

17.

107 SURVEY

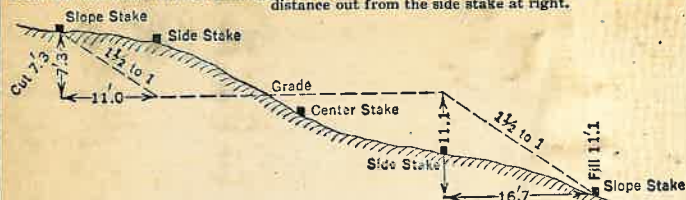
16
BOOK

17.

104

**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
Roadway of any Width. Side Slopes 1 1/2 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

KEUFFEL & ESSER CO., N. Y.

*Julius Milton
Globe Ariz*

47-254

50-138

52-37

55-278

HES 74

" 100

" 163

" 66

East line of sec 25 between 27
TINRIE TINRIE

Survey - position, of Tract 22
in Hazel Home stead entry.
SE 1/4 NE 1/4 sec. 36 -

Run S. line SE 1/4 NE 1/4 by East 1/4
corner Sec. 36. T1N R15E
and stone set for S.W. cor of
said Quarter -
Meas. West from 1/4 cor.
177.33 pt.
+ 548.35
745.68 temporary pt. set W. side of
+ 1.88 County Rd. -
747.56 P.O.I.

County Road. to north. -
line of East edge of black pasture
on long tangent to North. run
Southly to P.I. with 1/4 line as run.

Intersection Δ . W to N. $54^{\circ}4'30''$

July 6 - 39
F.W. + Ches Pennington

800
40.81
759.11

197.45
108 9
54 4 30
789.80
177705
177705
177705
197351530

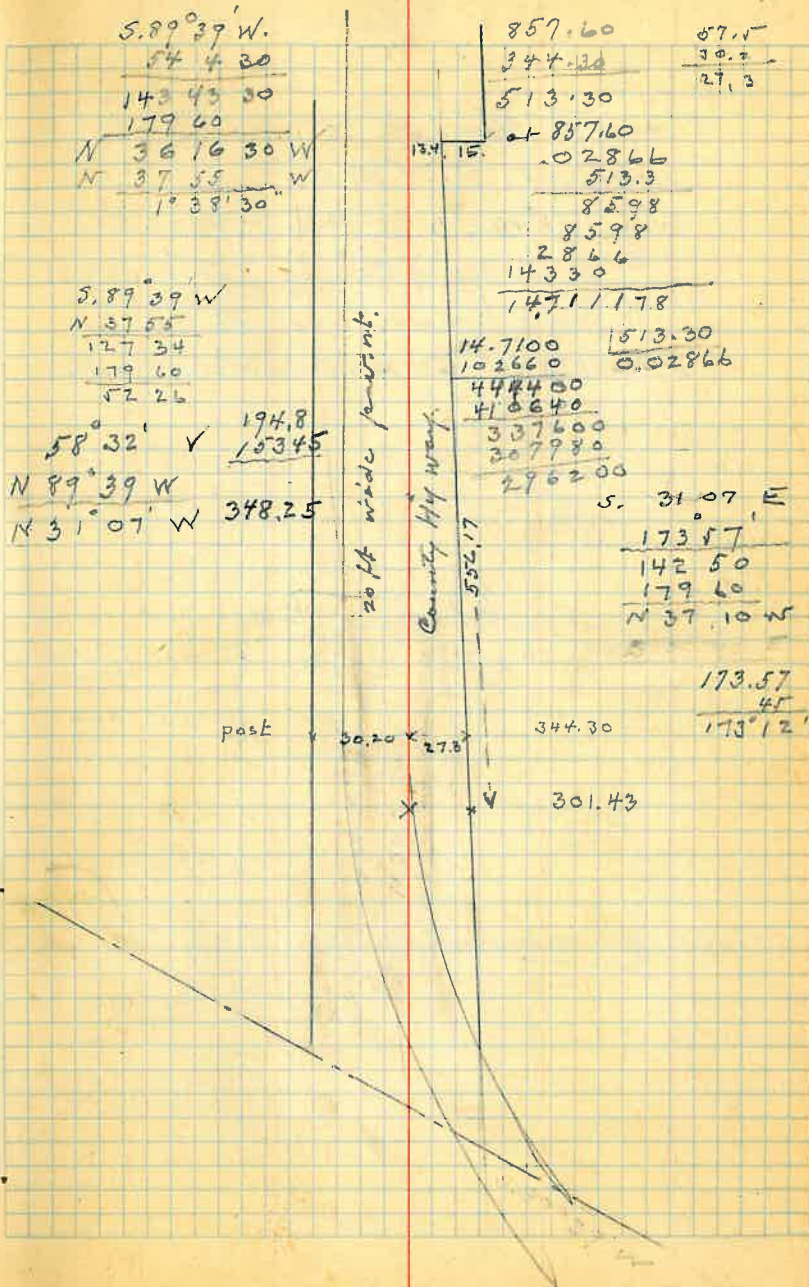
290.85 - 31.07 L to corner post. -
abt BC. curve to R.
344.30 30.20 L to corner post
635.80 19.30 R. to corner post
and fence to E.
134 to east end of fence
759.15 line of fence to east
16.60 R. to fence cor.
857.60 - opposite jog in front line.
13.4 to cor of shed
27.4 to fence cor. (14)
968.0 abt intersect W. line of 1/4
958.4 abt 29 R. to fence cor.
29.8 L to fence

857.60
556.17
301.43

Run east line of County Rd.
by Cor. of Shed (p.l. dist 857.6)
and Fence cor. (p.l. dist 635.8)
Dist 556.17.

001 N.W. cor Tract 22.
02.0 Cor. of beam shed.
100.0 - Fence to East.
184.8 - " " "
323.4 - " " "
556.17 Leave point

Look up deeds in Tract 22 -
W.H. Childers to 3 Nails
" " " "



9.

July 7 - 39

Tr. on $\frac{1}{4}$ line, pt. 747.56, (A.5)

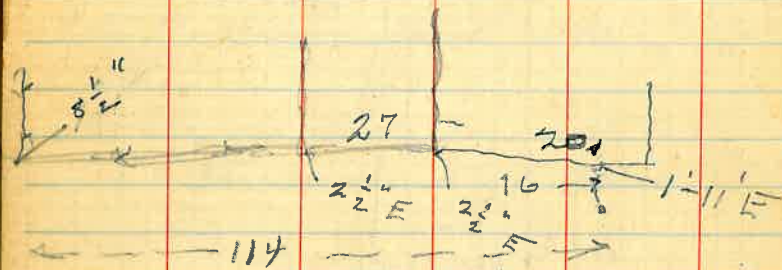
Course $S. 89^{\circ} 39' W$

A.R. $58^{\circ} 40' = N 31^{\circ} 41' W$ - 349.25 k

pt. on East of County Road. 509.92

From NW cor Tract 22. -

A.R. $175^{\circ} 46' = N 37^{\circ} 55' W = W$ line Tract 22



1400061

S. 89 39 W

58 40

142.19

179.60

~~37 41 E~~

175.46

142.05

179.60

N 37 55 W

N 88 55 W

N 9 30 W

79 25 - 130

217.20

58.90

37.55

29.01

127

180

231.00

32

127

S. 29 20 E

N 34 00 W

24.30

179.60

155.30 - 175

- 0.71

- 0.71

- 0.21

- 2.21

40

100

170

X 175 pt

7.50

6.70

6.2

16

S. 34 00 E

90

S 56 W

N 42 13 W

98.13

179.60

81.47

81.53

301

85.42

4 18

301.6

0.6

8.0

90: 4.18 = 8: 17

.075

8

600

556.17

46.21

509.92

10

194.8

154.45

349.25



301

286.80

14.20

153.30

9.30

146.00

189

34

S. 37 55 E

N 41 37 E

79.32

179.60

100.28

96.33

July - 10 - 39

π - pt on Broad and Carson

ΔR - $85^{\circ}54'$ (171.48)

Dist 178.5 - E. end of bridge

287.4 W π a $\frac{11.5}{14} R$
312 \rightarrow pt. 12 L. 13. R

π -

ΔR 101.40 (203.20)

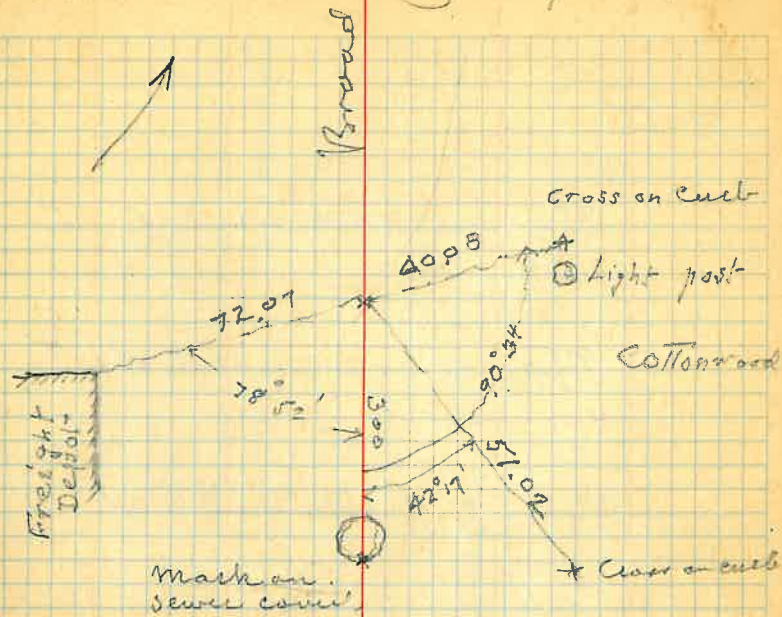
Dist 11.0

392.55 angle ft. in line of
front wall along S. side of
Mexican street to west.

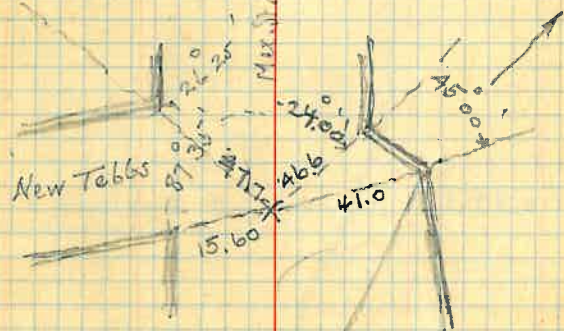
π

ΔR 166.48 (332.96)

July 6 - 39 14



= angle pt. of S. Broad - baselines.



392.5

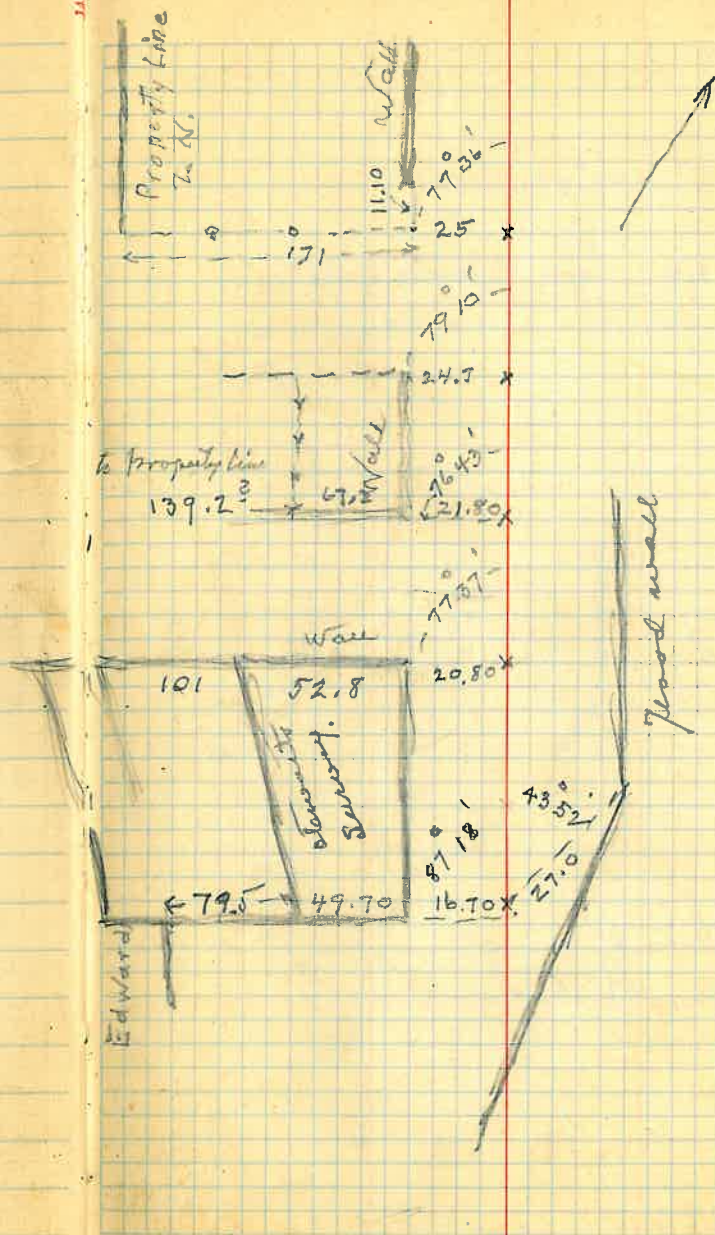
85.0 line N. side alley to W.

97.0 " S. side alley to W.

187.6 " N. side street to W.

236.0 " S. side street to W.

287.2 property cor. and line to W.



Δ 287.2
 ΔR $209^{\circ}43'$ ($419^{\circ}26'$)

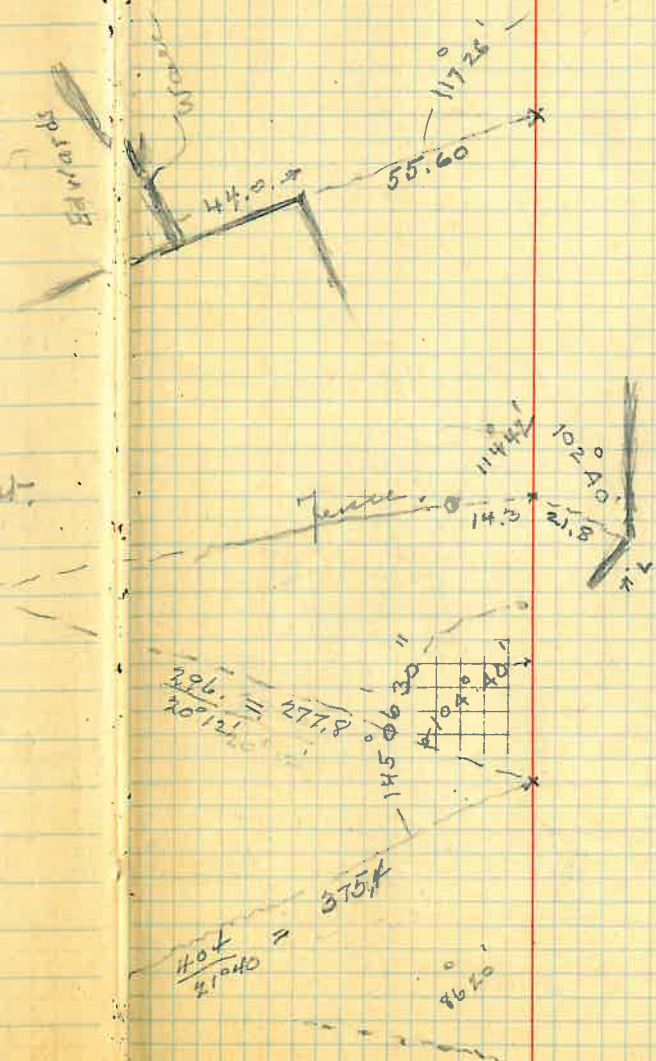
Dist 111.4 line of fence to west.
 220.9 pt. to west fence

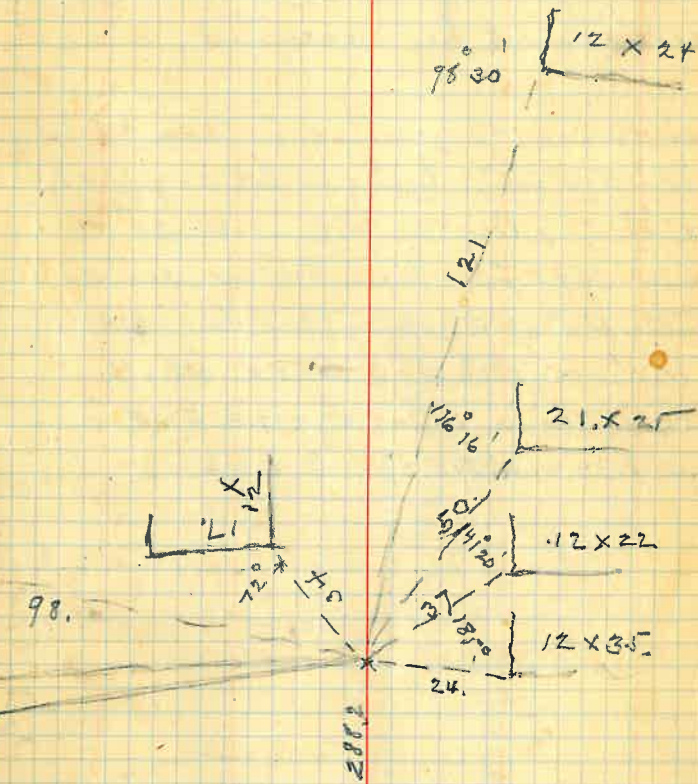
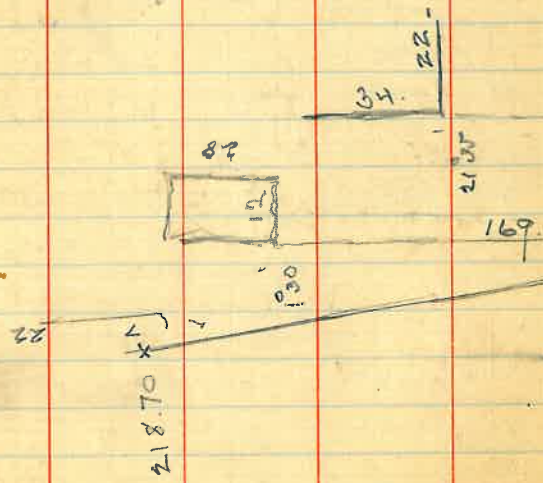
220.9 pt. line of fence to west.
 + 67.3

Δ 288.2 pt.
 ΔR $159^{\circ}35'$ ✓

Dist 218.70

Dist 218.70





For Cuto Troutman Survey
of formerly Williams Dairy Ranch.

Piece of ground in Sec. 36-1N-R15E
Description to be corrected.

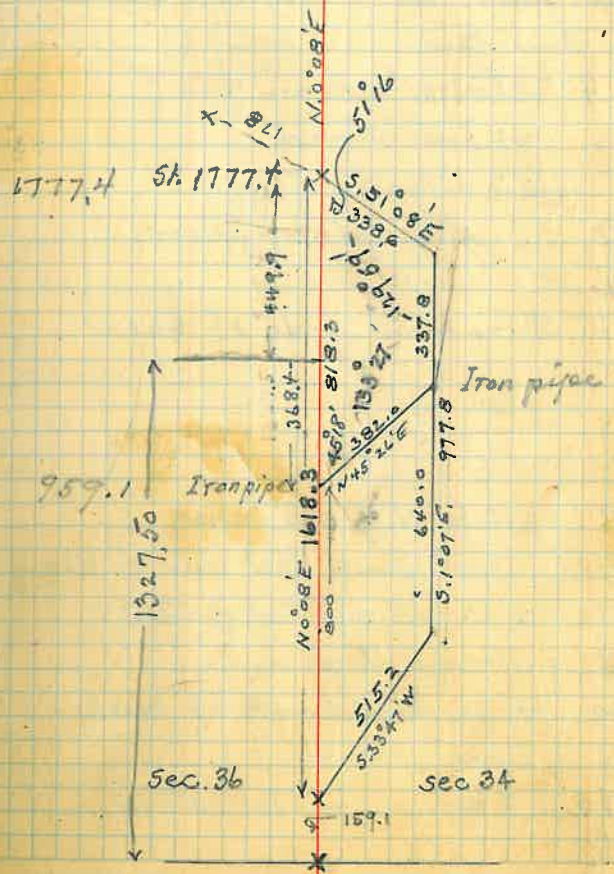
Also piece of ground in Sec. 34-
T1N-R15E, lying in lot 3 & 4 (W 1/2
SW 1/4) - Beg. on W. line sec. 34 at a
point 159.1 ft. from SW. cor. sec. 34.
thence N 0° 08' E along sec. line 1618.3
to N.W. cor., thence S 51° 08' E 338.2 ft. to
N.E. cor., thence S. 1° 07' E. 977.8 to S.E. cor.;
thence S. 33° 47' W. 515.2 ft. to p.o.b.

134 26 30 }
268 53 } 944
Dist 342.45
= 337.52

S. 1° 07' W
S. 43° 26' W
46 33
179 69
133° 27'

Dist. 134° 27' 30"

348.70



1618.3
159.1
1777.4

Aug. 27 - 27

Run sec. line betw. sec. 36-1N 15E
and sec. 34 - T. 1N - R. 15 1/2 E by
1/4 cor. pipe set by Stewart near
Standard Oil plant and Stone
set for Township cor. -

Meas. from Township cor. North
along sec. line,

582.4 stake set on line
600 - wagon road
611.0 nail + Transit pt.
959.1 set Iron pipe for cor.
+ 251.9
1211.0 stake on S. side of barn
→ 72.9
1283.9 nail
+ 179.0
1462.9 ✓ 5/8 Stake N. of old barn
- 1771.05? Intersect fence west side of Road
1773.05 - 1" pipe set 0.10 East of Line,
1823.18 east edge of pav. nt.
2089.40 pt. on west bank of creek
2655.0 E 1/4 cor. sec. 36
1327.50 = 1/4 1/4 corner - Set Stone.

1823.20 - E side pavnt
266.30
2089.50
565.50
2655.00 = 1/2 mile -
1327.50 = 1/4 mile
1327.50
3.16 more corner N.



$\frac{1}{4}$ $\frac{1}{4}$ cor. - set stone

From Sec. line to watch. $N0^{\circ}08'E$
 Turn to left $90^{\circ}08'$ and run
 due west.

602.48 intersection with fence.
 set stone for corner at this
 intersection.

$56^{\circ}56'$ angle with fence. - East to North
 Run

$N.33^{\circ}04'E$ along fence. to

289.13 to bend in fence.

set stone.

angle right $181^{\circ}55'$

Run

$N.34^{\circ}59'E$ along fence.

442.25

angle Left $86^{\circ}07'$

Run

$S.51^{\circ}08'E$.

246.88 to intersection of Sec. line

Run

$S.0^{\circ}08'W$.

449.9 to $\frac{1}{4}$ $\frac{1}{4}$ cor.

Position of ground in Sec. 34.

NW cor. T. Ruins	Total				Total East
	N	S	E	W	
$N0^{\circ}08'E$ 818.3	818.3	0.0	0.0	0.0	0.0
$S51^{\circ}08'E$ 338.6	212.48	212.48	1.90	1.90	1.90
$S1^{\circ}07'E$ 337.8	337.73	337.73	268.83	268.83	268.83
$S45^{\circ}26'W$ 282.0	268.06	268.06	6.57	6.57	21.51
	818.3	818.30	1271.51	272.15	

167
32

	+	-	T. N	+	-	T. E
$\frac{1}{4}$ $\frac{1}{4}$ cor.			0.0			0.0
$N0^{\circ}08'E$	449.9		449.90	1.05		1.05
$S51^{\circ}08'E$	338.6	212.48	237.42	268.84		264.69
$S1^{\circ}07'E$	337.8	337.73	100.31	6.57		271.27
$S45^{\circ}26'W$	282.0	268.06	368.37		272.15	- 0.88
$N0^{\circ}08'E$	368.4		0.0	0.86		- 0.0
	818.3	818.27		272.13		

~~333.00 to intersection with
section line. (point under
west county road fence.)
Angle Left $137^{\circ} 59'$
Run $S. 9^{\circ} 08' W.$ along Sec. line.
Distance 446.71 to $\frac{1}{4}$ cor. (stone)~~

Sept. 3 - 37.

~~That portion of NE $\frac{1}{4}$ SE $\frac{1}{4}$ Spring betw. County Road and Old Sec
line - Sec~~

	N	S	Total N.	E	W	Total E
$\frac{1}{4}$ stone	00	00	00	00	00	00
West.	604.70				604.70	604.70
N $28^{\circ} 04' E$	292.90	240.46	245.46	159.81		444.87
N $34^{\circ} 09' E$	442.23	362.33	607.79	253.15		191.34
S $51^{\circ} 08' E$	246.58	154.73	453.06	171.99		0.65
S $0^{\circ} 08' W$	453.06	453.06	0.00		1.05	1.05
$\frac{1}{4}$ stone.	602.48				602.48	602.48
West	289.13				289.13	289.13
N $33^{\circ} 04' E$	242.20	242.20	242.20	157.75		444.73
N $34^{\circ} 09' E$	412.25	362.76	604.96	259.56		191.17
S $51^{\circ} 08' E$	246.88	155.06	449.90	192.22		1.05
S $0^{\circ} 08' W$	449.90	449.90	0.00		1.05	1.05

for area see page 30

Lat	Dept	M.D.	N.	S.
+ 242.20	+ 157.75	788.75	19102.53	
+ 362.76	+ 253.56	284.53	104638.75	
- 155.06	+ 192.22	507.42		78680.55
- 449.90	- 1.05	603.005		271291.95
00	- 602.48	301.24		349972.60

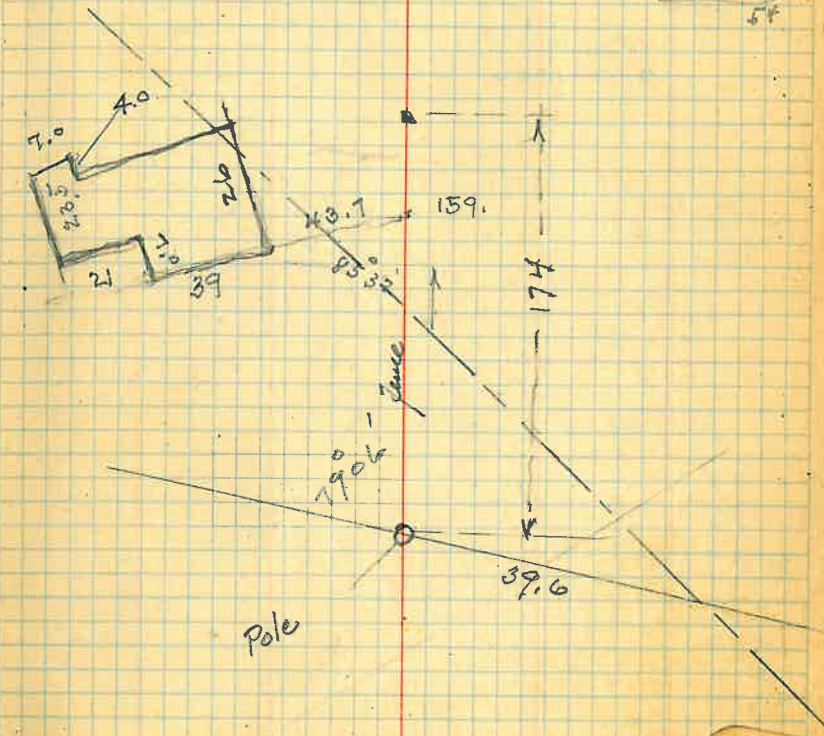
= 5.19 acres.

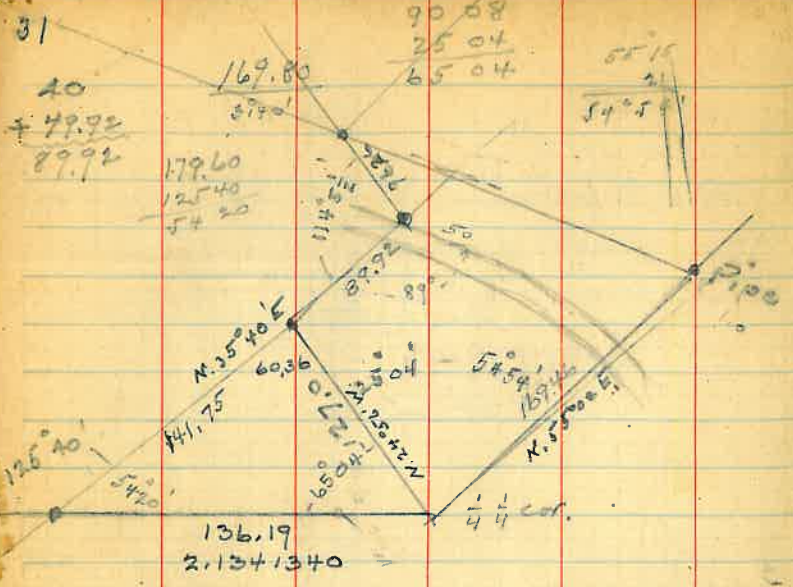
5.2262

39.6 to Diron line - Kunking to E. - Acres to W.
 angles from B - west with June
 line - $79^{\circ}06' - 202.55$
 less 175
 correct back 27.55

159. to pt on line.

77.5
 159
 16
 179 20
 79 6
 54





141.75
 89.92
 231.67

1400061

55.95
 2454

89232
 55.95
 446150
 803088
 446150
 446150
 499253040

1662930
 88.48
 774120

33259

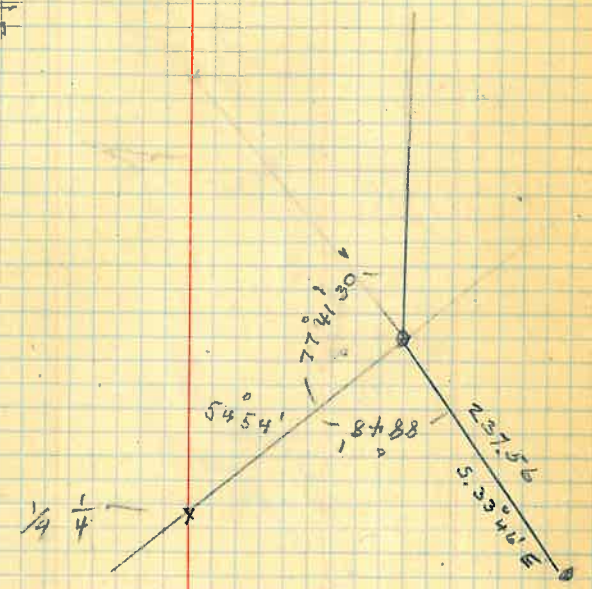
98.70
 12.45
 .9753
 2870
 68.2710
 78.024
 87777
 96.26210

237.8
 10

21.402
 21402
 21402
 237.5622

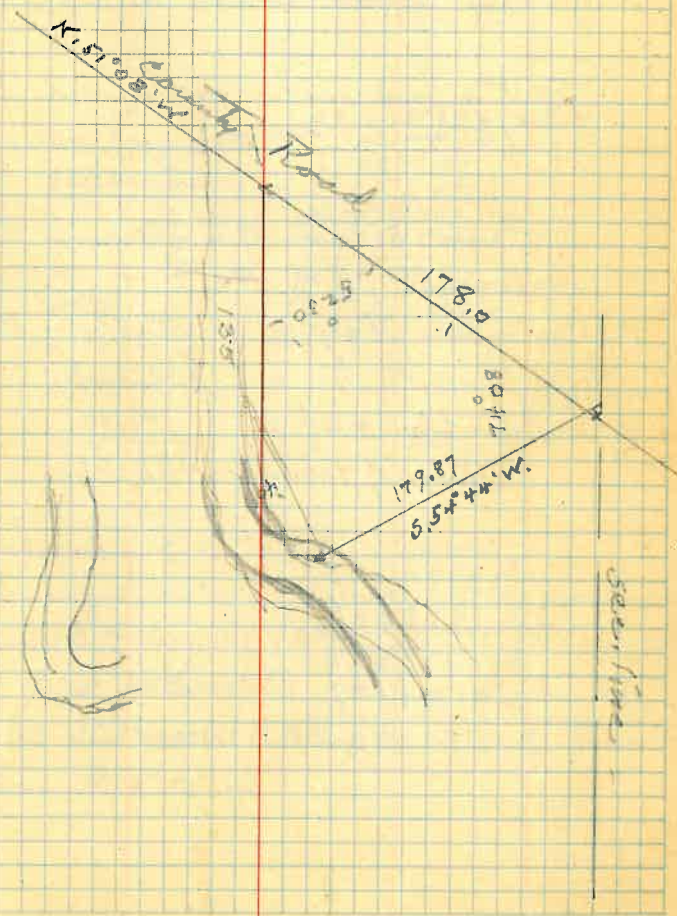
J E Kunk

141.75
 89.92
 231.67



74.28 9976
180.3
 29928
 79808
9976
 17986728

180.3
 420



For Mrs. Hays
 Survey Tract 7 - in SE $\frac{1}{4}$ of
 N.E. $\frac{1}{4}$ sec 36 - T1 - R15 E.

West line of $\frac{1}{4}$ $\frac{1}{4}$ by stone
 at S.W. cor. - sight on $\frac{1}{4}$ cor
 of sec. and turn L $89^{\circ} 29'$.

Spot a fore sight on mine dump.
 $1\frac{1}{2}$ mile off -

Extend S. line of $\frac{1}{4}$ $\frac{1}{4}$ sec. to East
 intersect \perp of R.R. -

Distance $\frac{1}{4}$ cor. to p. of int. n. = 81.82 -

S. line of $\frac{1}{4}$ = 1323.60

extension east = 81.82.

Base of triangle 1405.42

9.9999823

3.1478061

3.1477884

9.9137179

3.2340705 = 1714.23

Nov. 28 - 39

N. 89 39 E

N 0° 10' E

89° 29'

290.1

3° 35'

1714.23

1.60

1712.63

17960

50° 04'

12486

$55^{\circ} 04' : 35^{\circ} 27' = 1405.42 : x$

3.1477899

3.1478061

9.7634222

2.9112283

9.9137179

2.9975104

994.30

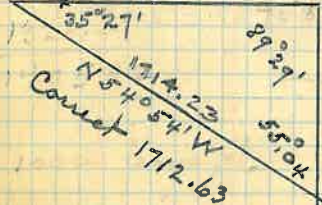
312.16

1306.46

Rec. = 1306.0

orig. measure long 1160

$\frac{1}{4}$ sec. 1405.42 Rec.



Meas. along \perp of track. 1714.23.

In turning to N 0° 10' E. I strike west of fore sight.

I now shift transit to conform with fore sight

and find intersection point to be at

1712.63 distance along \perp line of track

at run N 54° 54' W.

fore sight.

50° 10' W

5.6449 E

64° 59'

$23^{\circ} 31' : 90 = 100 : x$

2.0000000
 9.6009901

 2.3990099 250.61 -

$23^{\circ} 31' : \tan 23^{\circ} 31' = 2.0000000 \quad 712.18$

9.9623428

 1.9623428
 9.6009901

 2.3613527 = 229.80

712.18
 23035

 942.53

108.03
 16.00

 280.05

89.60
 23.31

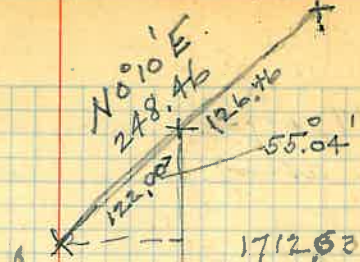
 66.29

5.6449 E

50° 10' W

55.08 E

N 0° 10' E
 248.46



942.53
 712.18
 R.R. R.O.W.
 N 57° 54' W

1000.45
 230.35

 251.12



14' offset line for drive way
along fence on east property line

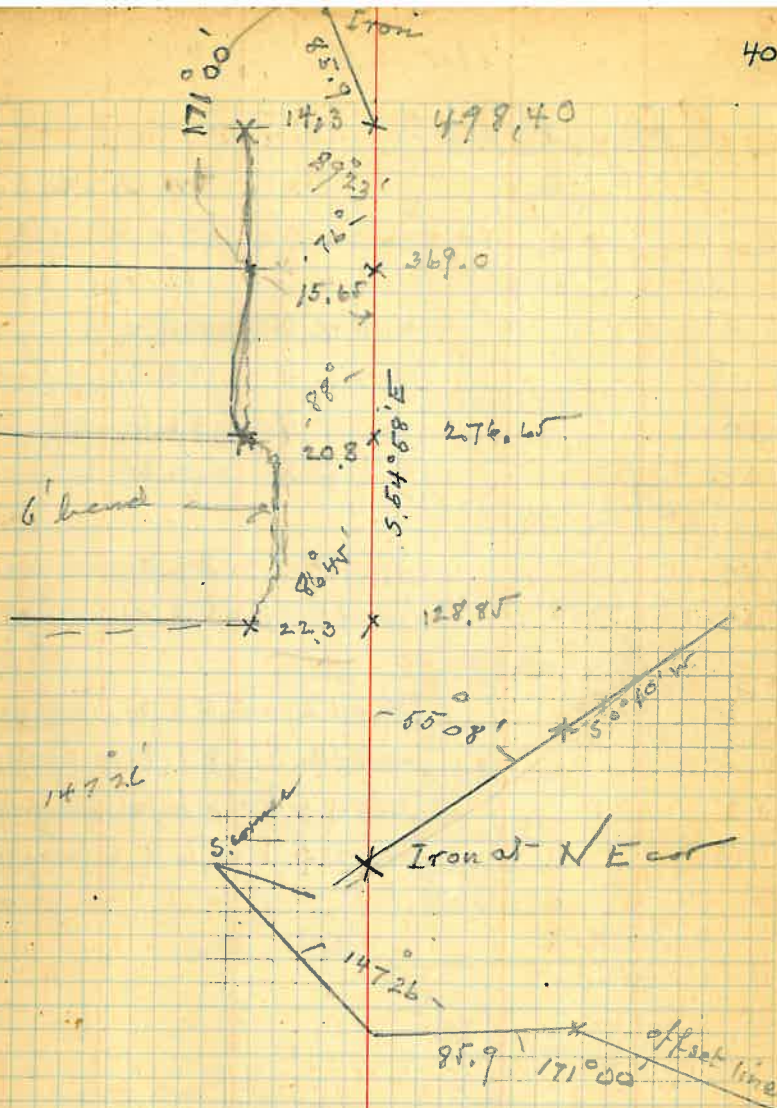
from N.E. cor. across along offset line

128.85
147.8

276.65
22.35

369.00
129.40

498.40



Febr 28 — 40

Ragibolletus Wau

	00	100.00	00	100.
5			4.6	95.4
5			6.4	93.6
30			7.4	92.6
30			8.8	91.2
42			10.1	89.9
42			11.4	88.6
52			12.00	88.0
52			12.8	87.2
80			13.4	86.6
110			13.1	86.9

Cu Ft, Width in base
4.50

				Height
$2 \times 1 \times 1.5$ ✓				
$\left(\frac{0.83 + 1.20}{2} \times 4 \right) + 2 \times 1.5$	7.08	}	40.45	0.83
$\left(\frac{0.83 + 1.20}{2} \times 5 \right) + 3 \times 1.5$	9.10			
$\left(\frac{0.83 + 1.4}{2} \times 4.5 \right) + 3 \times 1.5$	9.50	}	262.75	3 x 1.5
$\left(\frac{0.83 + 1.50}{2} \times 6 \right) + 3 \times 1.5$	11.52			
$\left(\frac{0.83 + 1.65}{2} \times 7 \right) + 3 \times 1.5$	13.55	}	181.80	ditch $8 \times 2 \times 1.0$
$\left(\frac{0.83 + 2.0}{2} \times 8.5 \right) + 3 \times 1.5$	16.74			
$\left(\frac{0.83 + 2.1}{2} \times 10 \right) + 3 \times 1.5$	19.20	}	195.70	ditch $10 \times 2 \times 3.5$
$\left(\frac{0.83 + 2.1}{2} \times 10.5 \right) + 3 \times 1.5$	19.93			
$\left(\frac{0.83 + 2.1}{2} \times 11.5 \right) + 3 \times 1.5$	21.40	}	637.00	10 x 1.5 x 2
$\left(\frac{0.83 + 2.2}{2} \times 11.9 \right) + 4 \times 1.5$	24.10			
$\left(\frac{0.83 + 2.2}{2} \times 11.6 \right) + 4 \times 1.5$	23.63	}	716.10	3.5 x 1
	2034.30			
Extra. ditch	116.			
	2150. Cu Ft.			
	79.6 Cu Yds. =			
	2.6			
cor. cut off =	77.00			
Balance				

43	Rabigliatti's 2nd wall			
0	4.38	104.38	100.00	peg at
+40			8.33	96.05 E. end
+50			10.40	94.00
+50	6.29	98.85	11.82	92.56
56			6.7	92.20
56			7.8	91.00
64			8.2	90.60
64			9.48	89.37
109			11.70	87.15 Top of wall.
			14.70	84.15 surface

Surface elevations
 bottom of shallow ditch.

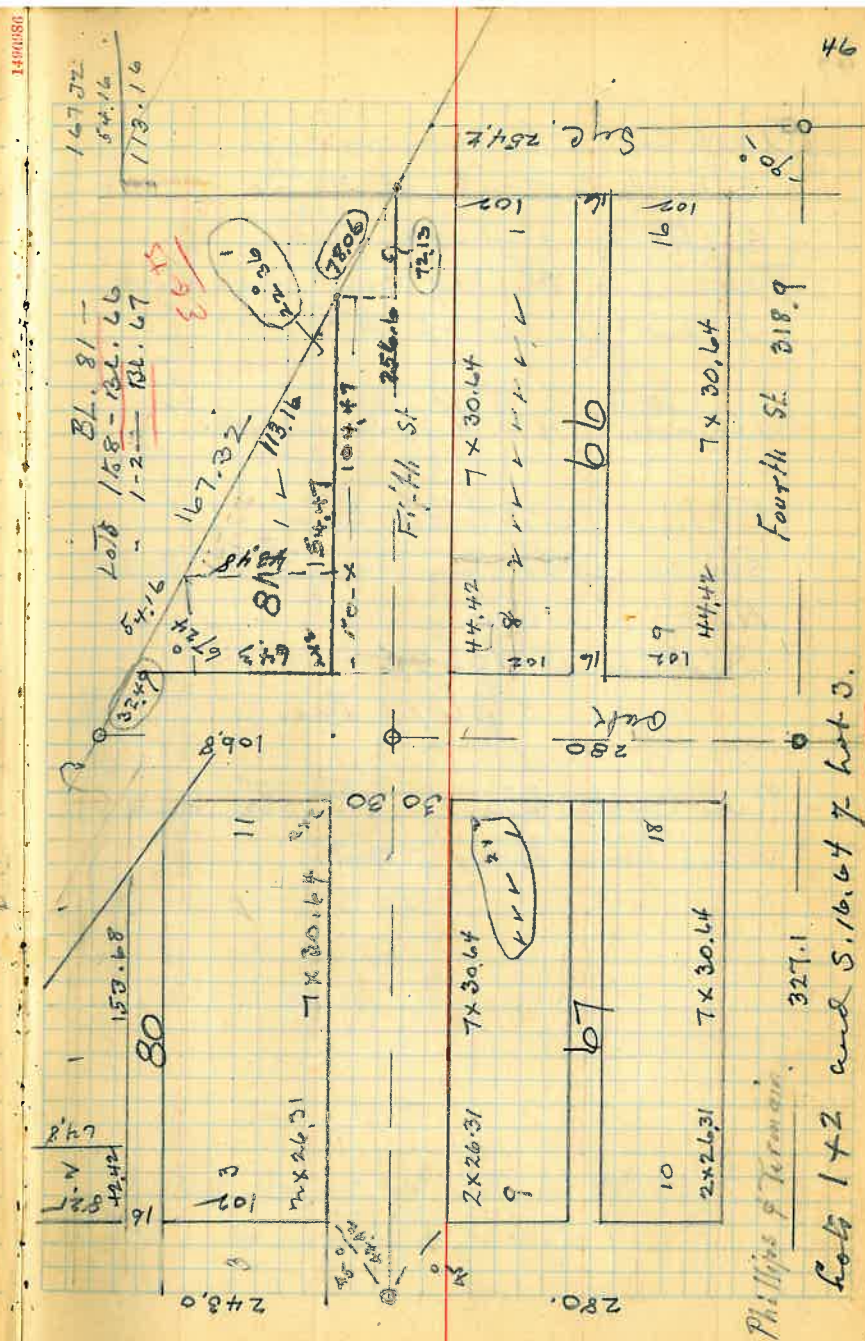
I490984

Eye. + 3rd Iron rivet
 + on M.H. rim S. 67° 39' W 0.114 ft
 + " " S. 67° 39' W 2.14

Eye. + 4th
 Pt. face on lid.
 + on rim N. 22° 21' W 0.160 ft.
 + " " S 22° 21' E 1.55

Oak & 1st st. - steel joint
 nail in disks in pole
 N. 54° 26' W 42.107
 Nail in disks light pole.
 N 84° 41' E 28.00

Oak and 4th Brass in Concrete Block
 cross on W. face of Quartzite boulder
 N. 22° 25' E 42.59
 disks in light pole.
 S. 66° 20' E 29.02



Oak St. -

Stewart's center at 4th.
 Sight on center of High -
 Reverse - strikes 0.25 N. of Iron
 set for center of 5th.

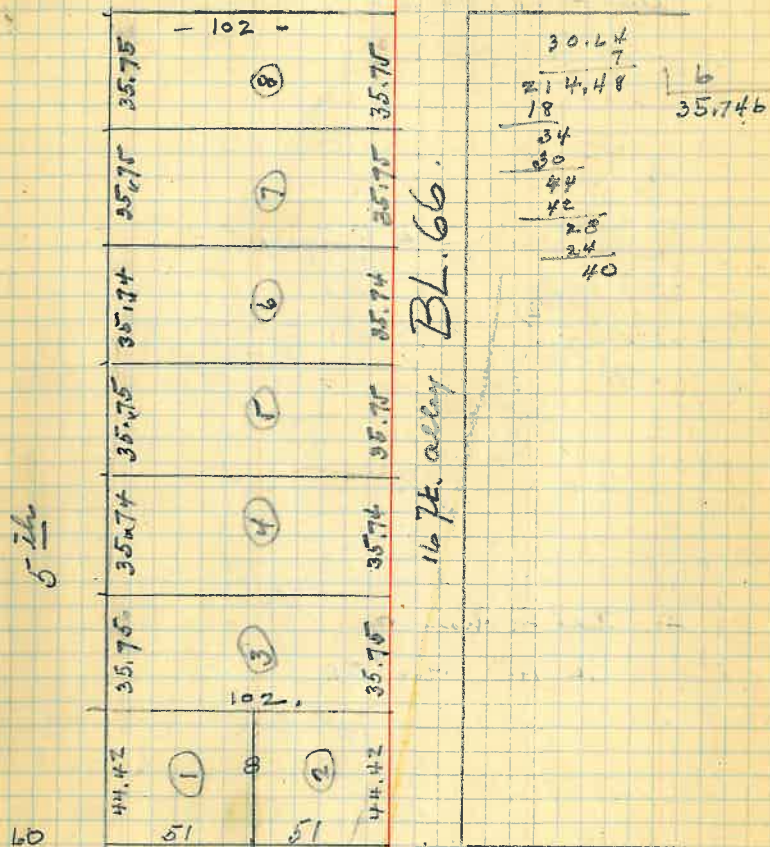
Distance 4th to 5th 280.05
 (280.00 Rec.)

Extend this line East
 strike from on town line 0.24
 N. -

Distance 106.82
 (106.80 Rec.)

Run center line of 4th str. and
 meas. from Syc. to Oak.

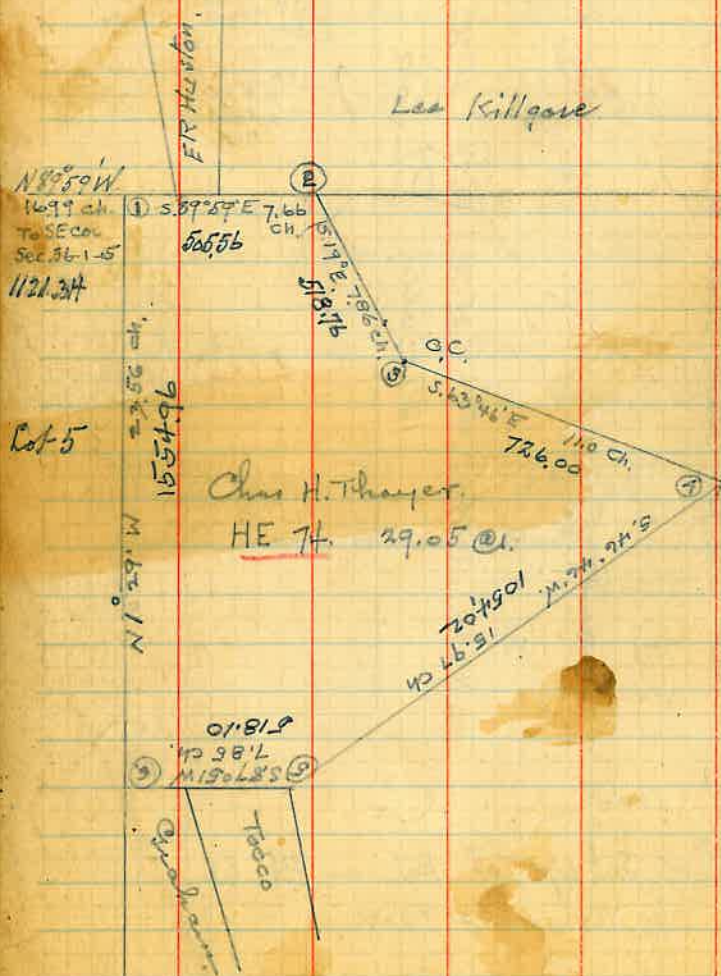
Sycamore



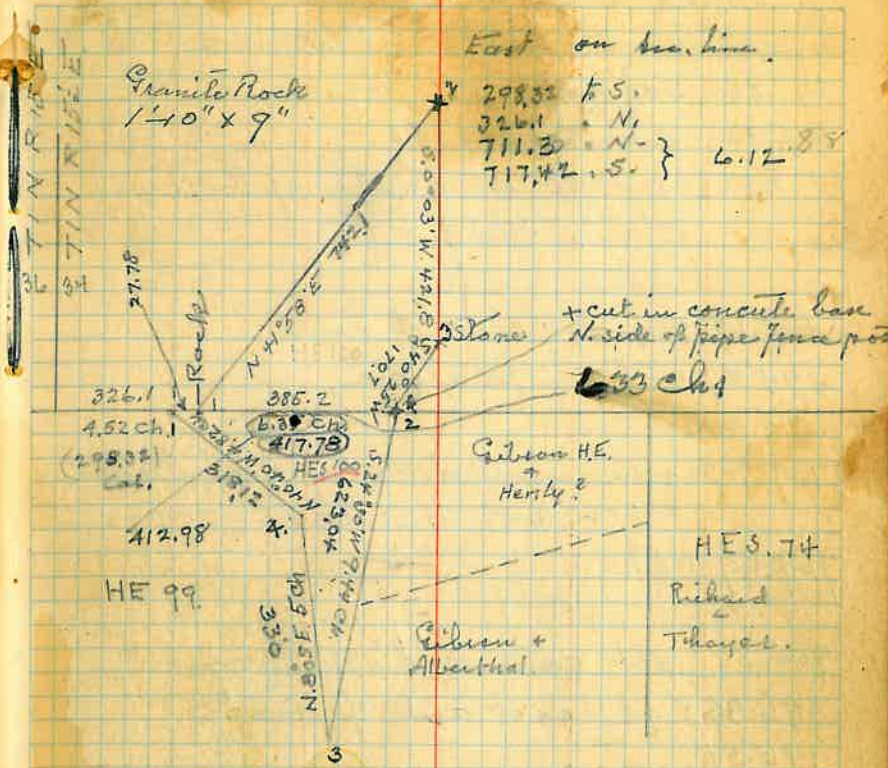
60 Oak

New Set up of Lots in Bl. 66.
 by Turmain + Phillips

29.05 @ 1. in HES 74
 Sec 1 - T 15 - R 15 E



326.1
 298.32
 27.78



Portion of lot 4
 Sec. 34 - 1 N R 15 1/2 E T 15 E
 HE. 100 T 15 - 15 E. 36 - 7.15 1/2 E
 Sec. 34

Township cor. near East

Between Sections 1-T.15.R.15E & 34-T.15.R.15E

297.89 set nail.
 325.82 set stake p. 53 -
 425.82 set pt on W. side of Ice House
 Conan Rd.

445.68 pt. E side of Road
 494.87 Pt. in pasture,
 + 274.60
 711.39 + on corner of N. side of pipe section Con.
 = cor. 2 of H.E. 100

769.47 pts ✓

954.59 abt. center of Dix Shute road 955.60

976.36 ✓ pt. east side of road. x

+ 145.34

1121.70 Dig up stone for N.W. cor. H.E. 74
(1121.34 Reg.)

+ 196.59

1318.29 H.E. cor. to N.

1627.67 H.E. cor. stone. N.E. cor. H.E. 74

711.30

see page 82.

28.50

~~54.07~~
 711.30
 4.80
 + 62.15
 778.25 nail
 180.64
 958.89
 28.50
 987.39

954.1

28.5

982.6

74.4

4.2

711.3

62.15

180.65

28.5

982.60

955.5

27.1

27.1

27.1

27.1

27.1

27.1

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27.1

27.1

27.1

27.1

27.1

27.1

27.1

27.1

Recorded Points
 Along Township line
 O = Township cor.
 154 15 1/2 E.
 1 N. - 15. -

326.10. West. H.E. 100

711.3. E. - " - "

955.5. - Intersect Rd.

1121.34 NW cor. H.E. 74

1626.90 N.E. - " - "

958.9

955.5

3.4

3.4

3.4

3.4

3.4

3.4

3.4

3.4

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3.4

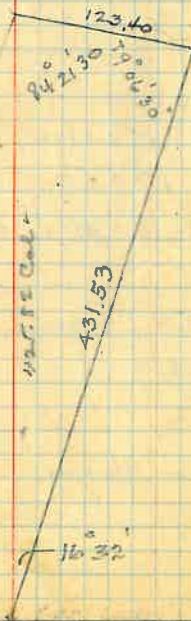
3.4

3.4

3.4

3.4

987.38
 2711.0
 960.28



0.5 N
 0.4 W

326.25 - $\frac{1}{2}$ " round iron, below surface.
 (Rec. 326.1) - Checks for lines. -
 436.47 Center of pipe, on Ice House Road.

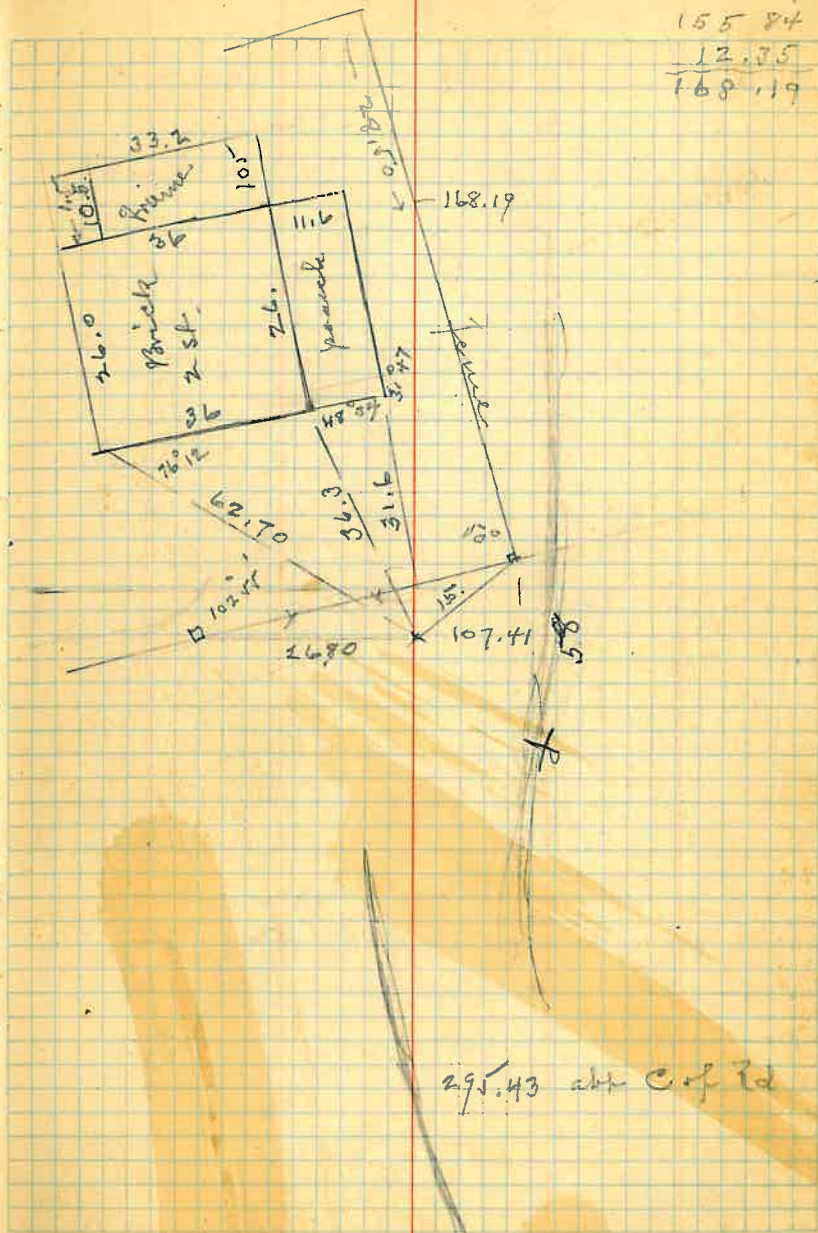
Ice House Rd.

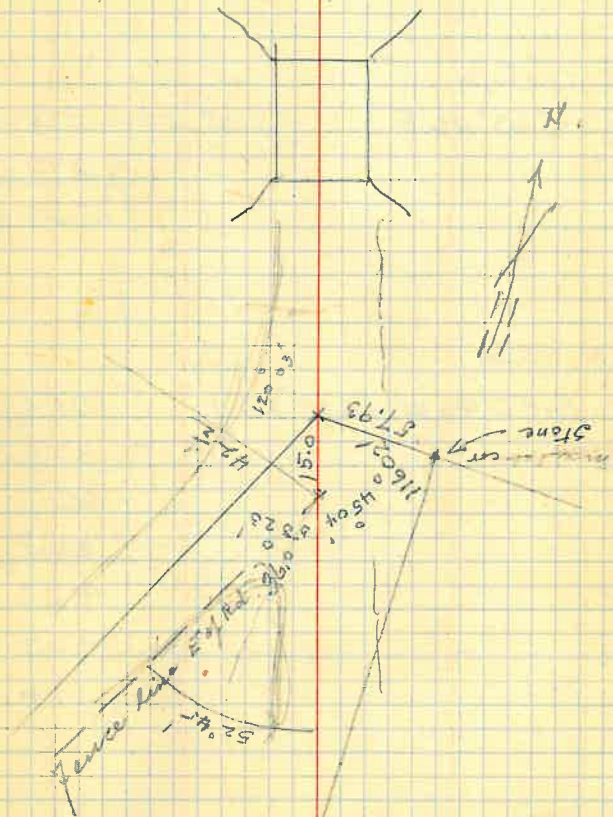
436.47 A E with Tgt. to N. $80^{\circ}20'$
 123.65 - Temporary P.I. $12.5 E - \frac{1}{2}$
 C. of Road
 P.I. - included $\Delta 155^{\circ}08'$
 Thence along Tgt. - westerly
 100 abt beg of curve.
 400 abt end of curve from bridge
 552.74 nail set in six shooter.

base page

Tr. at 711.30. Turn N. $40^{\circ}25'E$ (approx E 4935)
 Dist 170.50. (Rec. 170.17)
 Stems with pt. in side North.

Tr. at 170.50, Turn to N $00^{\circ}15'E$,
 107.41 set pt
 + 48.43
 155.84 ft. in yard
 + 175.24
 331.08 ft on side of road.
 91.06
 422.13. Iron spike (Rec. 421.8)
 Iron N $013 E$ of my pt.





May 20 - 40

Tr. at N.E. cor. H.E. 74

Run $S 19^{\circ} E$. ($\Delta 109.01$) 518.76
 point 444.73
 74.03

Tr. at 718.76

Run $S. 63^{\circ} 46' E$. ($\Delta 135^{\circ} 14'$) 726.0
392.56
 333.44

Tr. at 726.

Run $S. 46^{\circ} 46' W$. ($\Delta 69^{\circ} 28'$) 1054.02
 - 426.22
 627.80
 - 205.13
 422.67
 - 407.90
 14.77

Mon. T. - stone - strike $0.4 W$.
 Distance to stone, 491.31 (27.45 short)

set nail.



Tr. at 1054.02

Run $5.87^{\circ}51'W$ ($\Delta 138.55'$)518.10
- 243.12

274.98

- 203.08

71.90

Meander along road

436.00 abt center of road.

Tr. at 446.20 on west corner -
pt. on NW side of road

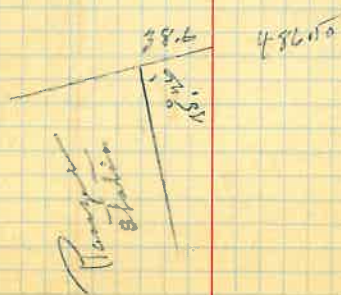
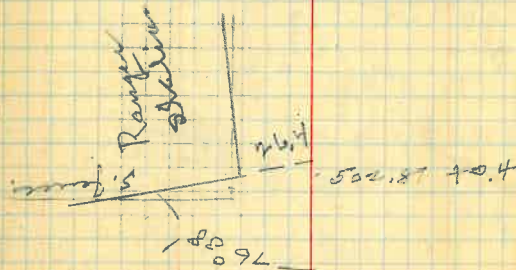
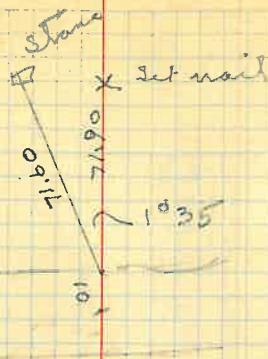
116°50' L N 24°44' W / 448.55 L

pt. on W. side road

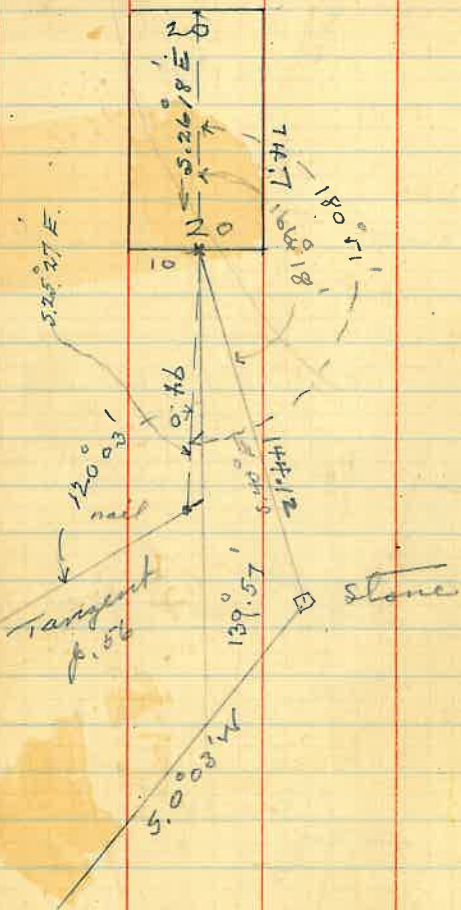
146°00' L N 9°19' E 502.89

pt. 173° 11' R. N 2°30' E 488.50

pt. 159° 23' 30" R. N. 18° 6' 30" W 182.0

pt on Sec. line, $67^{\circ}32'$ L to Sec. line.518.10
436
82.10

61 166.18



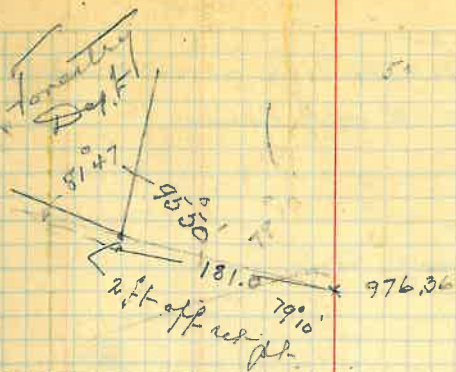
177.37

95.50

81.47

1121.70

62



	1627.67
5.6	430.2
424.7	1197.47
430.2	1121.70
	75.77

From orig. stone for cor. 20' of
H.E. runs along sec line 75.36.

Set Stone

5.89° 59' E

Run S. 16° 27' E, - 198.7

5.16° 27' E

Set Stone. - Pipe fence post set
in concrete is 6" East of point

73° 32'

Set Stone 5.50 N. of Mon. 2.

N. 79° 59' W

pipe post in concrete OK

N. 9° W

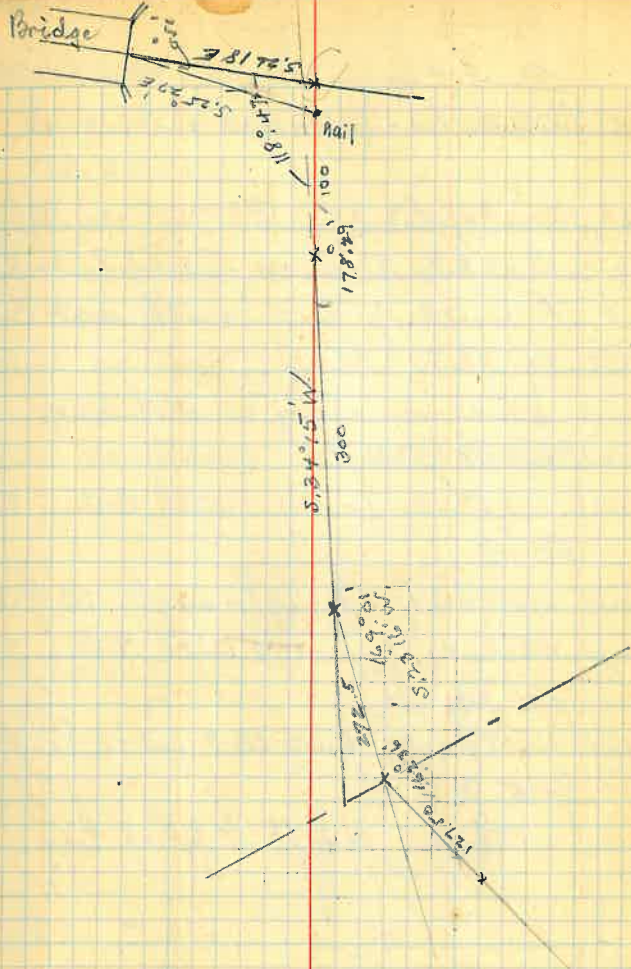
80° 59'

180

199.06

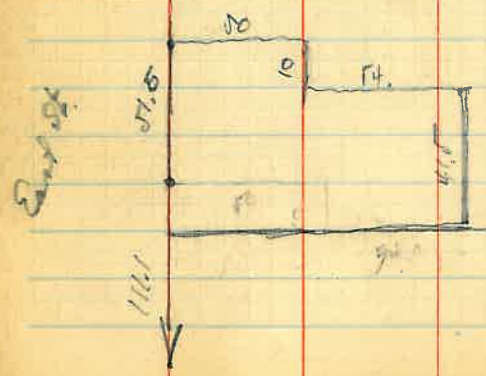
To. over pt. nail (H. 61) right on CP of end of bridge.
 turn L. $118^{\circ}47'$ to CD of Paving.

Continued page 73



Quit Claim Deed, Feb 2-1926.
W.W. Fairweather to Joseph P. Sannes.

- That parcel of land in G.T. - described
Beg. at a pt. on west side of East St.
111.1 ft southerly from north east cor.
of Bl. 24. G.T. $21 + 22?$
- Thence southerly along west line of
East St. 51.5 ft.
- Thence westerly parallel with Cedar St.
50 ft
- Thence northerly at right angle 10 feet.
- Thence westerly parallel with Cedar St.
54 ft.
- Thence northerly parallel with East St.
41.5 ft.
- Thence easterly 104 ft. to pt. of beg.



Warranty Deed.

- Also -
Beg. 50 westerly from south east cor.
Bl. 24.
- Thence westerly along Cedar St. 54 ft.
- Thence northerly parallel with East St.
100 ft.
- Thence easterly parallel with Cedar St.
54 ft.
- Thence southerly parallel with East St.
100 ft.

Block $275 + 250.7$
 285.0



Center Lines Intersections.

Cedar & East. - Steel in ground

S. face retaining wall. Top of wall

- C of Cedar. - 36.67 to pole
24.65 to wall

+ on N.E. side of con. wall.

45.74 N. 59° 00' W 48.07

Cedar & High. Drill steel.

in line of S face at top of wall

30 ft. from end of wall.

Wing. & High. pt. falls on M.H. corner

+ on wall N. 32° 48' E 28.66

+ on S.W. face wall S. 72° 06' E 38.28

+ on N.E. side con. block wall

S. 29° 20' W. 39.72

+ on M.H. pier S. 67° 42' W 0.41

+ " " " N 67° 42' E 0.83

Wing & East.

Iron rivet in block pav. int.

+ on N.E. side concrete garage

N. 71° 13' W 47.69

+ on S.W. side con wall N. 28° 17' E 39.03

+ M.H. pier N. 59° 23' E 13.23

May 25-40

Spotted centerlines of streets

Surrounding block 24 - P.T.

Δ. Cedar with East St. = 90° 00'

East St. - Cedar to Wing.

10.0 ft.

126.48
7.55

+ 125.27.

135.27. nail

115.23

+ 115.11

2° 30'

250.38 nail ✓

62.02

+ 61.95

2.05

312.34

312.40 Rec.

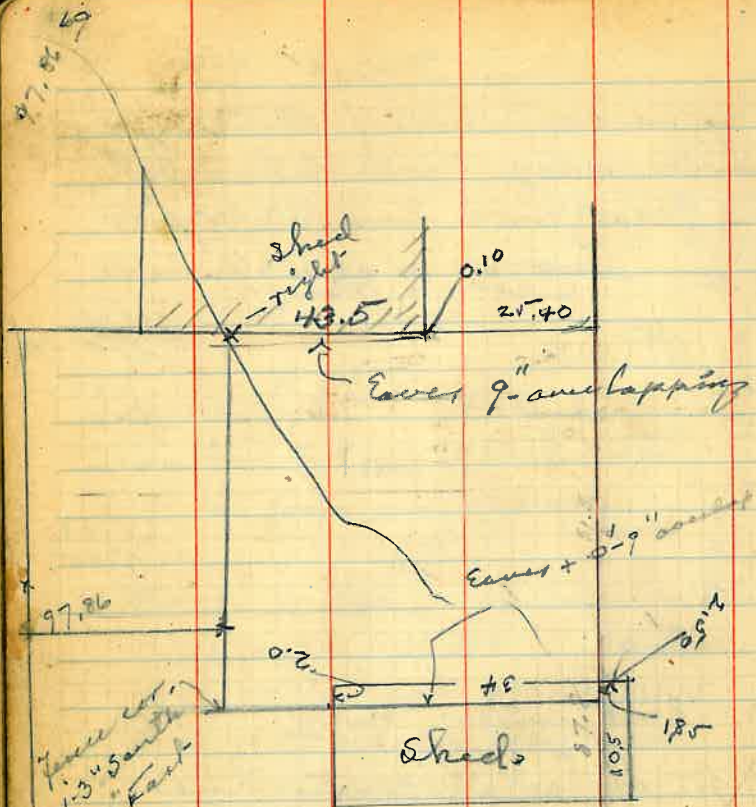
Δ. East with Wing 90° -

Set pt. on East St. centerline

135.1 set from Wing. &

Set pt. 186.65 " "

Distance on Cedar 285.2



Mrs. Young,

5 steps from curb. = 5.75

5 1/2 ft platform to stall

1/2 steps of 0.15

SE, cor. dot	312.48
Wall cor. OK	27.00
	288.48
	111.11
21.35 to steps East side	177.38
25.40 West side S. lot line	51.50
	125.88
21.7 } Steps on top	135.27
25.8 }	9.39
Curb from @ gate N. lot line	177.38
	135.27
27.85	42.11

SE
21.35
10.5

0
 L. $118^{\circ} 47'$ ~~72.50~~
 100
 R. $178^{\circ} 29'$
 400 B.C. of curve to L.
 500 B. $177^{\circ} 34'$
 600 $172^{\circ} 55'$
 700 $169^{\circ} 01'$ Intersect sec line
 800 $165^{\circ} 20'$
 800 $162^{\circ} 36'$ 15

Lot 4 (SW $\frac{1}{4}$ & SW $\frac{1}{4}$ Sec. 34 T. 1 N. - R. 15 $\frac{1}{2}$ E

Dix Shooter C. Rd
 A at B.C. (120') $168^{\circ} 04'$ to E.C. of C. of Rd
 at Sec. line
 A. of E.C. - Sec. East 67 $\frac{1}{2}$ to B.C.

Chord length $\frac{253.2}{126.05} = 15.30$ to C.C.

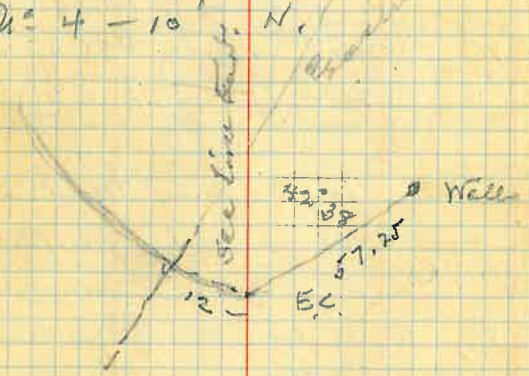
Δ - E.C. to C. of C. from Sec line $74^{\circ} 18'$

47-173 : 27-497
 47 175
 47 175 @ sec line. ✓

Dix Shooter Rd 1 1/2 N. of sec.
 Sec house R. 23' N. of wall cor.
 hand at Rd.

S.W. cor. exception - 29' 0"
 Thence fence to fence to E cor 20'
 Sharp bend -

What - $2^{\circ} 3 - 15'$ S. to bend
 $2^{\circ} 4 - 10'$ N.



Map of H.F. Survey 74 shows
conflict with J. Farley to west
of O. & O. (.02 chain east from cont
running N. 6 N. 1, —

Ranger Station, Sept 10 - 1934

Req. at a point from which corner
N^o 3 of H.F. Sur N^o 100 bears $S. 24^{\circ} 24' W. 288.00$
thence $N. 74^{\circ} 00' E. 447.0$, thence $S. 8^{\circ} 07' E.$
 158.8 thence $S. 3^{\circ} 02' E. 143.3$, thence
 $S. 1^{\circ} 37' W. 180.6$ thence $S. 81^{\circ} 39' W. 446.5$
 $N. 1^{\circ} 27' W. 422.6$ ft to p.o.b. = 4.67 @
B50-138 L

Pipe Line locⁿ over Trust Station

Req. on N. boundary thence cor 2
bears $N. 74^{\circ} E. 1.70$ ch. — thence $S. 5^{\circ} 30' E.$
 463 ft to S. boundary thence
cor. 5 bears $N. 81^{\circ} 39' E.$

H.F.S. N^o 100. —

Portion of Sec. 1 - T. 1 S. - R. 15 E.

Req. cor. 9^o 1 from which SE cor. Sec. 36 -
T. 1 N. - R. 15 E bears West 4.52 ch. = $(298.32$ ft)
thence East 6.33 ch. = $(417.78$ ft) to cor. 9^o = 2
" $S. 24^{\circ} 30' W. 9.44$ ch. = $(623.04$ ft) to cor. 9^o = 3
" $N. 8^{\circ} 05' E. 5.00$ ch. = $(330.00$ ft) to " 9^o = 4
" $N. 40^{\circ} 40' W. 4.82$ ch. = $(313.12$ ft) to cor. 9^o = 1

623.04
488.
335.04

Ex. Req. pipe line locⁿ. — Req. at pt on
N. boundary - cor. 2 bears $N. 74^{\circ} E. 1.70$ ch.
thence $S. 5^{\circ} 30' E. 463$ ft, on to pt.
to S. boundary - cor. 5 bears $N. 81^{\circ} 39' E. 53.5$

Copy of Map - Gila Pueblo Rd.

00 = Center of south end bridge
S. 26° 14' E

93.24 - Intersect of road to S.W. (Ice House)
Δ 119° 17' also Veg. of curve to R

+93.88 Tangt.

187.12 P.I. Δ 14° 56' R 716.3

+93.88 Tangt.

281.00 E.C.

218.00 S. 11° 18' E

499.00 P.C. to L.

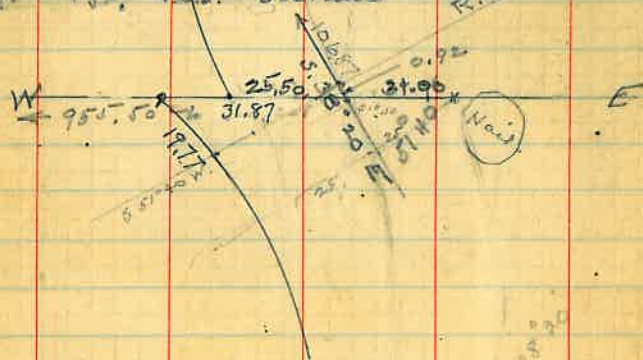
105.95 Tgt.

604.95 P.I. Δ 27° 02' L - R. 440.3

105.95 Tgt. S. 38° 20' E.

710.90 E.C.

0.92 Tgt. Pat. Sec. line R.



Copy of County Map

Gila Pueblo Rd. Ct.

0+00 = Center S. end of bridge
S. 26° 18' E.

93.24 P.O.T. Ice House Rd. P.O.I. (Terk of roads)

165.34 = P.I. Δ 15° 00' R. 716.3 Tgt. 94.30
L.C. 187.53
S. 11° 18' E

438.6 P.I. to P.I.

603.94 P.I. Δ 27° 02' L. R. 440.3 Tgt. 105.95
L.C. 207.75
S. 38° 20' E.

106.87

710.81 P.I. with Sec. line Δ 51° 40'

Ice House Canyon Rd.

0+00 Center south end bridge.
S. 26° 18' E

93.24 Δ 119° 17' (P.I. Δ 60° 45' R. 120. - T. 69.80)
S. 34° 25' W L.C. = 127.16

440.00 Tangt.

533.24 Δ R. 167° 25' angle to long chord

652.21 P.I. Δ 25° 10' - R. 532.96 - T. 118.97
S. 21° 50' W L.C. = 234.10

4232.22 Long chord. to pt. on sec. line

765.46 P.I. with sec. line Δ 68° 10'

105.95 57.25 Well & windmill

Forest Administration Site
in Sec. 1 - T. 1 S. - R. 15 E.

Reg. at a pt. from which cor. 7 = 3
of H.E.S. #100 (see p. 50) bears $S. 24^{\circ} 24' W.$
 288.85 ft., thence $N. 74^{\circ} 00' E.$ 447.2
" $S. 8^{\circ} 07' E.$ 158.8
" $S. 2^{\circ} 02' E.$ 143.3
" $S. 1^{\circ} 37' W.$ 180.6
" $S. 81^{\circ} 39' W.$ 446.5
" $N. 1^{\circ} 27' W.$ 422.6 to p.o.b.

containing an acre of 4.657 acres
Oct 2 - 40
J. M. & C. F.

Retracing H.E.S. #100 in Sec. 1. - (p. 74)

Tr. over Mon. 1. -

Run $S. 40^{\circ} 40' E.$ ($\Delta. 49^{\circ} 20'$ from sec. line)
 $49^{\circ} 17'$

174.45 - Stake set on east shoulder Road

$\Delta.$ to cross on rock top of hill 49.16
strikes 0.30 S. $7^{\circ} W.$

+ 143.97

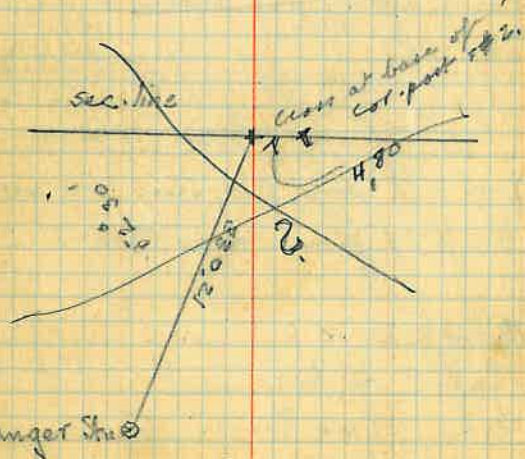
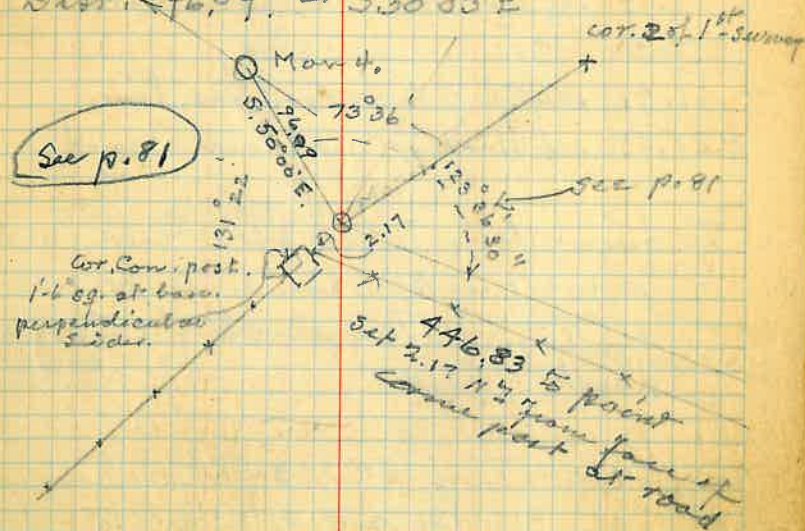
318.12 Rec. 318.12 to orig. stone

Stone marked $\frac{A}{HES 100}$ to N.

" " $\frac{4}{HES 98}$ to W.

" " $\frac{1}{HES 98}$ to S.

Set over old cross - stone th. sight on 1. -
R. $170^{\circ} 87'$ to stone N-1 Ranger Station
Dist. 96.09 - $S. 50^{\circ} 05' E$



Oct. 2-40

- 976.36 on Sec. line - pt. set on East side road
 987.30 East side line of road
 10.94 set stone for East side road
 987.30
 - 61.71 width of 50' road on Sec. line.
 925.59 set stone for west side road

Tr. over stone west side Gila Pueblo Rd.
 Δ west on Sec. line L. to pt. set
 at N.E. cor. Ranger Sta. $115^{\circ} 03' 30''$
 (S. $25^{\circ} 03' 30''$ E)
 Dist. 194.47

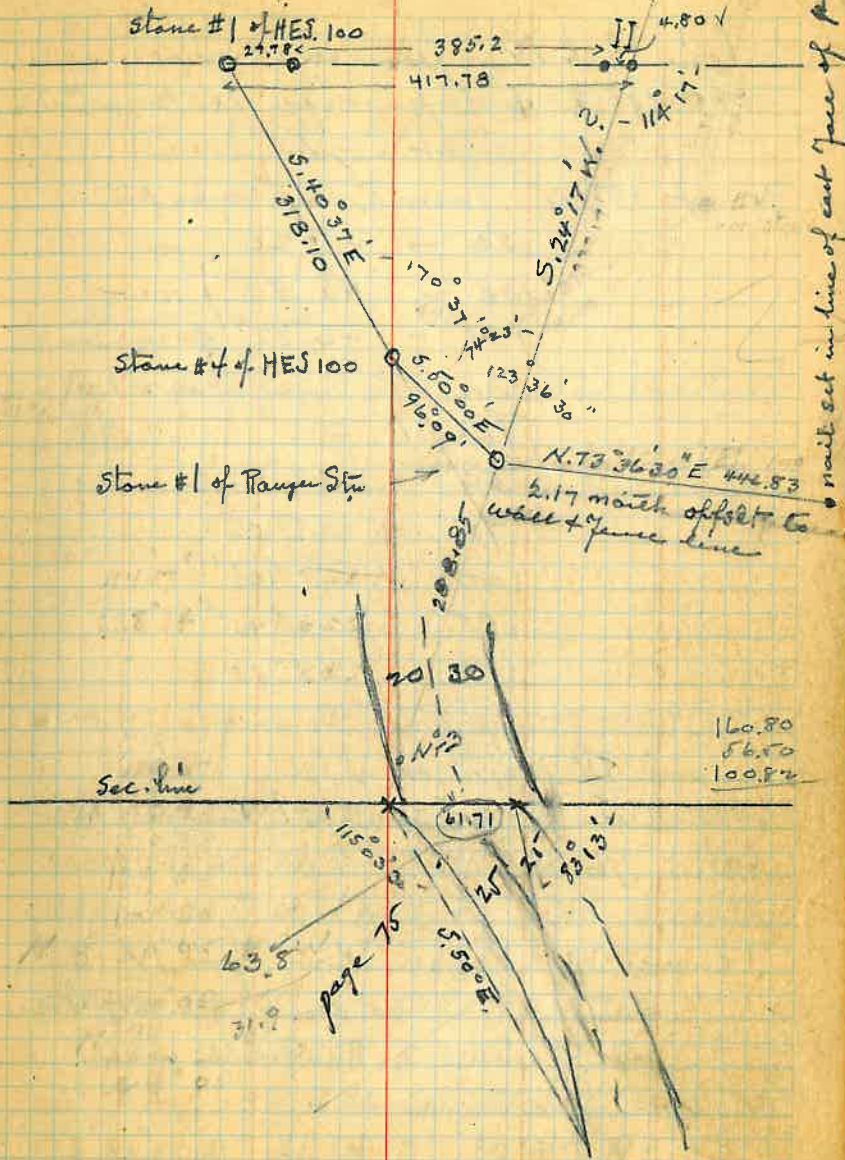
Tr. at N. cor. Ranger Sta. sight on Ranger
 Sta. 90' - Δ R. $81^{\circ} 23' 30''$ to
 stone set west side Gila Pueblo
 Rd.

Nov. 11 - 40

Re Set Mon # 2 on Sec. line by mens.
 417.78 from Mon # 1.

Tr. over Mon # 2
 Δ from E on Sec. line R. $114^{\circ} 17'$ to
 Mon. # 1 on Ranger Sta.

Page 52



Line I to IV. from cor I, near
188.85 to $\frac{1}{2}$ of paving, Ice House Cor'd.
sight on I

Tr. at 188.85 Turn R. to center pt.

50 - $45^{\circ}20'$
100 - $45^{\circ}53'$
144 - $46^{\circ}32'$ pt. on Sec line

Turn L. 2°

50 - $222^{\circ}42'$
75 - $222^{\circ}56'$
100 - $224^{\circ}08'$
125 - $226^{\circ}45'$
150 - $228^{\circ}55'$

Tr. over IV sight on I

Turn R. $170^{\circ}38'$ to #1 Ranger St.

Dist 96.08

Tr. over N:1 Ranger St. from IV

Turn R. $123^{\circ}37'30''$ along a line 2.17 N of
and parallel to Ranger St. wall.

Tr. over N:1 Ranger St.

$\Delta R 74^{\circ}23'$ to N:II $N 24^{\circ}18' E$

? Cor Stone set out 2.17?

Tr. over N:1 Ranger St.

$\Delta L. 131^{\circ}20' = 5.1^{\circ}25' E - W. fence line Rest.$

Dist 302.17 to N:2

Febr. 15-45

Retrace points on sec. line

711.3 - pipe fence post. + cut in con. base.

+ 4.8

716.1 + cut in granite boulder, N:2 - H.E.S. 100

+ 62.15

778.25 nail point

+ 180.63

958.88 nail point in Road

28.50

987.38 Stone set on E. side of road (989.30)

+ in stone is 3" N. of true line.

923.6 W^{ly} side line of road to south

955.5 $\frac{1}{2}$ of Rd. —

987.4 E^{ly} side line of Road to south

at 960.3 - from E. on Sec. line Turn

to R. $74^{\circ}50'$ - Dist - 184.8 to N.E. cor.
of Ranger Station

Levels over Lot 24 in North Globe

B.M.	6.87	3450.91		3444.04
N ^o 1			4.20	3446.71 ✓
			3.78	47.13
			3.85	47.06
			4.56	46.35
			4.56	46.35 ✓
<u>line 1</u>	9.59	56.30		3446.71
0			9.4	46.9
10 S.			9.1	47.2
20.			9.4	46.9
20			8.1	48.2
u			7.4	48.9
40			6.0	50.3
			8.1	48.2
			1.3	55.0
T.P.	8.70	64.71	0.29	56.01
60			8.7	56.0
			2.9	61.8
			2.5	62.2
N ^o 7			2.25	62.46
			1.5	63.2
			1.6	63.1
			1.9	62.8
20' line			1.4	63.3

Nov. 25 - 1940 J.M. & Ch. P.

South and Maurer's court.

top of steel
inside track
outside " "
Center
E of pass out

5 N.

10 S.

7 N

10.8

8 S.

12 S.

on Iron

10 S of N^o 7

10 E of 7

9 E of 6-7 line

19 E

	4.45	51.16		3446.71
20' line			4.4	46.8
			5.05	46.11
			5.10	46.06
			4.5	46.7
			4.3	46.9
			3.7	47.5
			3.3	47.9
			0.6	50.6
	7.45	54.16		3446.71
40' line			7.8	46.4
			8.32	45.84
			8.38	45.78
			7.9	46.3
			7.6	46.6
			7.1	47.1
			4.8	49.4
			4.7	49.5
			4.7	49.5
			0.0	54.2
30' line			7.1	47.1
			5.7	48.5
			5.	49.2
			7.23	46.93

edge of pavement

20 E

40 E

60 -

4' S. of 60 E

70 E

at 0

edge of pavement

20 E

40

60

70

80

85

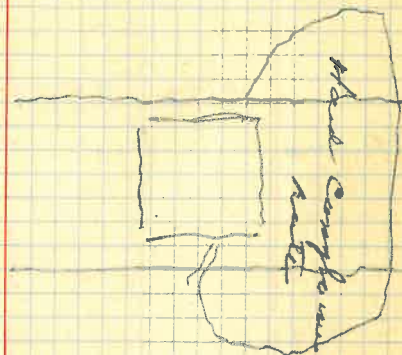
90

80

100

110

Concrete floor of wash house



	4.15	50.86	3446.71
80 line			5.20 45.6
			5.23 45.63
			5.25 45.61
			5.77 45.09
			5.67 45.19
			5.2 45.6
			4.9 46.0
			4.6 46.3
			3.8 47.1
			4.65 46.21
			4.83 46.03
	5.73	49.77	34 44.04
120. line			4.88 44.89
			4.91 44.86
			5.43 44.34
			5.17 44.60
			4.6 45.2
			4.5 45.3
			4.35 45.42
			4.34 45.43
			4.4 45.4
			4.1 45.7
			3.3 46.5
			2.2 47.6
			1.8 48.0

St 0

inside on walk

outside " "

Gutter

E of pass, at

20 "

40 "

60 "

80 E

floor of Service St. N

top of fill plug

N. mark.

inside of walk

outside "

Gutter

E of pass, at

20

40

S. fill plug

N. " "

60

80

100

120

134

160 line

49.77

5.80	44.0	
5.66	44.11	
5.90	43.9	2.5 E
6.17	43.60	11.0 E
5.8	44.0	
5.4	44.4	
5.20	44.8	
4.6	45.2	
4.0	45.8	
3.00	46.8	
1.8	48.0	
0.86	(48.91)	
6.34	47.43	
4.2	45.6	
4.3	45.5	
4.2	45.6	
4.0	45.8	
5.72	44.05	
6.17	43.60	

T.P.

5.15 54.46

4.43	50.03
2.84	51.62
1.70	52.8
3.65	50.81

0. on pavement
 E 4- pavement.
 edge of concrete pavement.
 edge of black paint

20 E

40

60

80

100

120

140

From 10 to 20 dist on curved edge of
 East side of Service St. 7th pavement

West " " " "

N.E. cor. Service St.

S.E. " " "

M.H. cover at last curve pt.

Service M.H. cover Broad & Murphy

M.H. cover at Miner road

No. 5

10 ft E

pav. nt 10 ft N of 5

54.46

160 line

8.80	45.66
7.33	47.13
3.00	51.46
4.8	49.7
3.6	50.9
1.4	53.1
0.8	53.7

T.P. 9.15 63.09

0.54	53.94
11.0	52.1
2.5	60.6
2.1	60.6

T.P.

1.5	61.54
10.2	52.8

on line

T.P. 4.70 66.24

4.1	59.0
1.55	61.54
1.55	

80 line

9.5	56.7
5.0	61.2
4.3	61.9

40 line

8.7	57.5
3.6	62.6
3.0	63.2

point of center meter
27.5 E of point of meter
end of pass - in line of center alley to S.

155

160

on 5-7 line
10 E

N=6.-

10 E of N=6

20 E " "

61 ft. S. along alley from N=5.6
on line

4 ft. east

12. east

on 6-7 line

6 E

16 E

intersect 6-7 line

10 E

15 E

		66.24		
T.P.	2.16	65.43	2.97	63.27
			9.43	56.00 ✓
	1.30	50.21		48.91
			5.25	45.6
			3.11	47.10
			0.40	49.80
140			1.9	48.3
			4.3	45.9
100			2.9	47.3
			2.1	48.1
140			1.5	48.7
	11.95	60.86		48.91
140			6.05	54.80
"			4.5	56.26
"			4.0	56.86

Par, pt edge opposite angle post
 opposite $92^{\circ} 4'$
 opposite w. post
 140 pt.
 100
 100
 115
 146

on $\bar{v}-l$
 3' E. of line $\bar{v}-l$
 11' E. of line $\bar{v}-l$

Sycamore & Fourth.

- Pt. faces on Manhole lid.
 + on manhole rim bears $N.22^{\circ}21'W$ 0.60
 + on manhole rim bears $S.22^{\circ}21'E$ 1.55

Sycamore & Third.

- + on M.H. rim bears $S.67^{\circ}39'W$ 0.14
 + on M.H. rim bears $S.67^{\circ}39'W$ 2.14

Oak & Fourth sts.

- concrete block. - bears pipe.
 + on W. face granite boulders
 $N.22^{\circ}25'E$ - 42.59
 Nail in Iron disk $S.66^{\circ}20'E$ 29.02
 + on cor. of con wall NE^y 72.45
 nail in disk SE^y - 29.02

Survey for Bob Manuel. -

Resurvey of lots 1-2-3-4 in Bl. 63
 into 3 properties. - See sketch \rightarrow

Febr. 1 - 1941

J. M. & Chas. P. n. 96

Fourth St

42.38

316.9

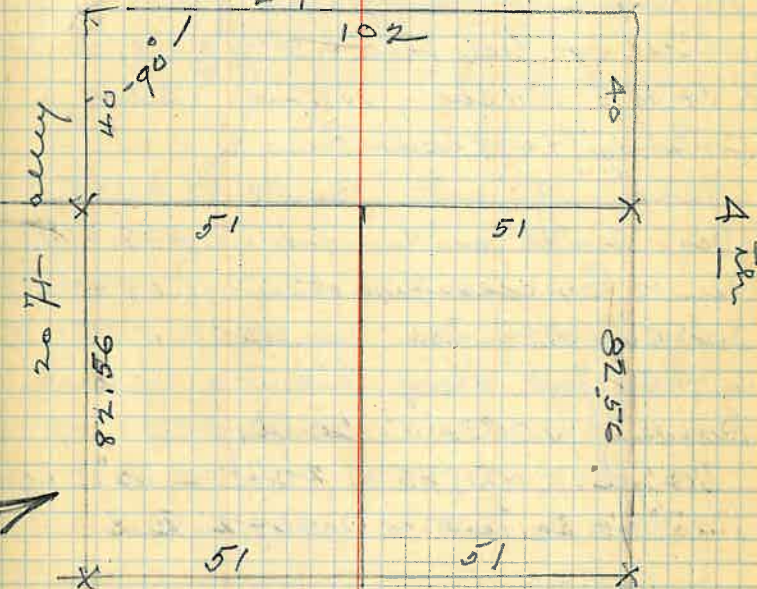
44.42	30.64						30.64
2	8	7	6	5	4	3	2
10							102
20	Bl. 63.						20
102	9	10	11	12	13	14	15
44.42	30.64						30.64

Oak
280.Sycamore
280.30.64
91.92
40
71.9230.64
4318.9
Third St.

122.56

40

82.56

Stewart's place.
fence

Sycamore

Portion of F. Hatler's H.E.S. (HES. 163)

for Mrs. Mary E. Wilson. -

Begin at corner N=2 HES. 163 which is $S. 1^{\circ} 10' W.$ 10.39 chs. (685.74) from SE corner of T.1N.-R.15E. - locating the tract in Sec. 2 T.1S.-R.15E. thence

$S. 1^{\circ} 00' W.$ 3.14 chs. 207.94 ft. to cor 3;

$S. 58^{\circ} 07' W.$ 7.30 chs. 481.80 to cor 4;

$N. 27^{\circ} 04' E.$ 4.54 chs. 299.64 to a pt in

ice house wash - blue granite boulder, from which Syc. tree bears $S. 34^{\circ} 30' E.$ 0.57 chs. 37.62 $N. 54^{\circ} 34' E.$ 5.11 chs. 337.26 to cor. 2. -

containing 1.498 acres m.o. l.

Also. (from Book 32-632)

Begin at a pt on line 5-6 of HES. 11298 (Frank Gorman Homestead) $N. 58^{\circ} 07' E.$

3.69 chs. (243.54) from corner 25; $N. 58^{\circ} 07' E.$

20 feet along line 5-6 of said Survey; $S. 31^{\circ} 53' E.$ 20 ft.; $S. 58^{\circ} 07' W.$

20 ft.; $N. 31^{\circ} 53' W.$ 20 ft. = 20 ft. square

= 400 sq. feet = 0.0092 @ 8.

Febr. 15 - 41

J. M. + Chas. R. n

Transit over SE cor. T.1N.-R.15E.

from Town line to E. (page 50)

turn right $91^{\circ} 10' = S. 1^{\circ} 10' W.$ -

measures

685.74. - Point corner N=2 for HES.

163. - This cor. as by deed is cor. -

over N=2, and beg. of this Survey. -

From corner N=2. - $S. 1^{\circ} 00' W.$

62.1 - point set at old fence

pipe post. - South side of road.

207.94 - set point = corner N=3. -

Frank Gorman's Homestead. B41-196

Begin at N=1 from which SE cor. of Sec 36

T.1N.-R.15E. $N. 64^{\circ} 30' W.$ 8.46 chs.

$S. 8^{\circ} 5' W.$ 5.0 chs. to cor. N=2; $S. 39^{\circ} 40' W.$

19.4 chs. to cor. N=3; $N. 81^{\circ} W.$ 7.04 chs.

to cor. 4; thence $N. 48^{\circ} 55' E.$ 7.76 chs.

to cor. N=5; $N. 58^{\circ} 07' E.$ 7.3 chs.

to cor. 6; thence $N. 1^{\circ} E.$ 3.14 chs.

to cor. 7; - $N. 49^{\circ} 40' E.$ 10.37 chs.

to cor. N=1. - = 9.48 @ 8.

March 9 - 41 -

Tr. over N=2 (M. 98) Right on N=3

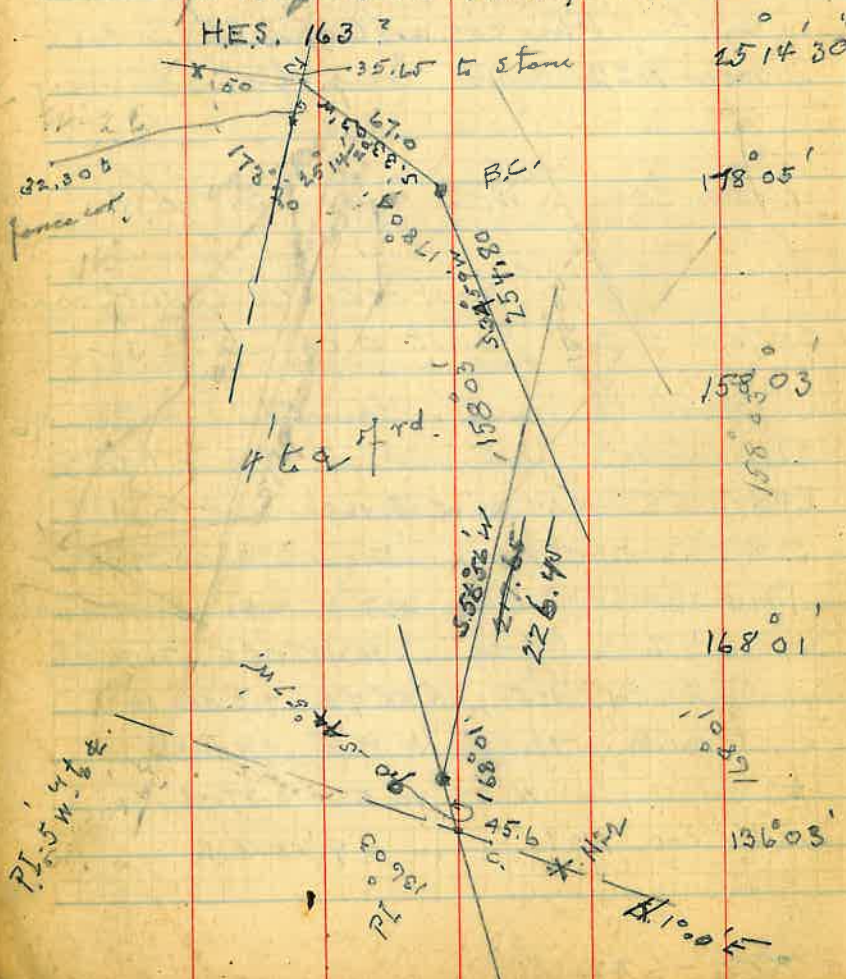
Δ R. 53° 34' - 337.26 to N=5.

Γ A R 152.120 299.61 to N=4

Shikes 1.40 L and 2.30 Southish.

of orig stone HES. 98 and

HES. 163



N. 58° 07' E

X 2704'

31° 03'

299.64
2985

2995

301.15

1140

995

1450

991

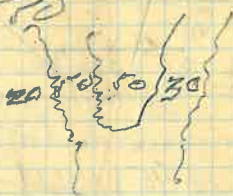
45.50

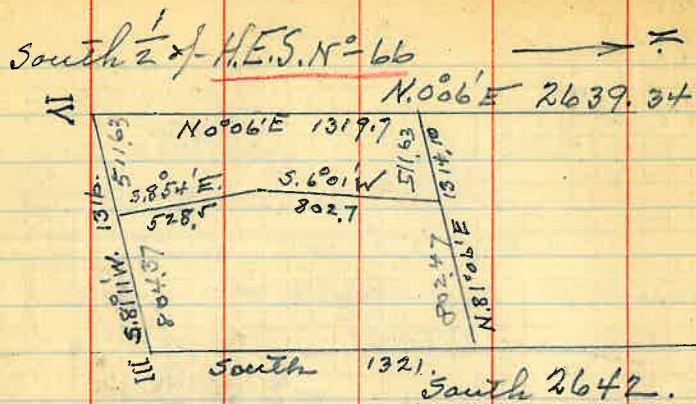
301.15

Sand 20 - 50

75 - 10 - 100

Shelk 25 - E + 60 W





Survey and subdivisions of South portion of HES N^o 66 - in Section 12-15-R15E;

Run S. line of HES, 66 by stones for orig. corners III & IV.

110. - East bank of creek

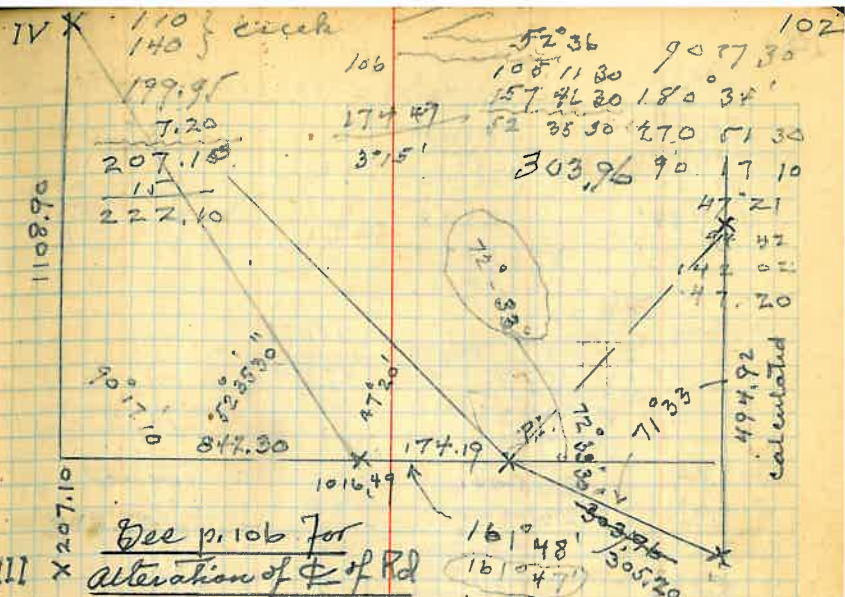
140. - W " " "

207.10 Center of 30 ft wide Road

222.10 Fence - W. side Road

222.10 East face pipe post = corner

For C. W. Baumgartner.



Trial line of E & W centerline, HES, 66

Run by N.W. cor. of S $\frac{1}{2}$ and X

found past at Road. -

This line strikes to north of fence at old Indian ditch.

from pt in road near East 376.60

20 } creek

50 }

130.90 point.

+ 376.60

507.50 Calculated

376.60

196.44

180.16

$72^{\circ}33'$
 $71^{\circ}33'$
 144.06
 179.60
 $35^{\circ}54'$

$35^{\circ}54': 72^{\circ}33' = 303.96ix$
 95398
 303.96
 72388

858582
 286194
 286194

2899717608
 234548

554237
 127733

1313.80

511.63

802.17

494.92

307.25

130.90

176.35

196.44

20.09

265046

234548

304980

293185

117950

108.3130

N. line to Road Cl. to S. $108^{\circ}31'30''$

58637

494.52

19.67 chs

66

11802

11802

129822

1321

22.78

5.81°11' W

90 17 10

171 28 10

179 59 60

N 8°31'50" W

S 8°31'50" E

161 47 30

170 19 20

179 59 60

N 9°40'40" E

S 9°40'40" W

108 31 30

98 50 50

179 59 60

81°9'10"

197.96

99233

59588

59588

39592

178164

178164

196741646

150000

989

989

5110

4945

1650

989

6510

197.96

7°06'

303.94

125

305.21

305.21

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Move P of road on N. line 4.06 to W.

22.50

1016.40

1039.10 - Tgt. N. to P.I.

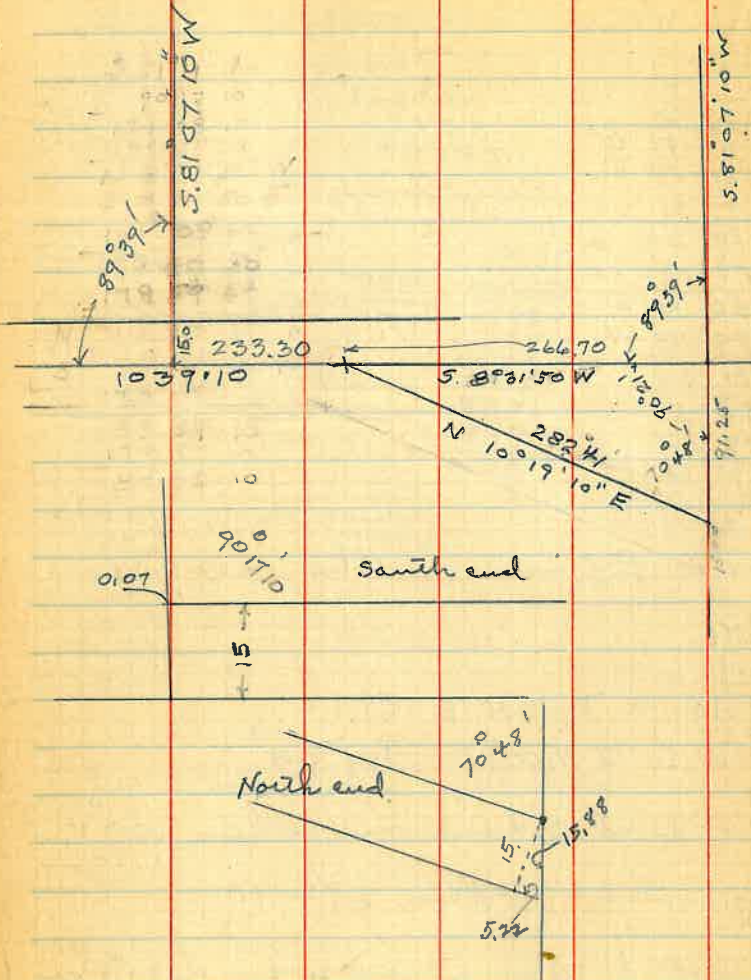
Δ L. to Tgt. N $161^{\circ}08'$

Δ L. at Road on N. line $109^{\circ}12'$

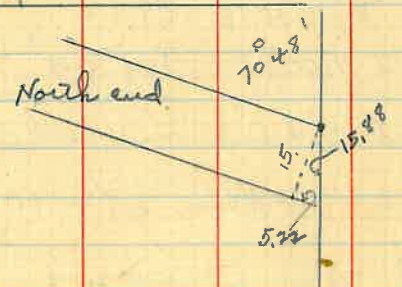
Tang. to P.I. to pt. of N. line 282.41

15.89 to N. line intersects W. line of 30 ft road

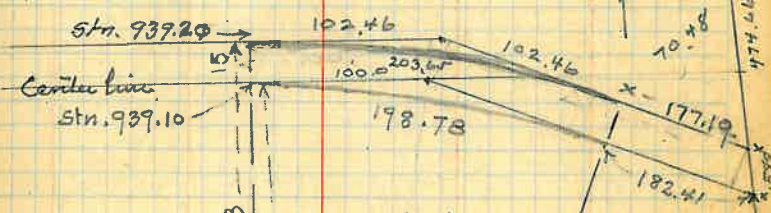
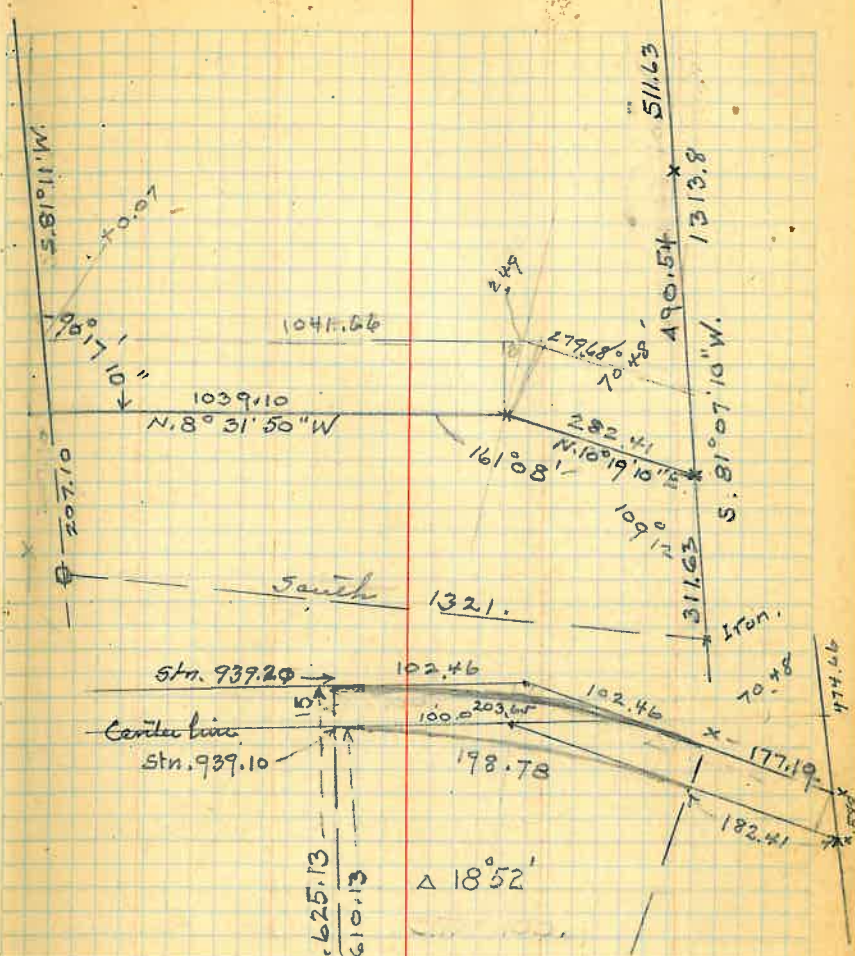
P.I. to curve 14.0



0.07
15
South end



North end



Curve along west
Side of road,
 $\Delta 18^{\circ} 52'$
 R. 625.13
 S.T. 102.46
 L.O.C. 203.65

Plot

Survey of Lot 1 - Bl. 98

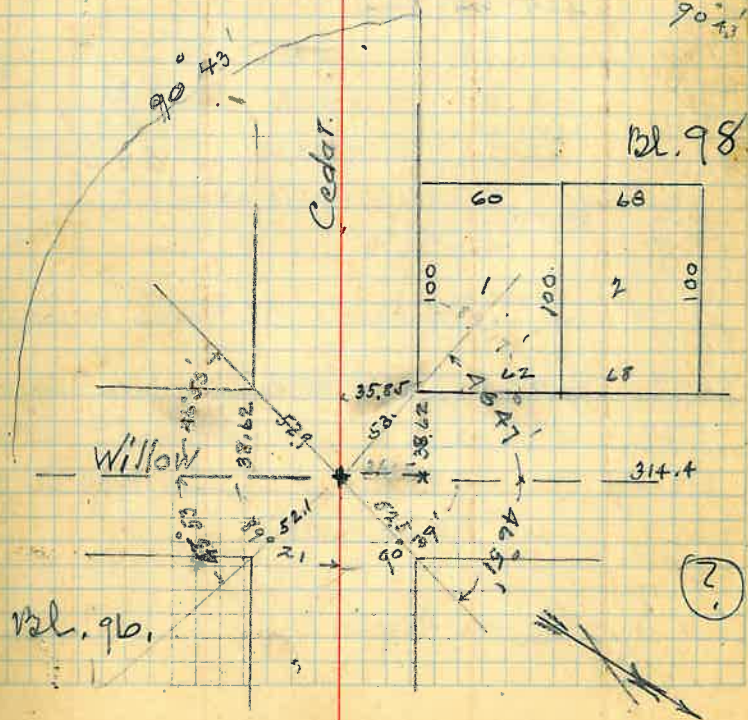
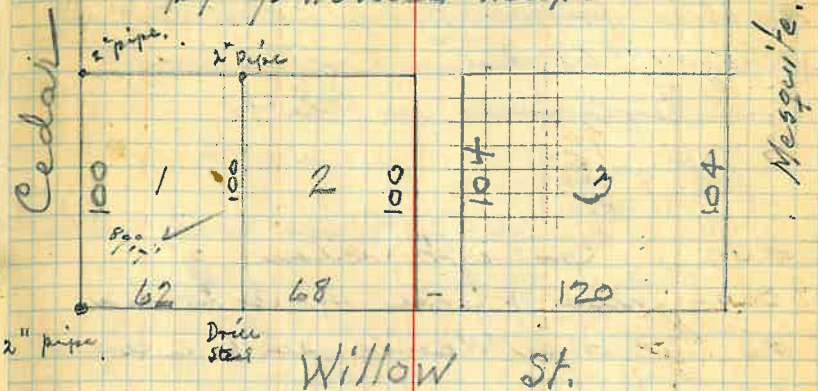
Globe Township,
 Jos. Caferris Pismo. Apr. 28 - 41
 J.M. - Ch. P.

Find center pt. intersections at
 Cedar and Willow. - Oak and
 Willow and Cedar and Pine,

N.W. and S.E. angles - Cedar + Willow - $89^{\circ}17'$ -

Bl. 98

Copy of Abstract map.



May 1st 41

For James Mallott. Measures -
ments of fences along East St. and
along 1st St. betw. Cottonwood
and Sycamore. in Bl. H.

1st street.

0+00	center pt. Cotton	
30.0	line of fence - N. side Cotton	
<u>50.</u>	Thence N.W. along walk from corner	
56.5	Fence.	
<u>44.1</u>	abt lat line	
100.6		
48.8		
<u>149.4</u>	Fence.	30
46.8		<u>326.9</u>
<u>196.2</u>	Fence.	356.9
48.9		
<u>245.1</u>	Fence.	
51.8		
<u>296.9</u>	Fence. at Syc.	
(<u>7.4</u>)		
<u>304.3</u>		
296.9	Fence S. side Syc.	
+ 30		
<u>326.9</u>	of Syc.	

From Stewart's Tiers.

Cottonwood + 1st Head of bolt in Bl. paper nt.

+ on sidewalk curb N. 54° 46' W 36.54

+ " " " " N. 23° 45' E 29.56

+ " " " " N. 3.67° 47' E. 29.40

+ on M.H. rim N. 67° 42' E 2.39

+ " " " " S. 67° 42' E 3.56

Cottonwood + East - Steel in ground.

+ in M.H. rim S. 42° 31' W 6.80

+ in SE side of Con. wall N. 80° 05' W. 45.20 ?

+ in SE " of Con. wall 14" above ground
N. 28° 51' E. 39.29Syc. + 1st St. Rivet in Bl. Paper nt

+ on M.H. rim S. 22° 21' E 0.24

+ " " " " S. 22° 21' E 2.25

+ on sidewalk curb S. 83° 51' E 35.04

+ " " " " S. 28° 07' W 27.73

Syc. + East Sts Copper pin in drive steel.

+ on sidewalk curb S. 24° 58' W. 32.47

+ " " " " N. 20° 07' E 35.67

+ in M.H. rim S. 69° 26' E. ?

Cottonwood. - $1\frac{3}{4}$ st. west.

112.6	Fences,
+ 114.4	old wall to North.
<u>227.0</u>	old wall to N. = 30 E. of ϕ
3.2	of East st.
<u>330.2</u>	W. face new wall to N.

East st. -- East side.
N.E. cor. = 30' feet E. + 24.0 ft. N.
of center line

From N.E. cor. run N. along st. line

53.3	Wall, div. of properties	
+ 50.8		
<u>104.1</u>	" " " "	24.0
48.0		<u>329.3</u>
<u>152.1</u>	" " " "	<u>353.3</u>
49.1		
<u>201.2</u>	" " " "	
46.5		
<u>247.7</u>	" " " "	
54.7	Face of wall	
<u>302.4</u>	Face of wall on E. side.	
26.9		
<u>329.3</u>		

279.3

24.5

 303.8

Warranty Deed:

Pedro Aragon to } B. 52 - page 8.
Lillian May Sanders. } Dated Oct. 24 - 1935.

That certain lot, piece or parcel of land
in SE $\frac{1}{4}$ of SE $\frac{1}{4}$ - Sec. 26, being portion of
Ch. Breitenstein's H.S. of SE $\frac{1}{4}$ of SE $\frac{1}{4}$ Sec. 26.

B. 16 - p. 145.

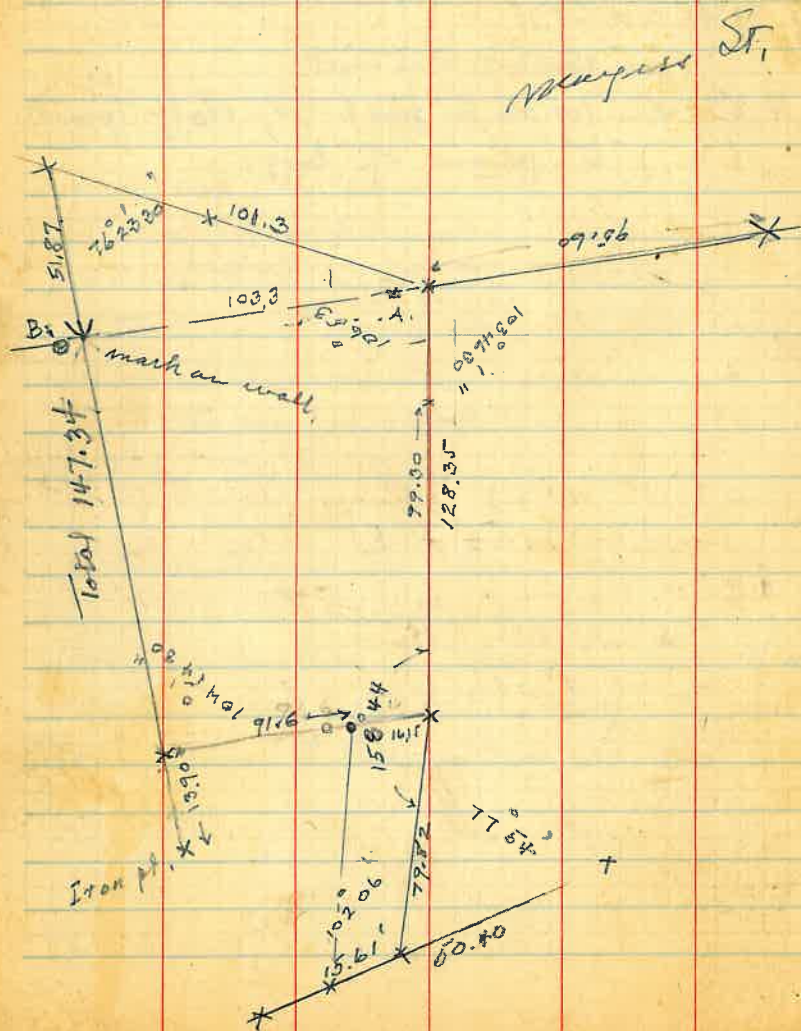
11-152
Beg. at cor. 7 of Herman Wolf tract, thence
N. 75° 30' W. 84.56 to point on 7-8 line
S. 24° 40' W. 90 ft. m.o.l. to Rudy Wolf's cor.
S. 12° 28' W. 16.16 m.o.l. along Rudy Wolf's line
S. 80° 23' E. 128.75 m.o.l. " " "
to point on 6-7 line
N. 2° 17' W. 100 ft. to p.o.b.

Correction by closing survey,
from abstract built up of
Chas. Breitenstein to Herman Wolf. -13-
Herman Wolf to Rudy Wolf. 17-145
Pedro Aragon to Lillian May Sanders. 33-98
52-8

Description as by closing calculation.

Beg. at cor. #7 of Wolf Tract. thence
N. 75° 30' W. - 84.56 on line 7-8.
S. 23° 51' 20" W. 91.19 to cor. of Rudolph Wolf land.
S. 12° 28' W. 16.15 " " " " "
S. 79° 41' 8" W. 128.35 " " " " "
on line 6-7, Wolf Tract.
N. 2° 17' W. 101.06 on line 6-7 of Wolf Tract
to place of beg.

"A" post 2.30 NE³ of pt. set
 B. pipe post. 1.4 KE⁴ of mark



76° 33'
 142 49 00

$$\frac{147.7}{4} = 147.34$$

Less 13.90 to pipe plug set in cement.

147.04
 51.87
 95.17

101 55' 20.48
 101 54 30

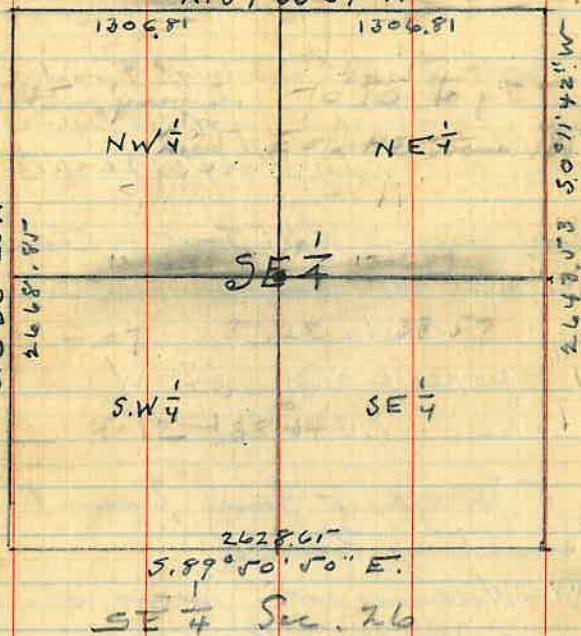
87.50
 35

East line Cemetery Road
 By points set for Stewart's Survey of Rudy Wolf's property.
 Pipe post - Wolf Tract & Cemetery Right for line - abt. 24' short in distance.
 1" pipe & cap, 3 ft W stake 1.4 West.

5 ft. offset line from E side Cemetery Road
 Rate Williams cor. meas. along

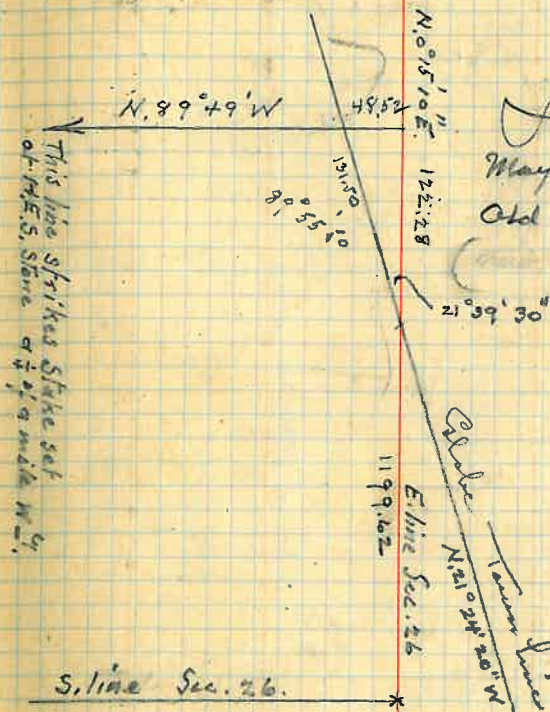
5 ft. offset line
 100 - to Rudy Wolf S.W. cor.
 + 50.4 " " " N.W. " "
 150.4 N. 19° 29' E
 + 15.32
 165.72 angle pt. to " " " N. 19° 29' E
 114.61 + N. 19° 13' 00" E
 + 115.78
 230.46

N.W. cor. of SE $\frac{1}{4}$, of SE $\frac{1}{4}$ =
 SE cor. of NW $\frac{1}{4}$ of SE $\frac{1}{4}$ - Survey July - 1912
 Book 8 (old number 9) Globe Transit Book, p. 109
 Homestead Stone at SE cor. is 1.16 W. and 0.65 S. of
 corner. (was a stake set by Engr Hopkins)
 N. $89^{\circ}35'07''$ W



Copy of O.D. Map.

H. Globe Latitude $33^{\circ}24'07.2''$ J.M.
 Tan 9.8191678 Cot. 9.9215843



J.M. Survey
 May 24 - 1912.
 Old Book 14: p. 83.

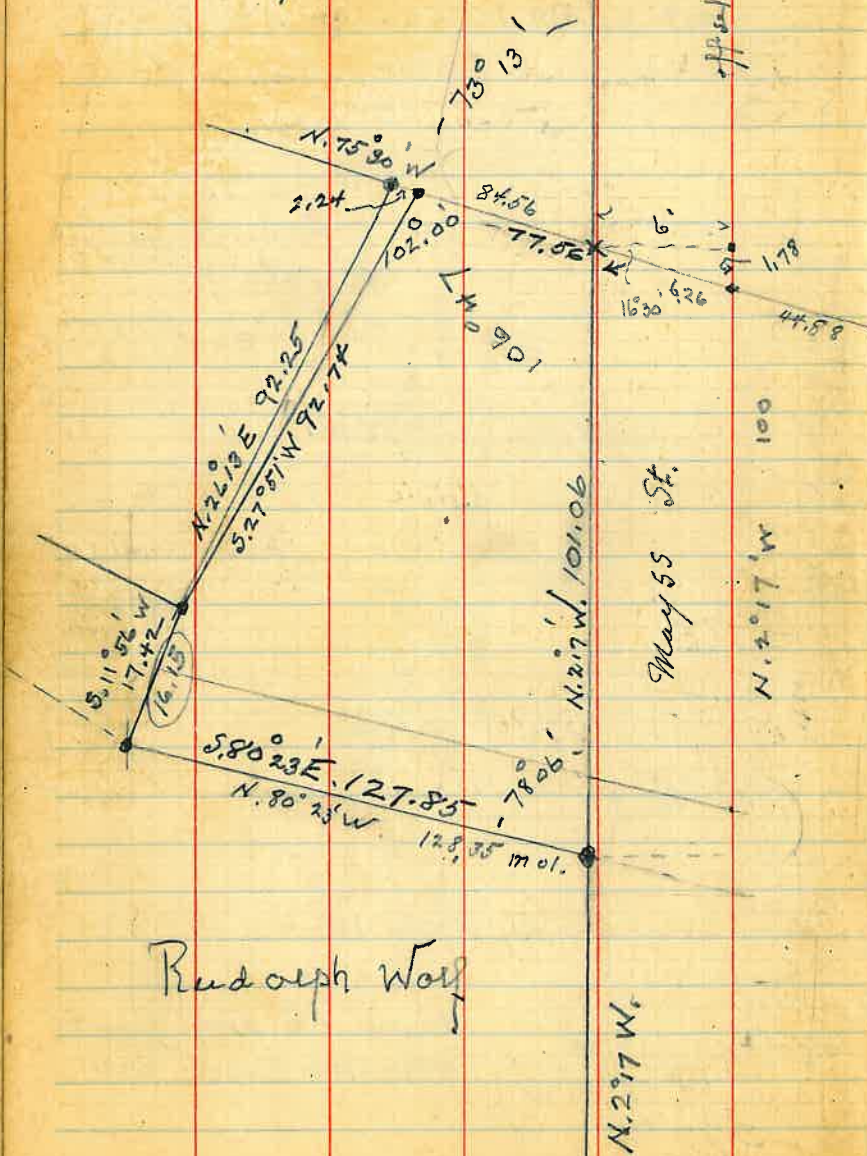
12.21
 131.50
 15.21
 170.29

Polaris Observation July 30 - 41 (11.30 P.M.)

West. $91^{\circ}09'$
 Observation $1.13.30$
 S $89^{\circ}55'50''$ W
 Rec. N $89^{\circ}53'$ W
 Diff $0^{\circ}11'30''$

Mass. NE. along front
 of Cemetery Road 0.46

121 Pl. an Feide Meyer 44.88
 V a wall = 1.61 from cor. and
 is 1.06 sty of true corner.



Rudolph Wall

6.26	44.88	44.88	122
4.65	6.26	6.26	51.14
1.61	84.56	99.56	"
84.56	135.79	150.70	= 151.17
		4° 15'	

131.23	131.23
5.50 = 130.94	99.776
	78.738
	91.861
	91.861
	118.107
	130.9360

130.94
51.14
<u>79.80</u>
84.56
<u>79.80</u>
4.76

Ethel May Marshall

S. 75° 20' E
102
<u>S. 26° 30' W</u>
99.56
15
<u>84.56</u>
7
<u>77.56</u>
2.24
<u>79.80</u>

84.56	79.80
79.80	77.56
4.76	<u>2.24</u>

City of Globe -

Loc. of sewer on 6th Street
in East Globe Township and
Josephine St. in Duncan Add.
Mar. 1 - 1941.

Center pt. Maple & 5th.

Drill steel in post.

Cross on face of and Con. wall N. 22° 25' E. 42.60

File plug S. 66° 17' E 40.79

Con. block brass tube, 8' below surface N. 67° 42' E 30.00

Maple & 6th.

Concrete block.

Nail in light pole N. 68° 41' W 35.09

Cross on top dacite stone N. 74° 53' E 22.94

Elec. light pole N.W. 31.11

line on inside wall on E. of maple 28.1

(back 23 to mail)

Maple St. Extend east from
E to west.

Tr. at 6th meet East along E.

443.95 ft.

+ 285.64

444.00
1° 35'

729.59 ft.

+ 45.11

774.70

774.80

Leave pt. sec. line
Pt. on sec. line

Sec. line.

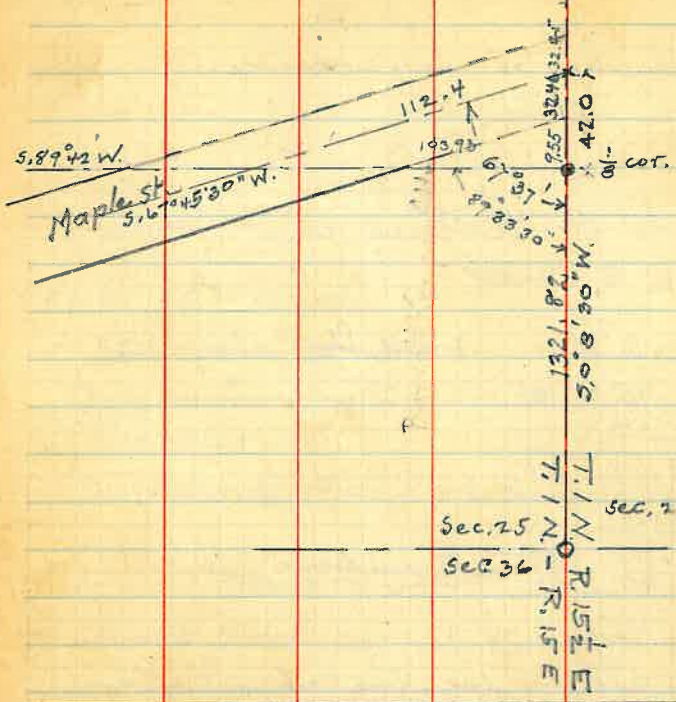
Extend pts. on sec. line along W. line
of Barrett Keegan addn from
E of Ash st.

56.48 ft. on N. bank. pipe 0.30 W. 60.5
21°

+ 454.23

510.71 Intersects sec. line.

Δ. S to W = 67° 37'



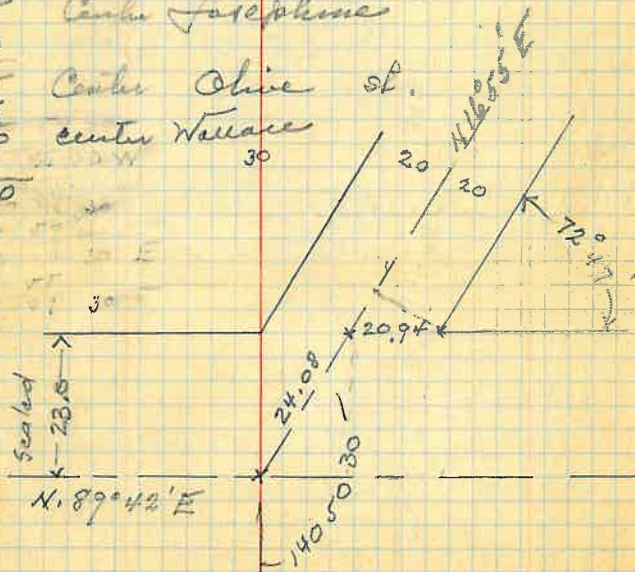
N. along Clarence St.
 82.36 run named street
 + 289.85
 372.21 N.E. cor of Duncan addⁿ

Distances along Maple St. Center line.

6 th Center pt.	}	280.0
7 th " "		
Sec. line.	}	494.8
		774.8

(According to plat)
 Pt. West along S. line Duncan addⁿ

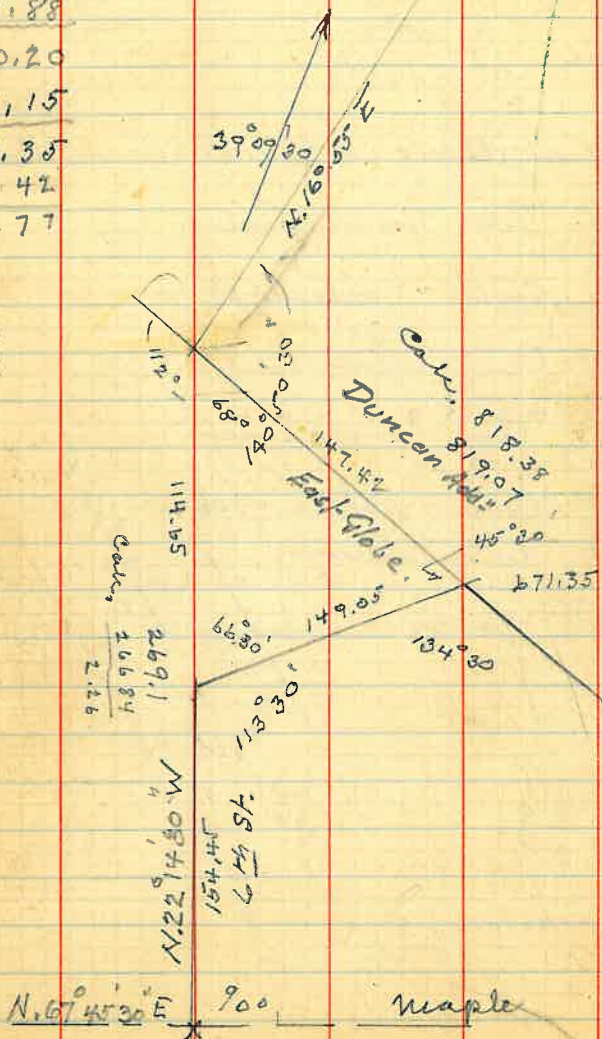
122.25	City limits line
+ 105.31	
227.56	Center of Adams St.
+ 303.89	
531.45	Center Jefferson
+ 287.90	
819.35	Center Josephine
+ 287.90	
1107.25	Center Olive St.
175.95	center Wallace
1313.20	
1914	
1332.60	



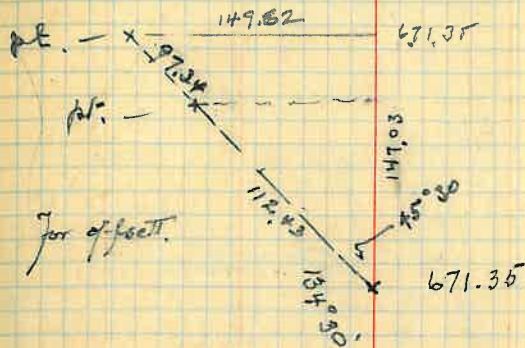
From $\Sigma \frac{1}{8}$ cor. area. 5,8942 W

72.32 pt.
 + 257.88
 330.20
 + 341.15
 671.35
 147.42
 818.77

154.45
 114.65
 269.10

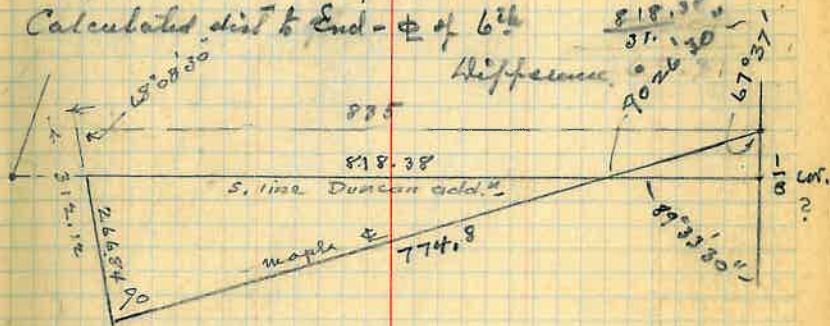


112.43
 36.62
 149° 05'



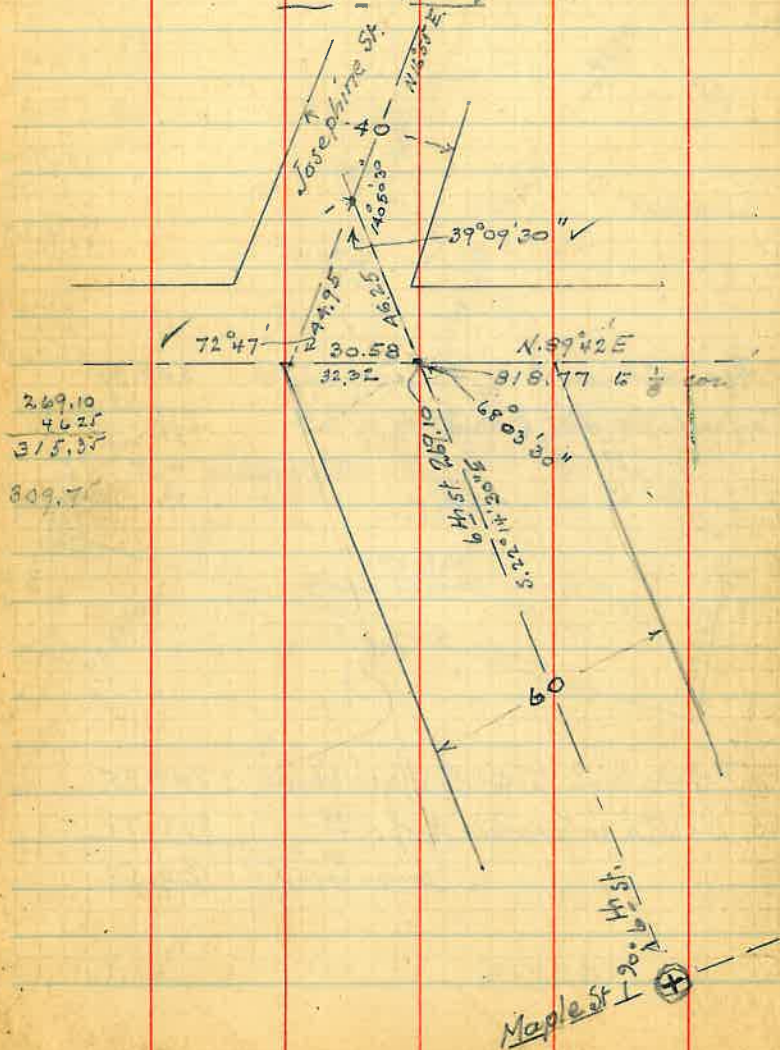
786.04
 671.35
 114.69

Rec. distance to Φ of Josephine St. 849.35
 Calculated dist to End - Φ of 6th 818.38



Total Dist to Φ of Josephine 849.35
 Meas. Dist to intersection Φ of 6th 818.77
 (over lap)? 30.58

Dist for sewer in Dms addⁿ 222
 to 1st house is 22 ft in st.
 to 2nd " " " 20 " " st.
 Total dist 272 ft. from end 6th st.



As point 6th + maple. 1st.

0+00 CP

1+05 Manhole locⁿ

6th st.

X 3+1035 Δ.R.

= 0.0

X 225 Josephine

X

Maple.

Transect at 5th pt. south of 6th CP.

Δ L. 92° 06' to manhole. 142.50

Depth of manhole 3.75

Surface elevation over proposed
sewer - Maple - 6th + Josephine St.

B.M.	10.49	110.49		100.00	
			14.24	96.25	
142.5 = 0+00			1.60	108.89	
T.P.	13.03	123.39	0.13	110.36	
+ 150			9.61	113.78	192.5
1+00			3.34	120.05	242.5
T.P.	11.76	134.33	0.82	122.57	
1+50			8.37	125.96	292.5
2+00			3.20	131.13	342.5
B.M.			3.09	131.24	
T.P.	7.63	141.45	0.51	133.82	
+ 50			6.65	134.80	392.5
+ 64.1			6.13	135.32	406.6
+ 86			5.90	135.55	432.5
3+15.35					
= 0+00			8.74	132.71	457.85
			5.10	136.35	
0+50	+ 65.3		5.75	135.70	507.85
			3.60	137.85	
1+62			4.20	137.25	520.
1+00	4+15.3		2.67	138.83	557.85
+ 50	5.95	146.35	1.05	140.40	607.85
2+00	5+15.3		4.70	142.15	657.85
+ 25	5+40.3		3.15	143.20	682.85
B.M.			2.57	143.78	

142.5
315.35
422.5
582.85

142.5
364.1
506.6
649.1

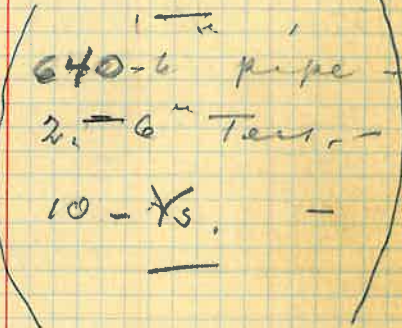
142.5
315.35
467.85

10.49
3.75
14.24

Manhole ring on Maple betw. 5th + 6th
Manhole sewer - top of 6" pipe.
Manhole locⁿ on 6th

(Lamp hole) 0+57.5 - Gr. elev = 99.46

Head of curb on South



edge of road
edge of curb
Man hole locⁿ
Rd. elevⁿ
Rd. elevⁿ

457.85
137.71
320.14
682.85
143.20
539.65

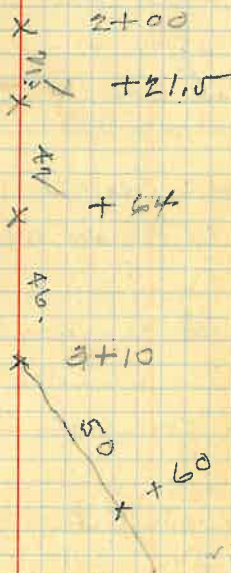
cot. stone low grade wall

	Surface	Grade	Cut.
0+00			
0+57.5			lamp hole
1+42.5	0+00	108.9	105.00
+92.5	+50	113.8	110.53
2+42.5	1+00	120.0	116.06
+92.5	+50	126.0	121.59
3+42.5	2+00	131.1	127.12
+64	+21.5	129.50	man hole
4+06.6	+64	135.3	130.77
+57.85	3+10.9	132.5	132.29
5+07.85	+60.9	135.7	133.78
+57.85	4+10.9	138.8	135.27
6+07.85	+60.9	140.4	136.76
+57.85	5+10.9	142.1	138.25
+82.85	+95.9	143.2	139.0
B.M.	9.07	140.31	131.24
3+64	5.02	140.52	129.50
3+77.5	7.42	144.58	133.66
		0.78	143.80

To page 139.

V.S. on 6th St.

0+30 R.	
+79 R.	12+21
1+89 R.	2+64
+95 R.	46
2+44.5 - M.H.	3 10
0+60 - R.	140.31
0+71 M.	125.5
0+60 - R.	4.81
3+42.5 1+00 - R.	75.0
1+42.5 +80 - R.	312.5
2+23 - R.	
2+25 end	



100.31 = 1106
35
75.00
35.31
35.71
71.0

535.9

3+10.9 264.10
2 21 46.15
1+32.9 310.25

137

Bundick - Mollie.
portion lot 5 in Sec. 1

Tr. over stone of Townline and
East side Six Shaker road
Right on E cor to E and turn
R.A. 83°15' to a pt. set 2 ft off set at
SE cor. Ranger St.

Dist 177.65.

Tr. at 2 ft. offset pt. at NE cor. Ranger
& Cor. stone N-1 of Ranger is 2 ft N.
of concrete post. = 99°40'?

Tr. at No 2 of HES 100 - from East
RA 114°16' to stone, N-1 of Ranger.

Dist $\frac{336.40}{7'00'}$ = 333.9 at 2 ft = 333.12

99.40 138

334.40

 $\frac{334}{7'00'}$

99.25

334.4

397.00

397.00

297.75

297.75

301.892

303.9

114°18'

114°19'

83°15'

228-33

104 16'

83 18'

126 22'

From page 138		Station by Street	Surface	Grade	
					144.95
					134.75
					10.20
3+42.5	2+00		131.1	127.12	
+6.4	+21.5			129.55	144.89
+77.5	+35.0			131.05	136.25
4+06.6	+6.4		135.3	131.87	8.64
	¹⁰				
5+57.85	3+10.35		132.7	133.25	144.89
	⁶⁰				137.75
5+07.85	+60.35		135.7	134.75	7.14
	⁰				
+57.85	4+10.35		138.8	136.25	144.89
	⁶⁰				139.25
6+07.85	+60.35		140.4	137.75	5.64
	¹⁰				
+57.85	5+10.35		142.1	139.25	144.89
	³⁵				140
+82.85	+35.35		143.2	140.100	4.89
<hr/>					
			Grade		
2+35.5			131.1		

140.52		127.12
3.58		3.87
136.94		130.99
7.95		
144.89		
1.15		
143.74		
<hr/>		
100:22 = 1106: x		
	11.06	2212
	13.5	2212
	33.18	2433.2
	1106	127.12
	143.74	129.55
	129.55	179
	130.99	131.04
	.02.94	.0294
	46	29
	1764	2642
	1176	588
	1,3524	131
		131.85
900	100:	29
3,900	100	03
	0.03	87
		138

For James Heron.

Nov. 4-41

Ash & East Street

Brass tube in concrete pavement

- + in curb N. 31° 58' E. 34.63
- + in curb S. 24° 01' W. 29.67
- + in curb N. 76° 22' W. 34° 56
- + in M.H. rim S. 67° 42' W. 1.20

ash & Parker St.

Pt. is on MH cover

- + on MH rim S. 67° 42' W. 0.84
- + " " " " N. 67° 42' E. 1.43
- + in curb N. 69° 34' W. 29.52
- + " " " " N. 15° 49' E. 25.89

Monroe & Second.

pt. on MH rim

- + on MH rim S. 22° 18' E. 1.75
- + " " " " N. 22° 18' W. 0.40
- + on curb N.E. 34.50
- + on " N. 22° 14' E. 33.44
- + on " S. 67° 38' E. 33.60

Monroe & Fegan.

60.00

48.08

11.92

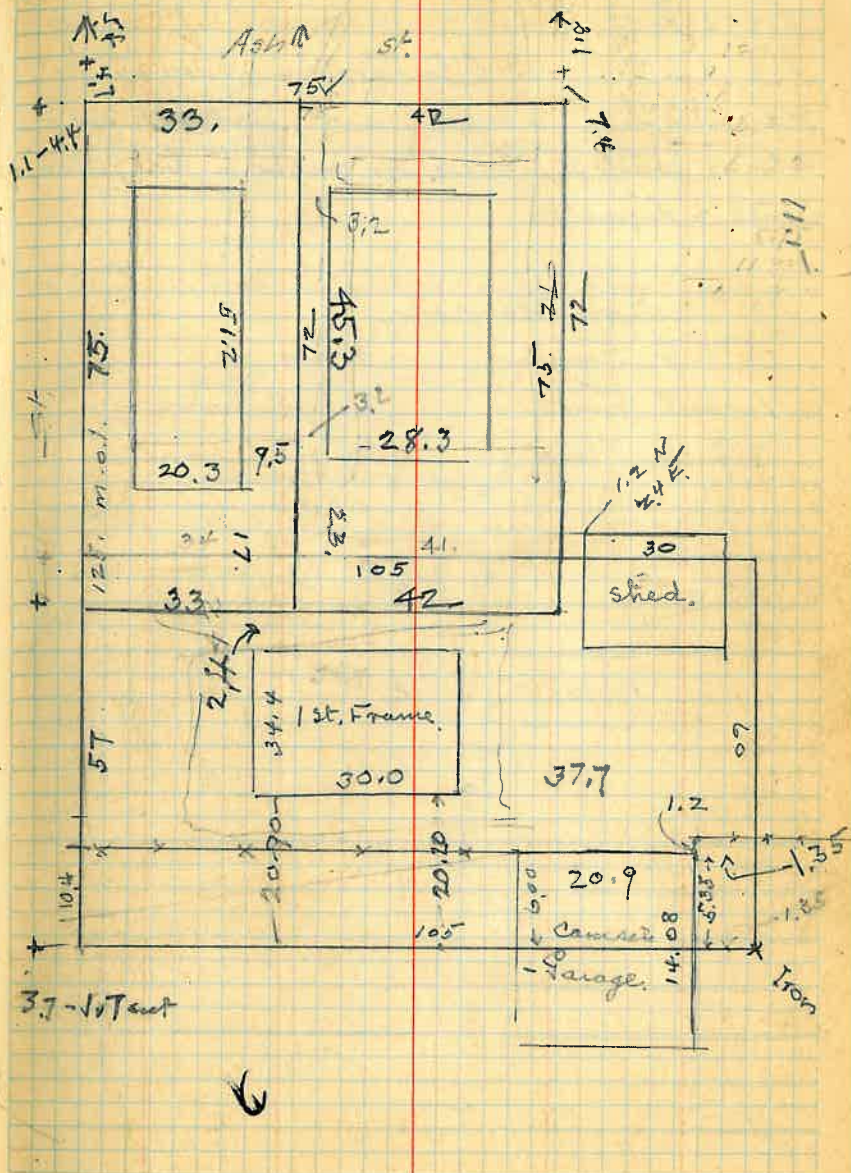
72

48.08

120.08

265.70 on Monroe

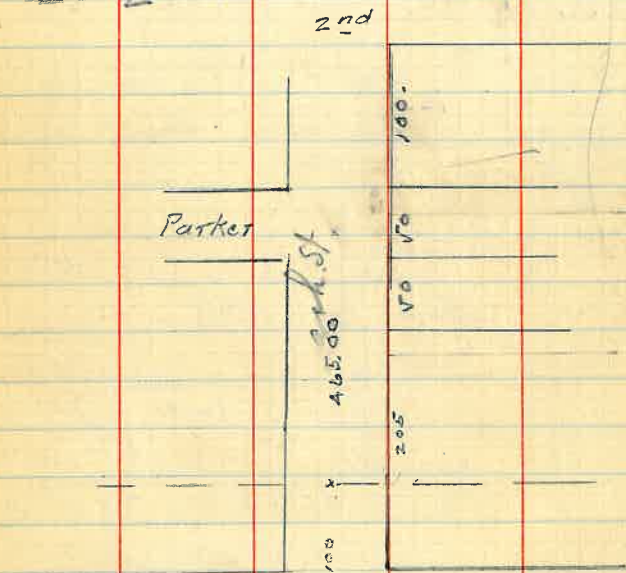
151.25 on ash



Ash & East St. }
 Ash & 2nd. } I locate from Stewart's
 2nd & 2nd } report, and find all in -
 2nd & South St. } correction angles to be 90°00'
 South & Fegan St.

Rec. dist. on Maurice.

2 nd to Fegan	300.00
Fegan to East	265.15 meas.
& to & Total	565.15



407
207

407.6 Dist on Ash - East to Parker
 Ash Street!

from E. line East St. meas East along
 curb

70.05 mark.

77.7 Joint in walk and line of fence to S.

151.2. " " " " " " " " to S.

200 abt. lot line to S.

260.4 " " " " " "

301.7 line of fence to S.

354.0 Joint in walk of west face of wall

406. line of fence to S.

453.5 " " " " " S.

N.E. property line is 4.57 N, + 2.5 E.
of lot cor.
+ cut in walk is 6 ft. N. of lot cor.

Summ M.H. at Yuma + High st.

M.H. - Summ 592.80

7.27

Pt. intersection S. line Bailey and
E. face corner wall.

7.82 E. of cor. wall + 18.56 N. of wall cor.

Δ . 56 W = $96^{\circ} 11' 7''$

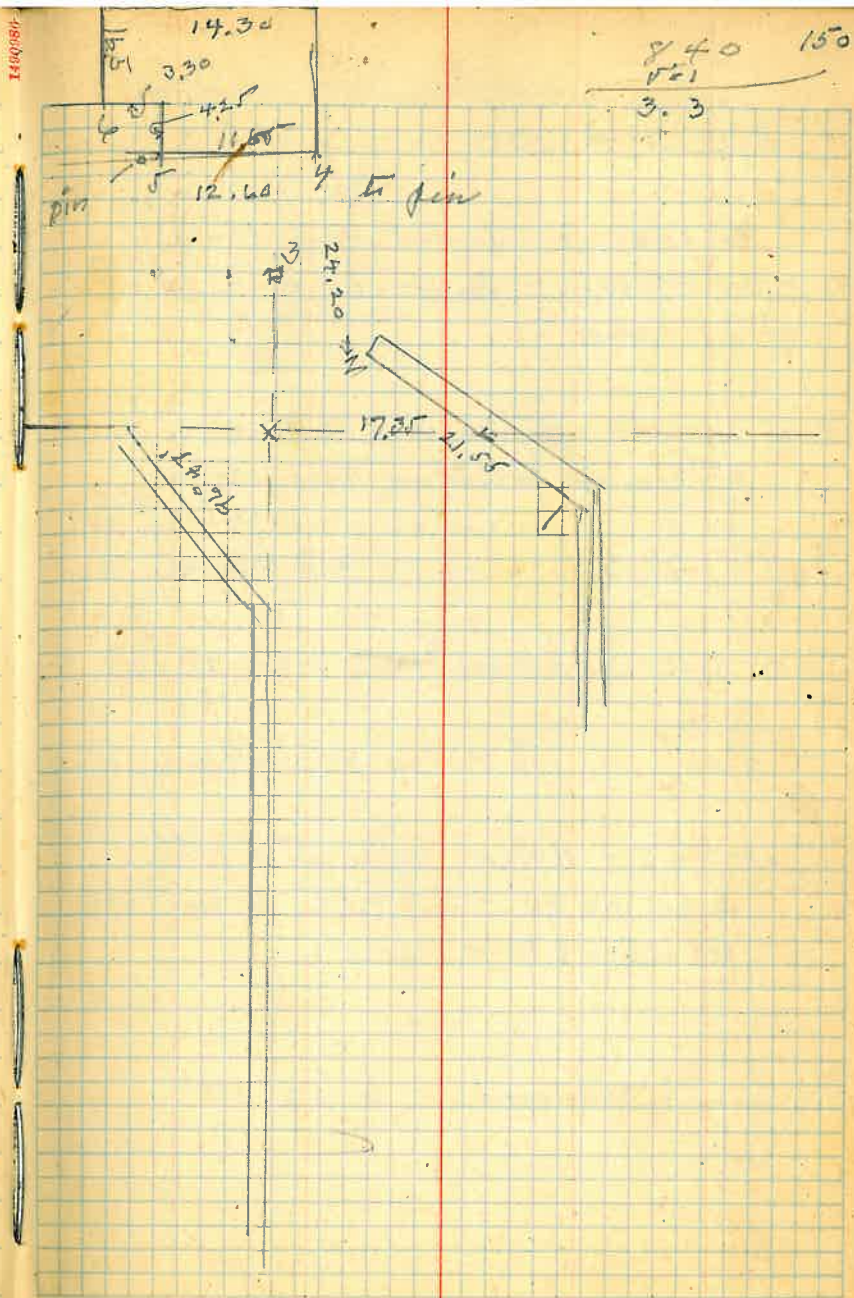
B. b. on E. face of wall

Deflection angles

1	R	$124^{\circ} 02' 1''$	27.10'
2	R	$56^{\circ} 38' 1''$	15.60
3	L	$1^{\circ} 28' 1''$	18.60
4.	R.	$7^{\circ} 15' 1''$	31.27
5	L	$14^{\circ} 26' 1''$	34.35
6	L	$14^{\circ} 40' 1''$	39.15

Pole	R	$118^{\circ} 15'$	20.30
F Plug	.	$81^{\circ} 04'$	17.36

152 21.55



Jan 17 - 44
H.E.S. # 100

Tr. at Mon. 3. - sight on N=2
 $\Delta R. 23^{\circ}38'$ - Dist 65.4 To S.E. cor.
at P.P. Road

Tr. at cor. set. - sight on N=3. $\Delta R. 44^{\circ}44'$ E
2nd - now set for SW cor. Dist 134.00

Dist from 2 to Mon. N=3 = 99.0 ft.

Tr. at N=2 sight on N=1 $\Delta L 112^{\circ}02'$
 $\frac{194.8}{- 4^{\circ}45'}$ to N.W. cor at Ice House Road

Tr. at N=3. - NW cor. sight on N=2
 $\Delta L 102^{\circ}35'$ - 279.55. To cut off
Pt. +35.70 to P.I. = 315.25

Tr. on P.I. two roads - $\Delta 47^{\circ}05'$

NE cor. Cut off.



	279.55	
	35.70	
	<hr/>	
	315.25	
N	0°03' E	
	23.38	
N	23.41' E	65.4
S	23.41' W	
	44.44	
S	68.25' W	134.0
N	68.25' E	
	112.02	
N	43.37' W	194.8
S	43.37' E	
	146.35	
	179.60	
N	33.48' E	279.5
N	33.48'	35.7

Tr. at P.I. (cut off corner)
sight on N=1
 $\Delta R.$ to N=2

$\frac{279.55}{+ 35.70}$

 315.25

Cefarino Liano

Survey portion Bl. 58 - G.T.

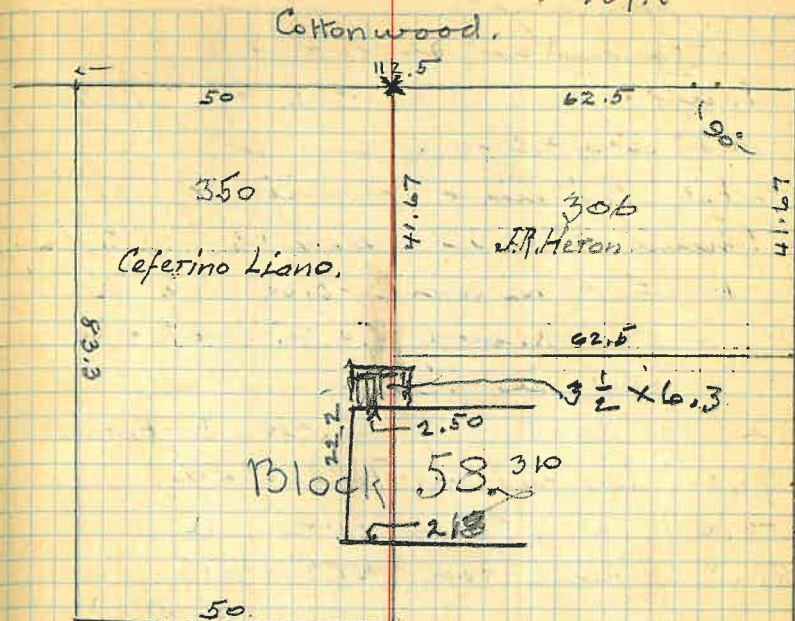
to wit: (Copy of Deed.)

- Req. at a pt. on S. side Cottonwood
 112.5 ft. from NE cor Bl. 58;
 thence S^{ly} paral. to Dev. St. 83.3 ft.;
 " E^{ly} paral. to Cotton 50 ft.;
 " N^{ly} paral. to Dev. St. 83.3 ft.;
 " W^{ly} along Cotton 50 ft. to p.o.b.

Aug 17-44

Center Point, - Cotton + Dev.

- + in rounded curb at S.W. cor. 38.50
 dd + East face wall NW cor. 30.83
 old + South face wall NE cor. 21.51
 + top of wall - west end - SE cor. 33.97

$$\begin{array}{r} 24 \\ 833 \\ \hline 107.3 \end{array}$$


82.0

24

58.0

100.0

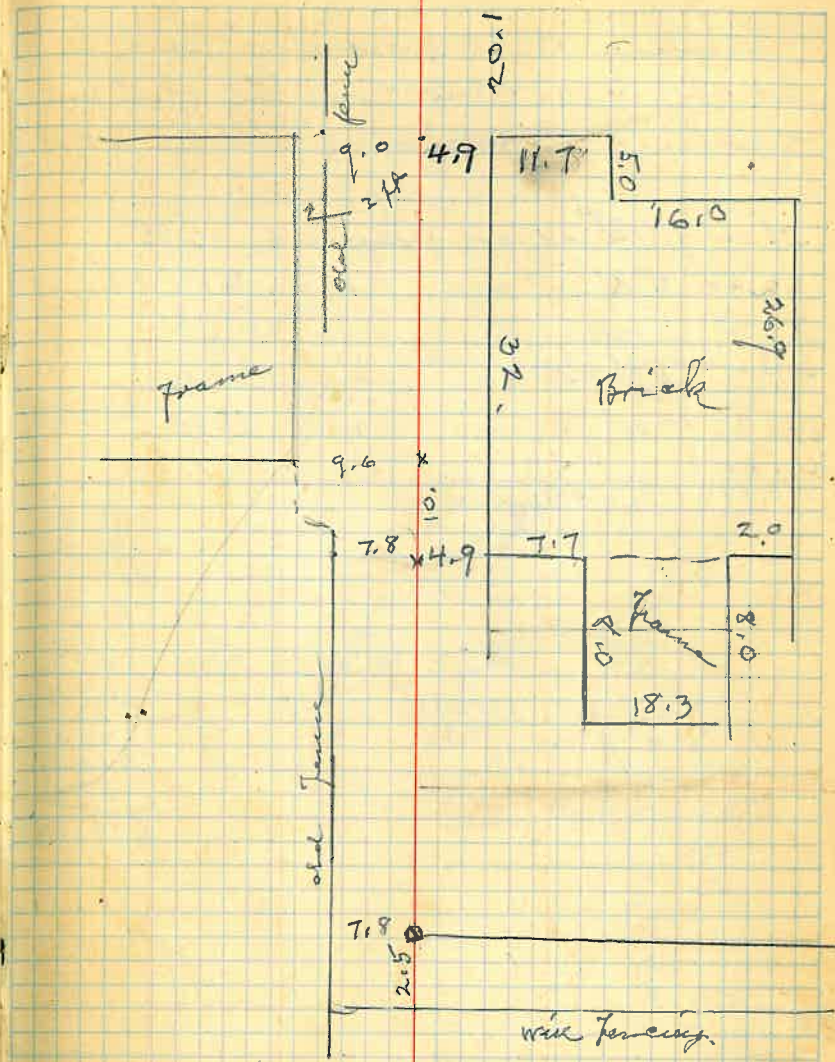
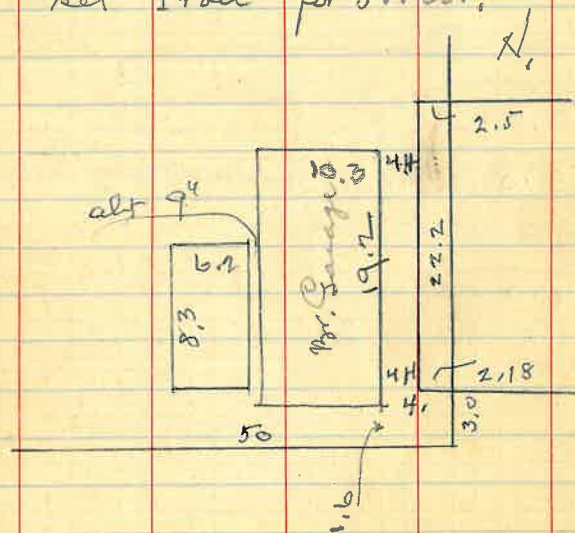
24

76.0

80.2 SW cor frame

NW cor. frame bldg 2.18 over line

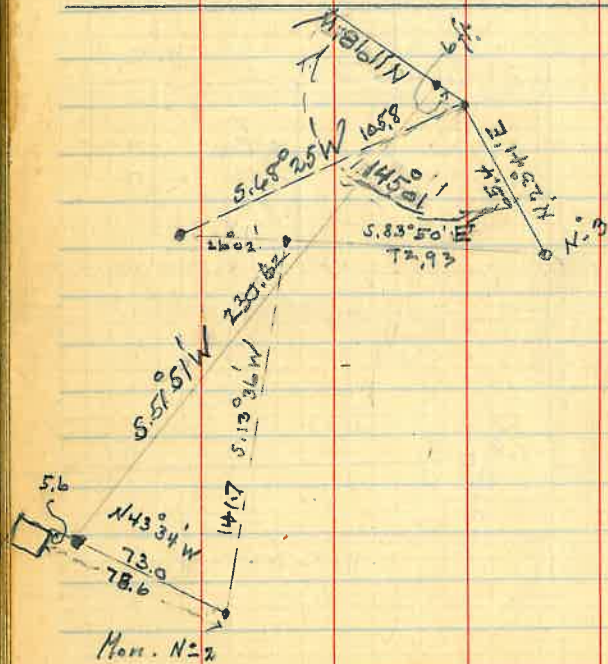
Along West side line, -
 South front, an C.L. of Cotton,
 23.57 Curb line, -
 24.0 Cut across on walk for front line,
 Theme meas. 5.4 along West side line,
 44.0 = + in walk - 3.05 W. to Joint in
 walk, and - 5.0 W. line of old
 property line. -
 04.23 S. edge of walk. (5 ft. walk)
 20.1 line of front face Bldg.
 52.0 " " rear end " "
 83.3 set Iron for SW cor.



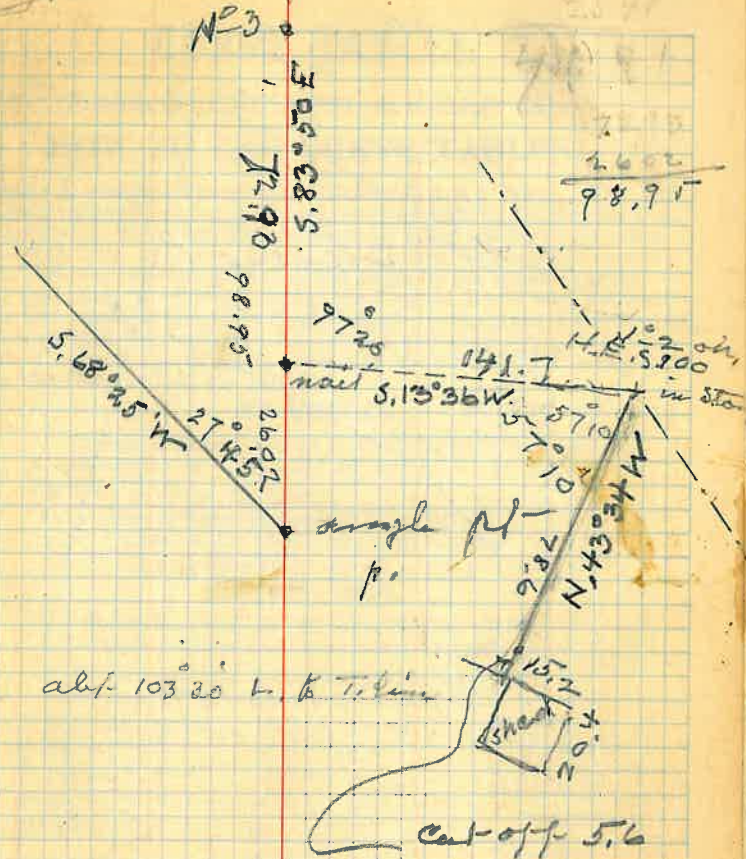
Jan. 23 - 1941

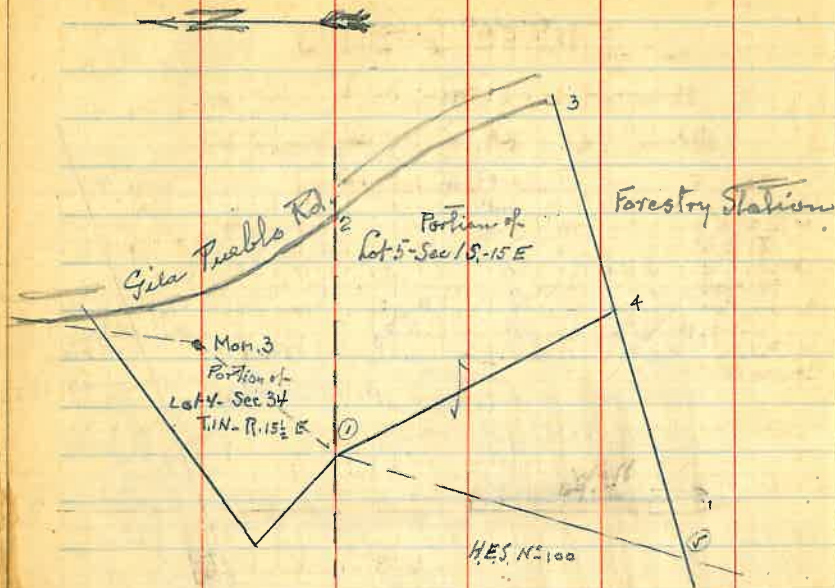
Division of A.W. Bunderick's land in
lot 4 in SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 04 in T. 11N. R. 10E. and
of portions of H.E.S. N-100 and of lot 5 in T. 12N. R. 15E.

35°00' N. E. end cor. platted 40.85
60.40 NW - " - " 27 x 47
54.10
79°10' S. E. " " Frame 50.40
140°32' SW - " - " 52.80 12.2 x 4.3



179.60
2339
756-22
N 48° 25' E
27.45
96.10
179.60
S 83° 50' E
97.26
N 13° 36' E
57.10
N 43° 34' W

J. W. & E. A. George, -
N^o 3



CURVE TABLES.

Published by KEUFFEL & ESSER CO.

HOW TO USE CURVE TABLES.

Table I. contains Tangents and External to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20' = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20' = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20' for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

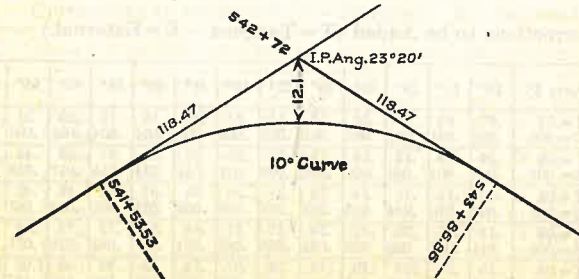
(If corrected Ext. is required find in same way)
Ang. 23° 20' = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½' = def. for sta.	542	I. P. = sta.	542+72
4° 49½' = " " "	+50	Tan. =	1.18.47
7° 19½' = " " "	543	B. C. = sta.	541+53.53
9° 49½' = " " "	+50	L. C. =	2.33.33
11° 40' = " " "	543+	E. C. = Sta.	543+86.86
	86.86		

100 - 53.53 = 46.47 × 3' (def. for 1 ft. of 10° Curve.) = 139.41' =
2° 19½' = def. for sta. 542.

Def. for 50 ft. = 2° 30' for a 10° Curve.

Def. for 36.86 ft. = 1° 50½' for a 10° Curve.



181.78

6° 30

9936

181.8

79488

7936

79488

4936

18060648

9555

Δ 74 50 frame E

184.8 to corner

Elevation 1

Langbeach Col - 3500, below Globe

Globe - +3500.

Proctoria Camp } 1300 above Globe
" +4800 above sea

Walrus Spring } -2250 above Globe
" -750 " sea

Russell saddle } -2500 above Globe
" 6000 " sea

Point Innes new } 4300 above Globe
" 7800 " sea

Pascoe Sawmill site } 8325 above Globe
" 6825 " sea

31 25	
125 00	
31. 25	
106. 25	
174. 75	
32. 50	
142. 25	