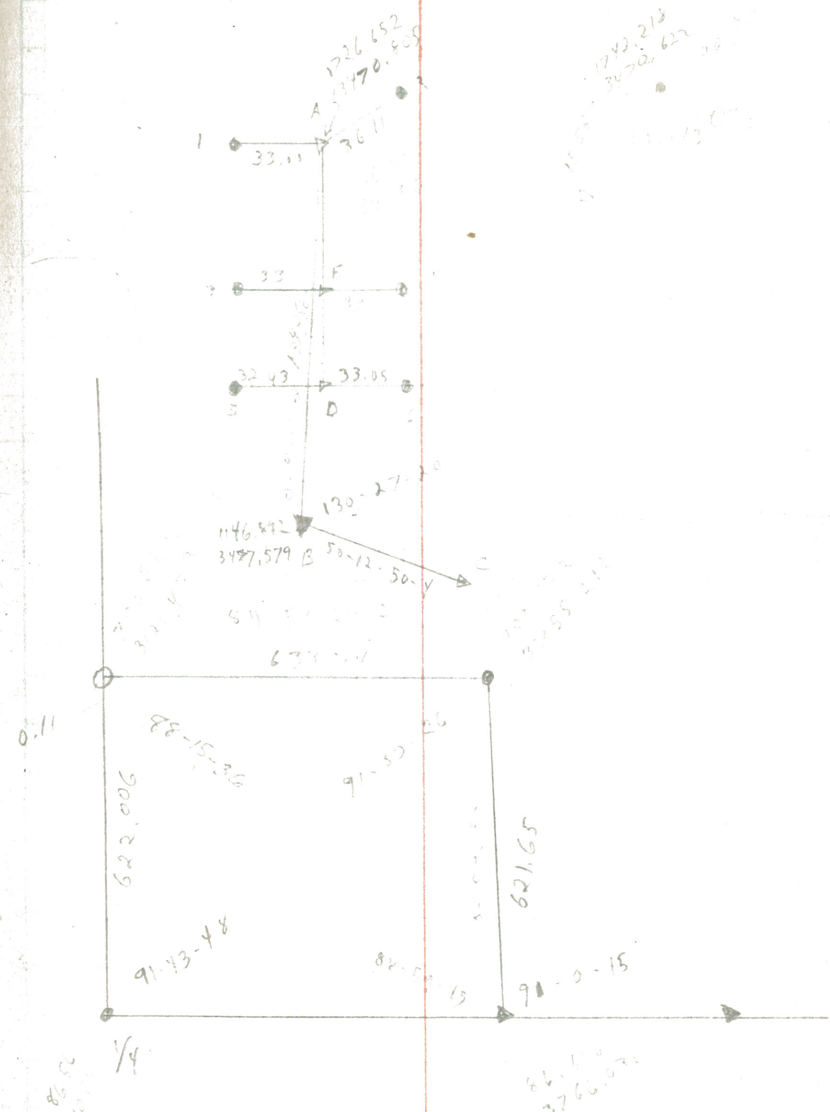
314.72
E 87-23-36 95.928 314.394

π @ D BS A

89-02-56
L 178-05-48
I
271-00-12
S 182-00-38

π @ E BS A π @ B BS A

91-30-10 130-27-34 130-27-20
4 183-0-40
270-46-54 C 260-54-40
3 90-47-40


1726.652
3470.808
A
1
33.11
33
F
32.43
33.05
D
130-27-20
1146.842
3487.579
B
50-12-50
C
88-15-36
91-50-26
622.006
621.65
91-43-48
91-0-15
1/4

327.95

97-47

331.00

329.81
327.95
1.86

67-24-48

580.45
176.918

251.18
89-33-40 76.563

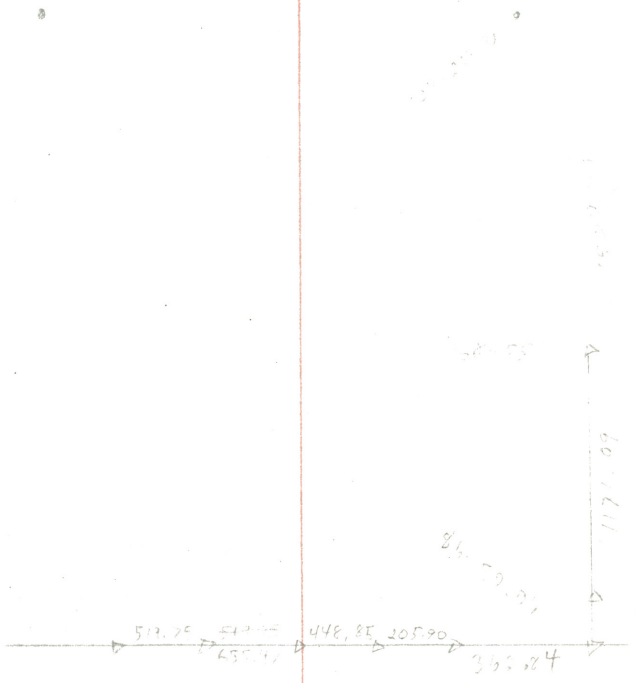
442.52
217.74
224.78
42.52

251.18
33.44
217.74

~~262.17~~
227.04

224.574

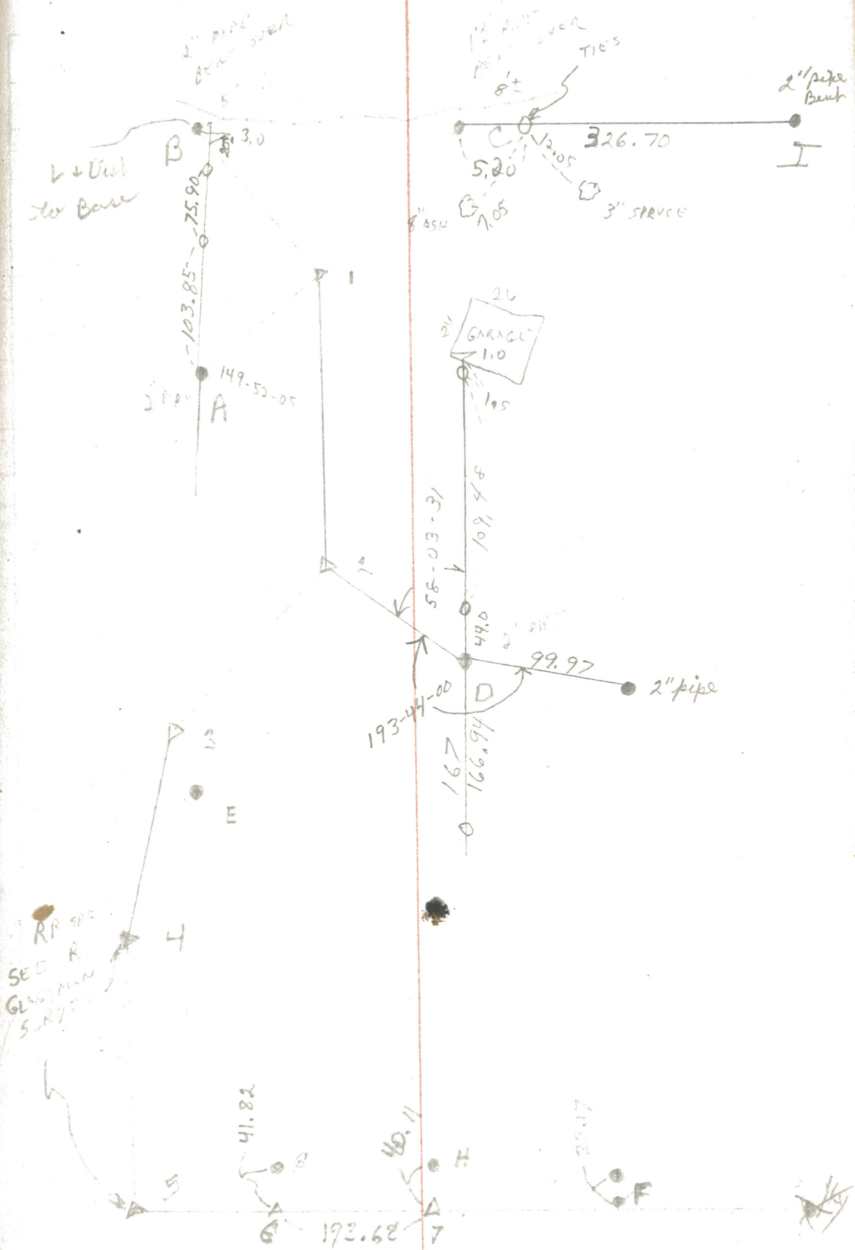
ALLEN


448.85
205.90
13.13
395.84

		⊼ @ A	KAZMERIK
	24-54 296-~~30-36~~		
1	232-49-30	296-24-45	
	360 60 593 105		
	309-42-42		
2	259-24-52	309-42-55	
	310 81		
	336-13-06		
3	312-25-48	336-12-59	
	337-34-06		
4	315-08-06	337-34-03	

DAN MULLENDORE

		T @ 1 BS 2			
	37-24-36		87-15-50	226.12	225,862
A	74-44-04	37-24-32	89-49-28	130.32	130,319
	147-58-42				
B	295-56-58	147-58-29	89-39-46	106.29	106,284
	273-49-54				
C	547-38-54 (360 187)	273-49-27	89-25-02	117.00	116.994
		T @ 2 BS 1			
	214-08-42				
D	428-17-28	214-08-44	269-51-58	328.22	328,219
	129-13-02				
E.	258-26-12	129-13-06	90-25-56	109.76	109,757
		T @ 3 BS 2			
	178-43-54				
H.	357-27-48	178-43-54	89-46-32	270.50	270,499
	148-53-08				
E.	297-46-14	148-53-07	chained	27.79	
		T @ 5 BS 4			
	87-01-36				
F.	174-03-06	87-01-33	91-05-36	1249.82	1249.593
6.	~~158-00~~	on line between	5+F	80.88	chained
7.		" "	" "		
		T @ 4 BS 3			
	146-04-00				
5.	292-08-00	146-04-00			


2" pipe bent over
1½" pipe bent over
TIES
8'±
2" pipe Bent
B
3.0
C
326.70
I
5.20
2.05
3" SPRUCE
8" ASH
1.05
L + Dist to Base
75.90
103.85
1
26
2'
GARAGE
1.0
149-52-05
A
1.5
109.48
56-03-31
2
44.0
99.97
2" pipe
D
193-44-00
167
166.94
3
E
4
RR spk
SEE R GLASSMAN SURVEY
41.82
40.11
H
G
F
5
6
193.62
7

1 @ 6 BS F

274-46-44

G. 360 - 349 33-42 274-46-51 chained 41.82

1 @ 7 BS F

270-32-46

H. 360 - 341-05-02 270-32-31 chained 40.11

1 @ C BS 1

200-50-28

I. 401 - 40-46 200-50-23 chained 326.70

LLOYD & GROVES

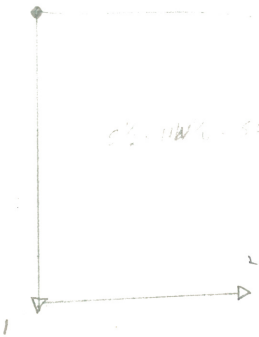
TIE 1 BS USGLO BC

91-31-00 90 17-36 719.97

2. 183-01-56 91-30-58 88-38-48 568.03

USGLO
DC

CENT.
SEC

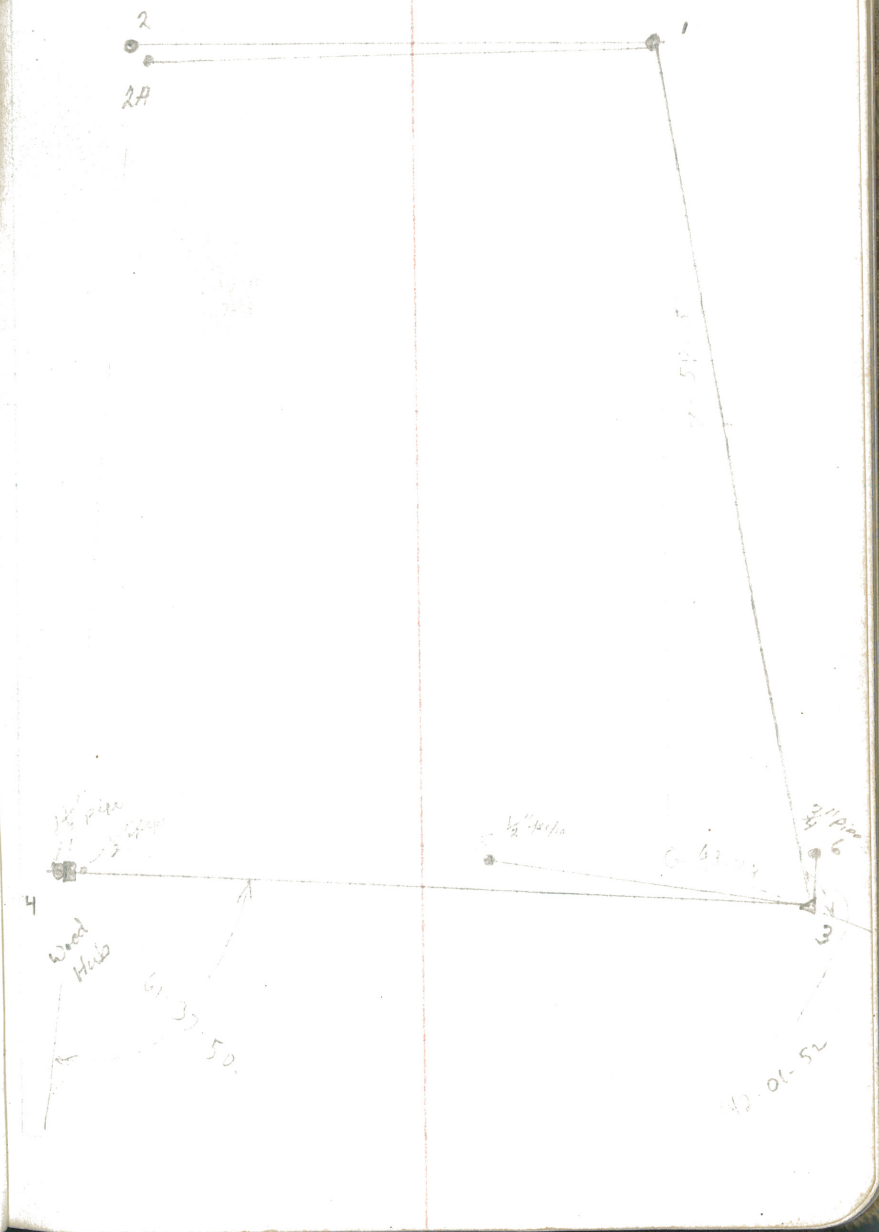


June Bryngleson

Ed + Paul Sept 11, 1981 65° clear

T@ 1	BS 3				
	116-20-50				
2.	232-41-24	116-20-42	chained	99.46	
	115-28-0R				
2A.	230-55-45	115-27-53	chained	97.81	
T@ 3	BS 4				
	53-37-58		89-18-24	159.42	159.409
1.	107-15-48	53-37-54	91-06-50	329.62	329.558
	4-15-48				
5.	8-31-24	4-15-43	271-44-02	110.56	110.509
	65-06-52				
6.	130-13-56	65-06-58	chained	29.0	

Ten Mile



Eilbert + Erickson

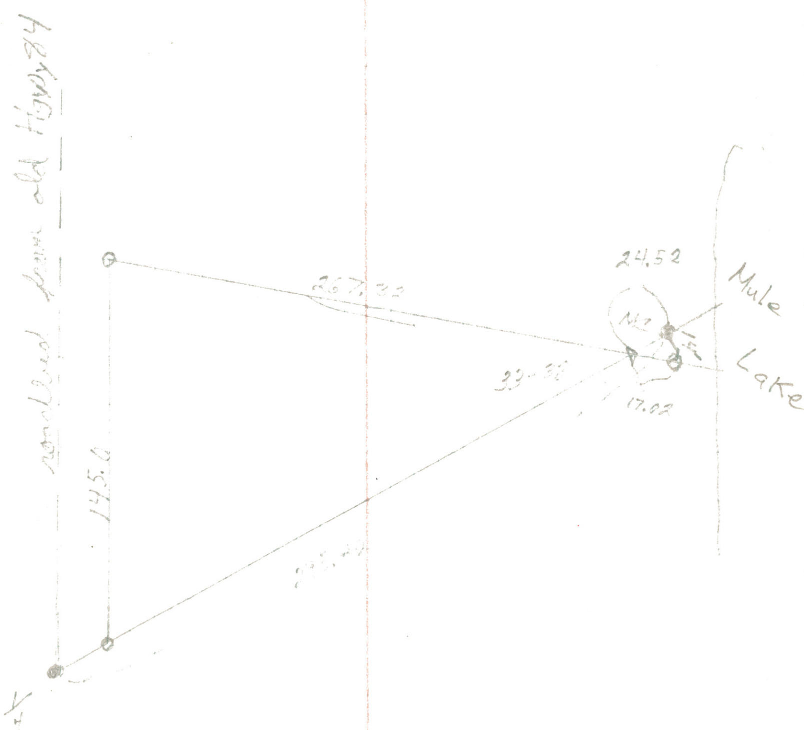
Joseph Sheq

Sept 11, 1981 75° clear

2

85-27-18 296.23

15-55-42


worked from old Hgwy 84
145.0
267.32
24.52
Mule
Lake
17.02

US FOREST E¼ SEC 1 141-30

ORIG BTS 12" PINE N 11¼ E 72.6
6" OAK S 60½ W 44.22

5" WO S 82-03 W 56.73
12" RO N 1-12 W 30.0
12" WO N 74-11 E 57.75
OLD PIPE N 12-20 E 72.6 OLD RUSTY TAP
FIND STK HOLE FOR OAK S 60½ W 44.2
℄ Rd 83.2 N 76-11 E
SIGN 2.40 SOUTH E¼
S1 S6

PAT McKENZIE

QL 2 SEC 3 T55 R17
GL 5 SEC 34 T56 R17

T@ 1 BS 2

R.O.W. 91-07-74

T@ 3 BS 2

89-08-51

④ 178-18-02 89-09-01

T@ 4 BS 3

174-53

90-09 157.42 157.42

⑤ 349.45-80 174-52.48 89-32 186.09 186.084

T@ 5 BS 4

147-28

⑥ 294-55-30 147-27-45

T@ 6 BS 5

193-48-04

90-10-40 320.58 320.578

⑦ 387-36-06 193-48-03 89-28-26 326.95 326.936

T@ 7 BS 6

185-24-54

⑧ 370-49-32 185-24-46

T@ 8 BS 7

213-14-40

90-20-12 315.71 315.692

⑨ 86-24-58 213-14-29 [illegible] 175.20 175.176

T@ 9 BS 8

151-16-36

⑩ 302-32-58 151-16-29

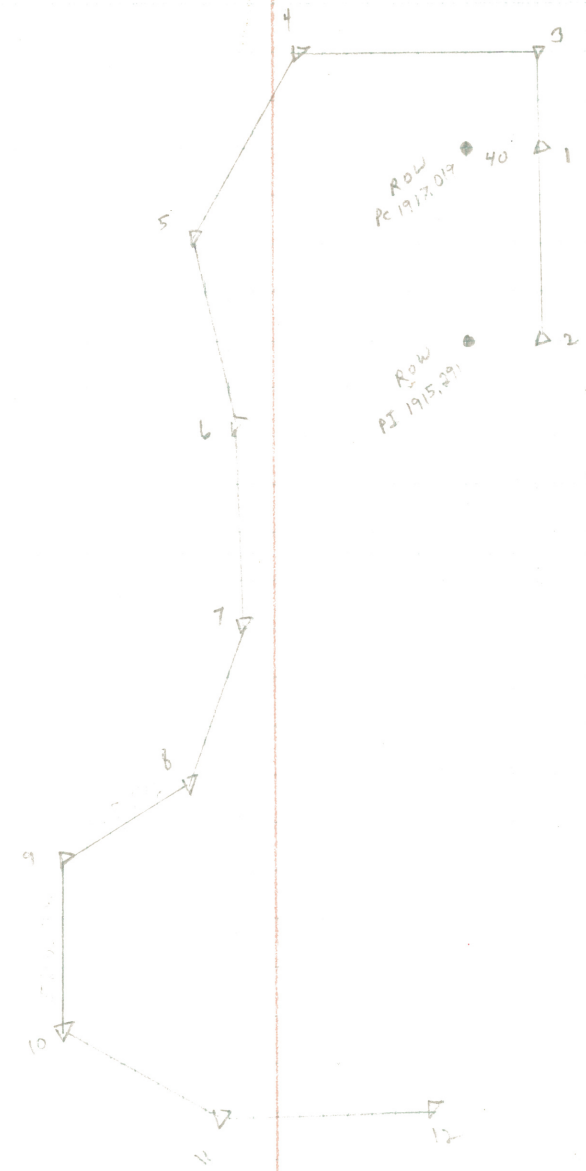
T@ 10 BS 9

152-25-20

91-24-48 520.55 520.392

89-45-38 215.33 215.328

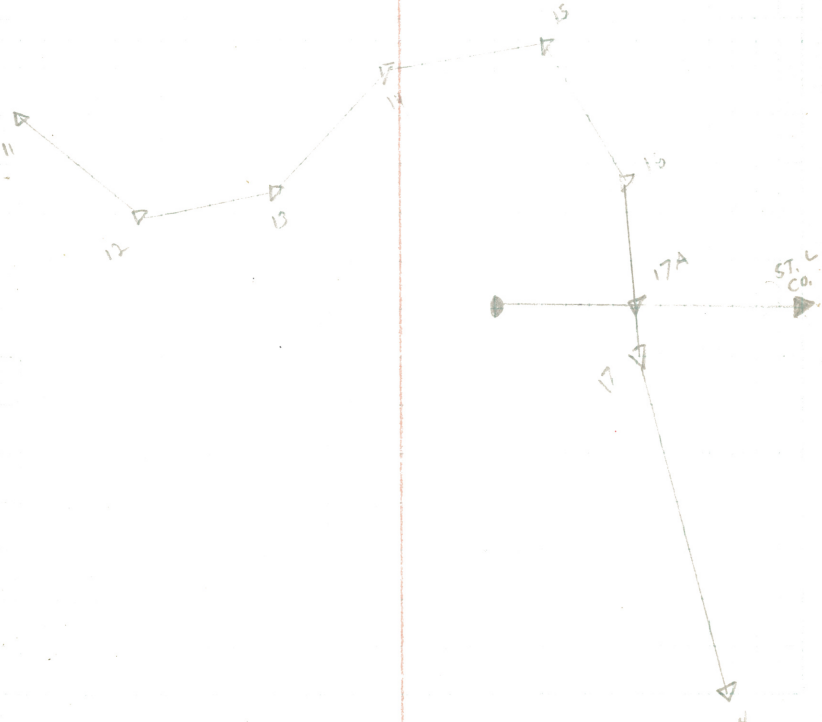
⑪ 304-50-30 152-25-15


4
3
ROW
PC 1917.017
40'
1
5
ROW
PJ 1915.291
2
6
7
8
9
10
11
12

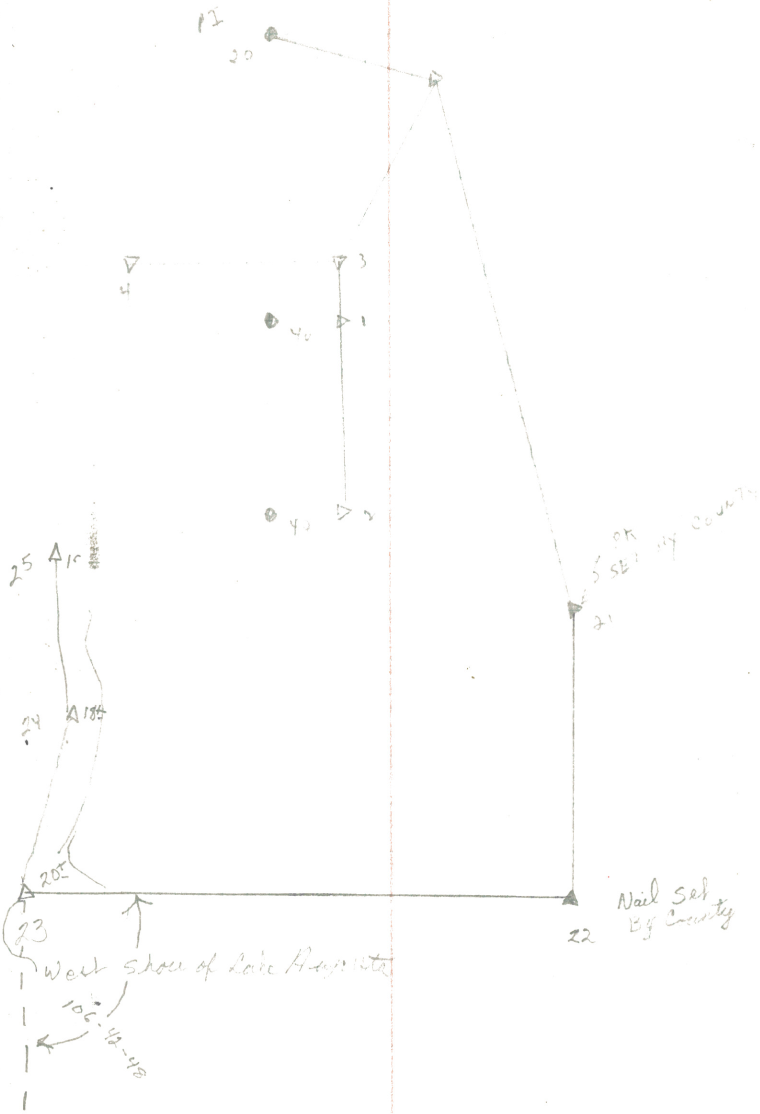
	⊼ @ 11 BS 10				
	124-10-36				
(12)	248-21-06	124-10-33			
	⊼ @ 12 BS 11				
	165-01		88-45-12	196.44	196.394
(13)	330-01-44	165-00-52	92-21-42	150.54	150.412
	⊼ @ 13 BS 12				
	141-53-38				
(14)	283-46-54	141-53-27			
	⊼ @ 14 BS 13				
	231-03-06		90-40-12	225.52	225.504
(15)	462-06-12	231-03-06	90-23-24	209.06	209.055
	⊼ @ 15 BS 14				
	246-36-12				
(16)	493-12-24	246-36-12			
	⊼ @ 16 BS 15				
	141-32-10		90-47-18	499.99	499.95.
(17)	283-04	141-32	90-48-18	400.14	400.101
	⊼ @ 17 BS 16				
	169-52-16				
(18)	339-44-20	169-52-10	84-44-44	823.81	823.802
			78-09-46	84.78	83.921

17A

TOTAL L = 4722.825

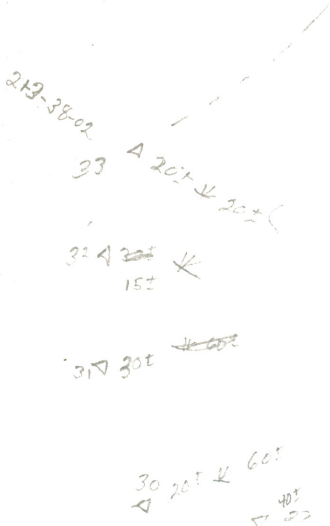

11
12
13
14
15
16
17
17A
18
ST. L
CO.

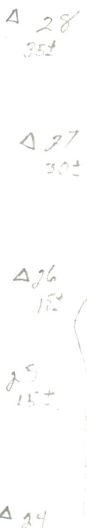
	T @ 3 BS 4				
	109-07-54				
(19)	218-15-52	109-07-56			
	T @ 19 BS 21				
	22-45-42		90-14-—	2690.38	2690.358
(3)	45-31-18	22-45-34	91-51-04	461.49	461.249
(20)	104-19-31		98-12-04	132.97	131.61
	208-38-48	104-19-24			
	T @ 21 BS 22				
	179-54-26		90-12-04	736.90	736.896
	359-48-38	179-54-19			
	T @ 22 BS 23				
	85-32-44		90-08-20	2126.43	2196.425
	171-05-12	85-32-36			
	T @ 23 BS 22				
	311-42-20				
	623-24-48	311-42-24			
	T @ 24 BS 23				
	161-42-54		90-48-06	252.05	252.025
(25)	323-25-30	161-42-45	90-28-34	232.20	232.192



12
20
4
3
40
1
40
2
OK
SET BY COUNTY
21
25
24
18
20±
23
West Shore of Lake Augusta
106-42-48
22
Nail Set
By County

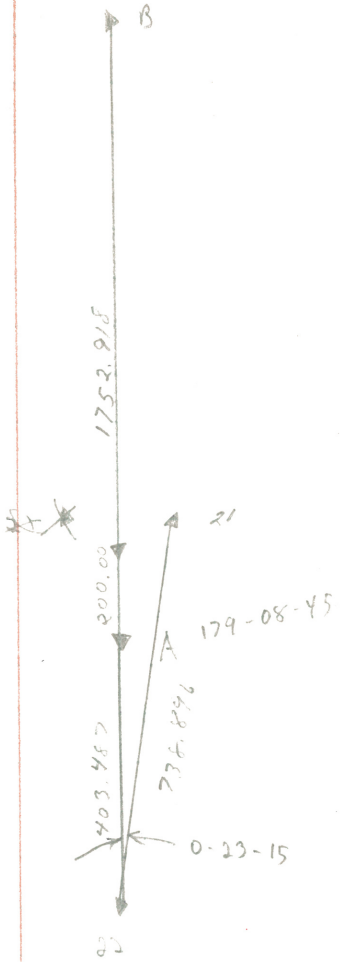
	Δ@ 25 BS 24					
	206-13-00					
(26)	412-26-00	206-13-00		89-56-36	179.20	179.2
	Δ@ 26 BS 25					
	161-01-46					
(27)	322-03-10	161-01-30		88-24-44	301.64	301.524
	Δ@ 27 BS 26					
	155-07-54					
(28)	310-15-44	155-07-52		89-21-18	95.44	95.434
	Δ@ 28 BS 27					
	152-38-28					
(29)	305-16-54	152-38-27		90-46-02	173.53	173.514
	Δ@ 29 BS 28					
	153-09-06					
(30)	306-18-06	153-09-03		93-54-36	173.26	172.857
	Δ@ 30 BS 29					
	223-08-48					
(31)	446-17-06	223-08-33		90-52-00	155.0	154.782
	Δ@ 31 BS 30					
	194-07-26					
(32)	388-14-15	194-07-08		90-03-42	469.07	469.07
	Δ@ 32 BS 31					
	198-28-34					
(33)	286-57-04	198-28-32		89-21-54	253.40	253.384
	Δ@ 33 BS 32		4 up 5 hole			
	213-38-02					


213-38-02
33 Δ 20± 20±
32 Δ 15±
31 Δ 30±
30 Δ 20± 60±
40±


Δ 28
35±
Δ 27
30±
Δ 26
15±
Δ 25
15±
Δ 24

McKENZIE

	T @ A	BS B		
	174-08-52		70-05-12	1752.92	1752.918
(22)	358-17-30 - 174-08-45		70-13-18	403.44	403.487
	T @ 22	BS 21 A		
	0-23-18			
(B) (21)	0-46-30	0-23-15		



Pat McKenzie

T @ 33 BS 32

213-58-20

(34) 427-56-26 213-58-13 91-10-30 220.91 220,863

T @ 34 BS 33

201-13-48

(35) 402-27-08 201-13-34 88-41-18 217.63 217,573

T @ 35 BS 34

127-59-16

~~90-27-06~~

(36) 255-58-24 127-59-12 90-17-06 412.57 412,557

T @ ~~36~~ BS 35 ~~36~~

64-53-00

(9) 129-45-48 64-53-54 89-24-30 809.43 809,387

T @ 9 BS 36

159-47-26

(10) 319-34-36 159-47-18

T @ 37 BS 38

271-31-12 87-25-30 480,66 480,174

(13) 183-01-~~52~~ 271-30-56 ~~87~~-45-06 110,35 ~~109~~,342

T @ 25 BS 37

25-49-10

(24) 51-38-18 25-49-09

T @ 38 BS 18

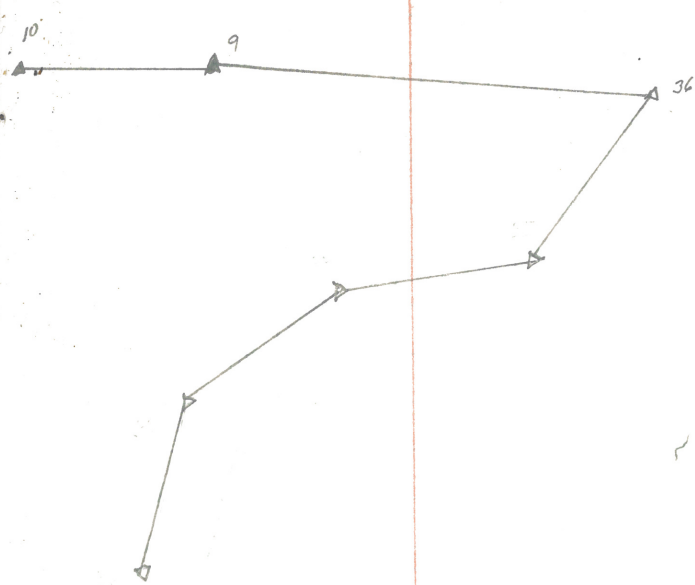
213-14-06 93-55-44 210.41 209,916

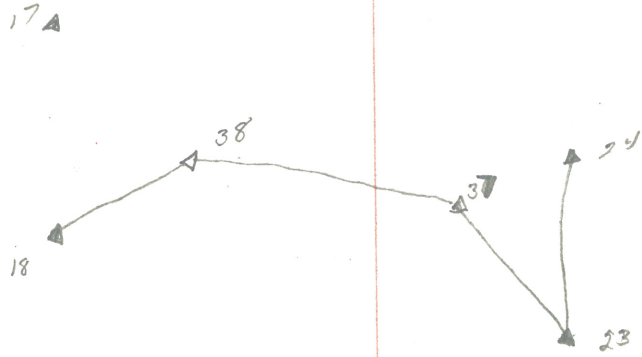
(37) 426-28-06 213-14-06

T @ 19 BS 17

63-27-22

(38) 126-54-18 63-27-09


10
9
36


17
38
18
37
24
23

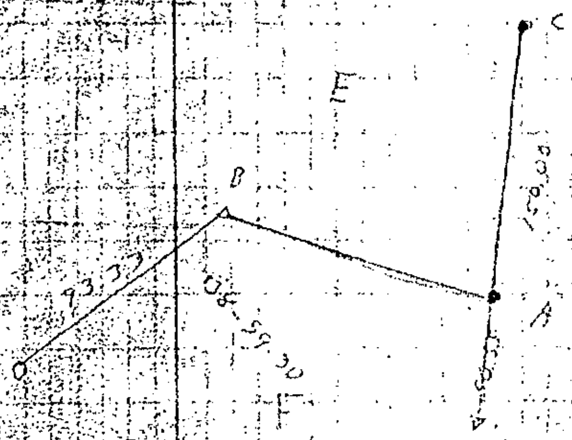
D. LINBERG

T @ A BS B

73-32-42

C 147-05-12 73-32-36 109-53-08 133.15 125.211

T @ B BS A


C
E
B
A
F