

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

____ Survey

BATTLE CREEK PARK

From _____ To _____

Road Acc't. No. _____ *Dr. 9*

Date Filed *2-20-62*

File *BK 41*

FK
RG
JH

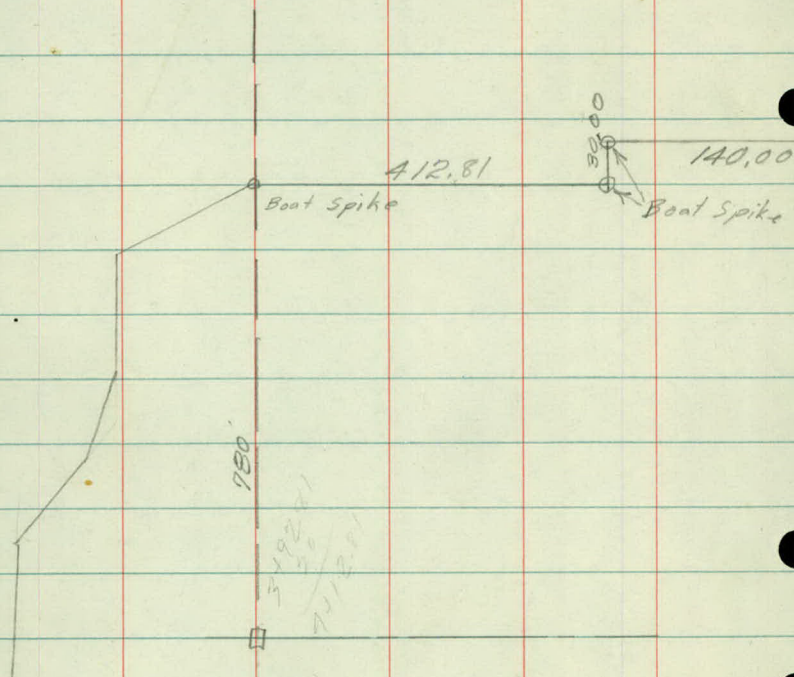
October 6, 1959
Clear Cool 60°

1

Battle Creek Park

Property Extension

620	1320
135	895
140	
895	425
41281	
1307.81	

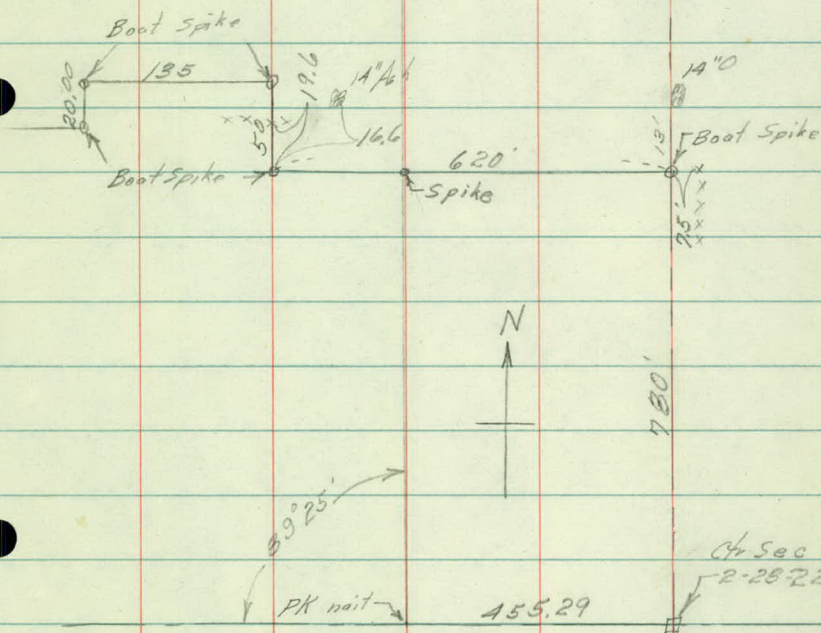


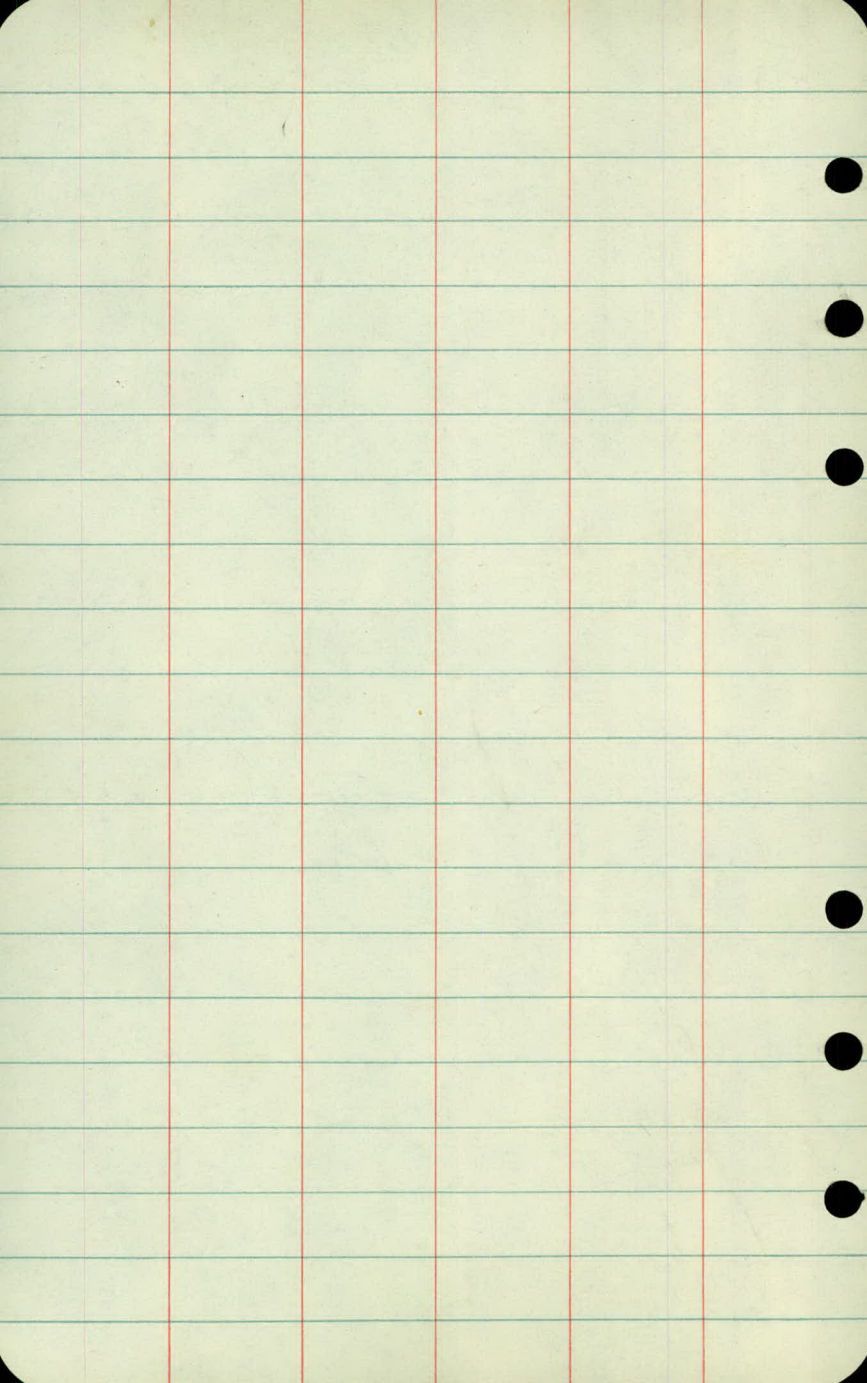
FK
RG
XJ
JH

October 6, 1959
October 7, 1959

2

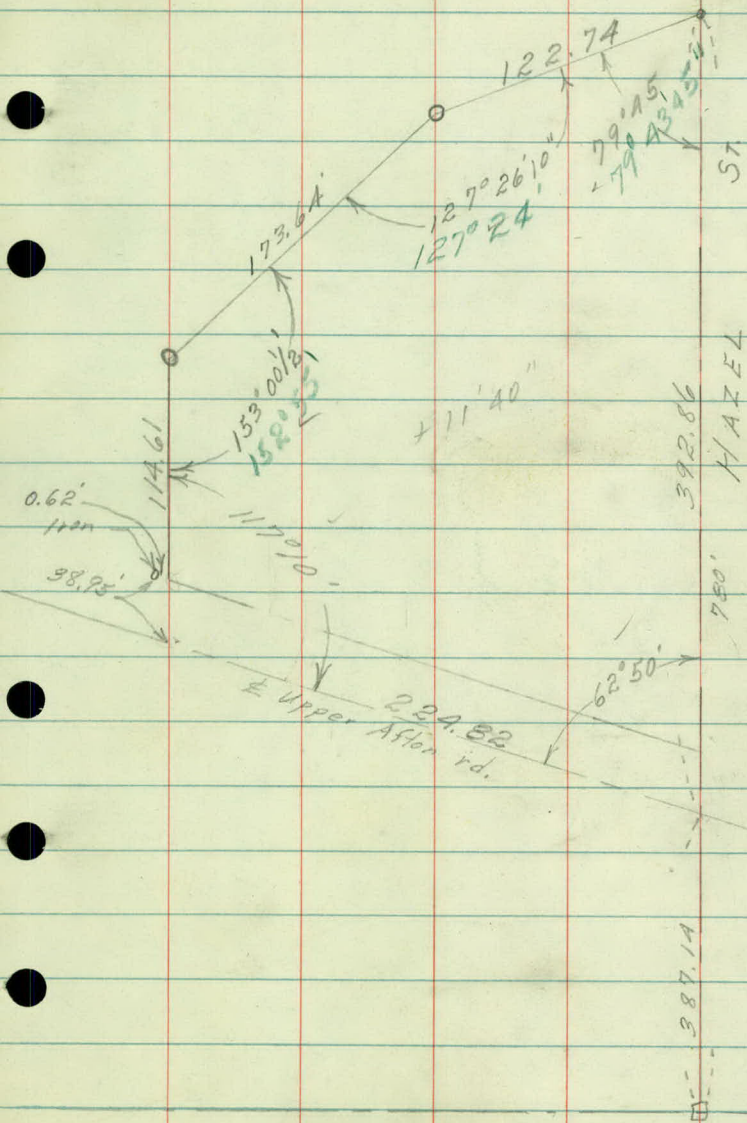
Survey Line

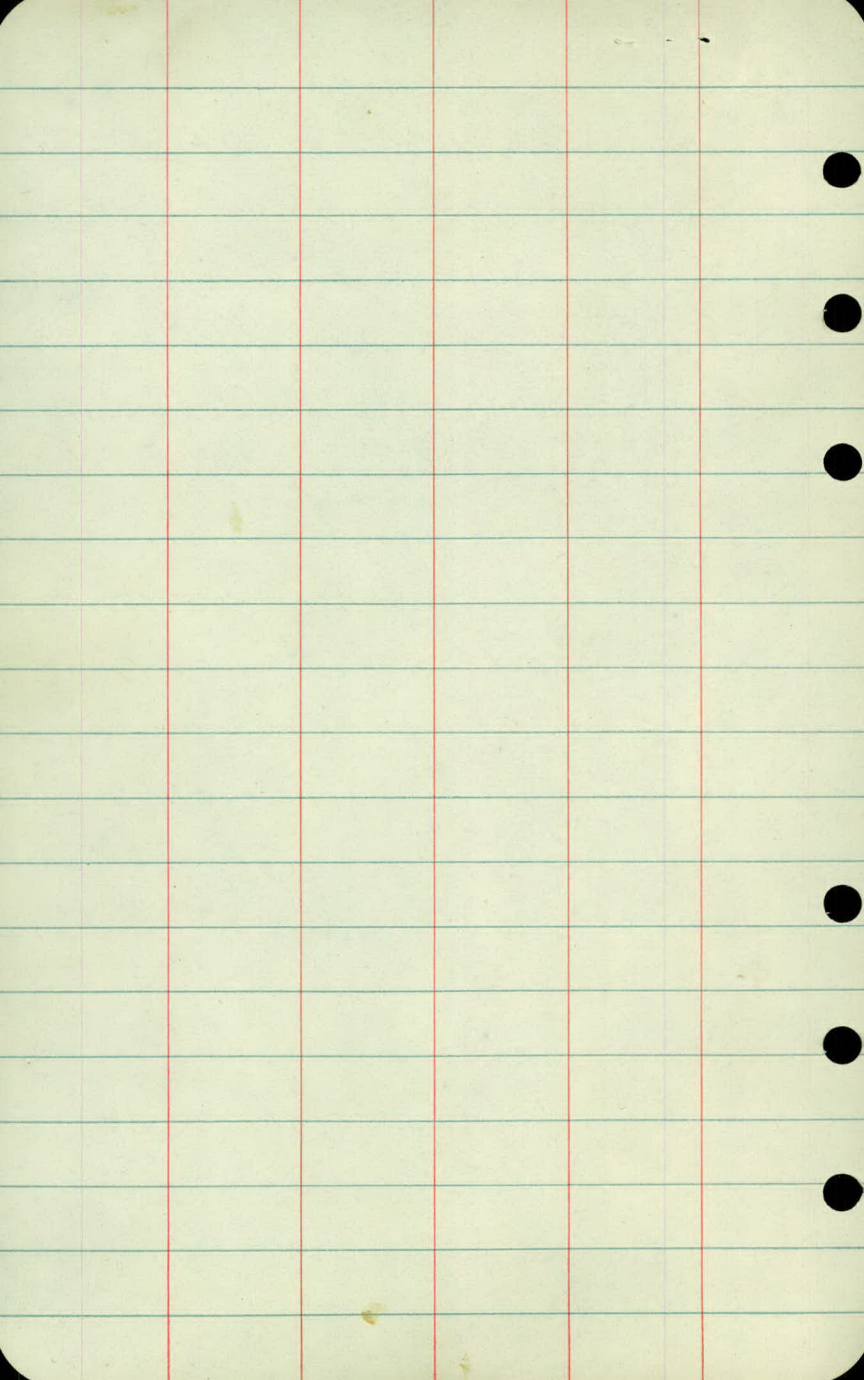




FX
RG
KP
KT
HAW

Oct 21, 1959





Oct. 21, 1959

25010 0 1246.55

Iron

1317.00 18.10 3+92.02 Hub

33156
40.61

392.17 1245639 17.77 3+31.41 Iron

2783.48

1592
1216.08

POT 1+89.28 spike
1 48.10
3 32.32

9+25.73
9124.98 20' 1101.30 Iron
20.65 Iron

8100 20' spike

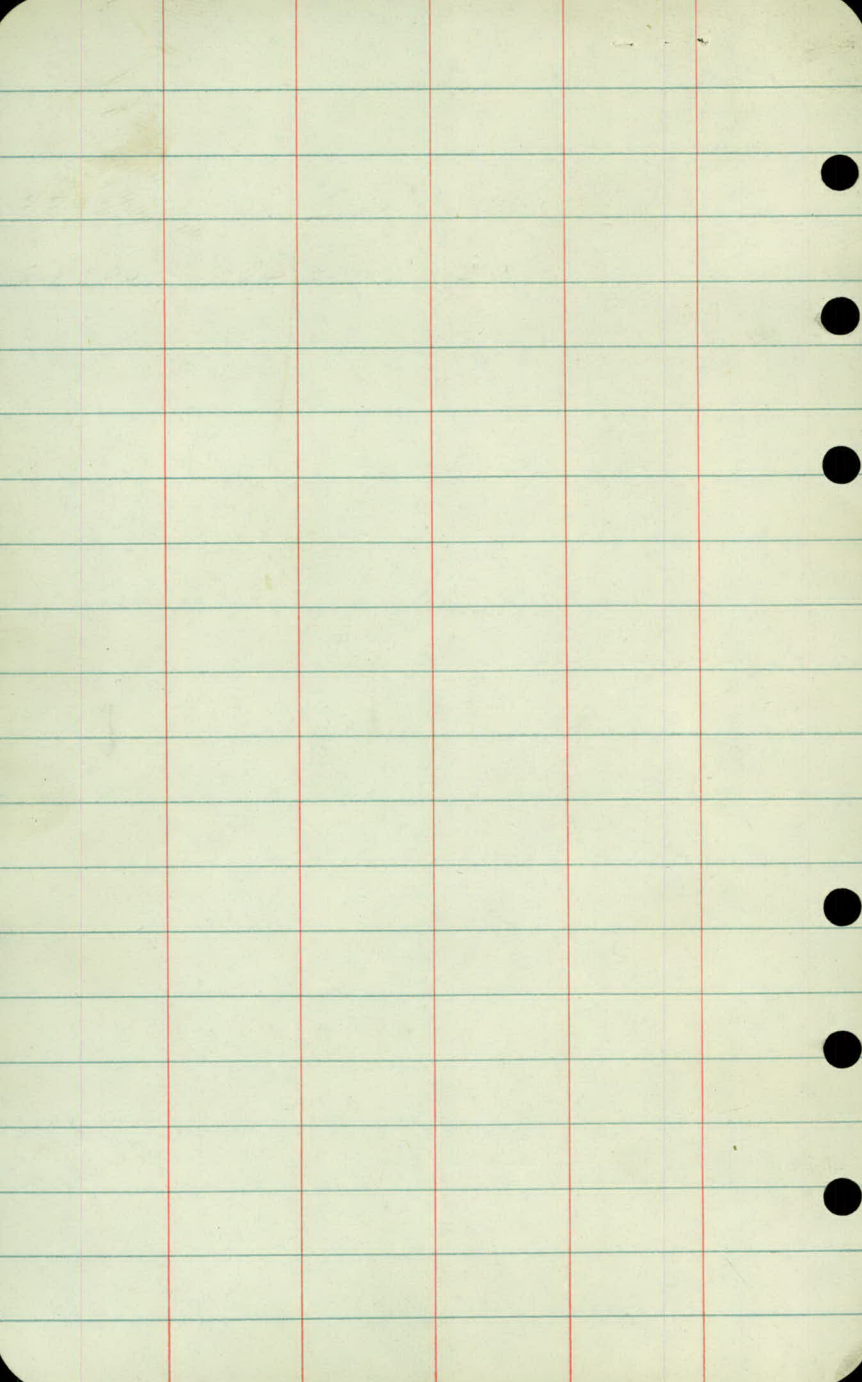
7180 BoatSpike

HAZEL

780

3+87.14 Upper Aston PK

0100



Sept 29, 1959

1

Upper Afton Rd

Building Locations

obj

AZ Dist.

X at P.O.T. on ~~E~~ Upper Afton275' West of ~~E of~~ Ruth Ave or 1700 ft.

to Ruth + Upper Afton 90°00' 275'

S.W. Cor Ho	56°48'		
	56°48'	256	256
SE " "	58°55'		
	58°55'	288	272
NW	47°48'		
	47°48'	315	292

SE Cor Barn	34°38'	310'	
SW " "	31°29'	303	298
NW " "	28° -	331	

Impliment Shed

N.W. Cor	35°55'	377	375
SW Cor	37°03'	362	
SE Cor	41°45'	384	380

Sept 29, 1959

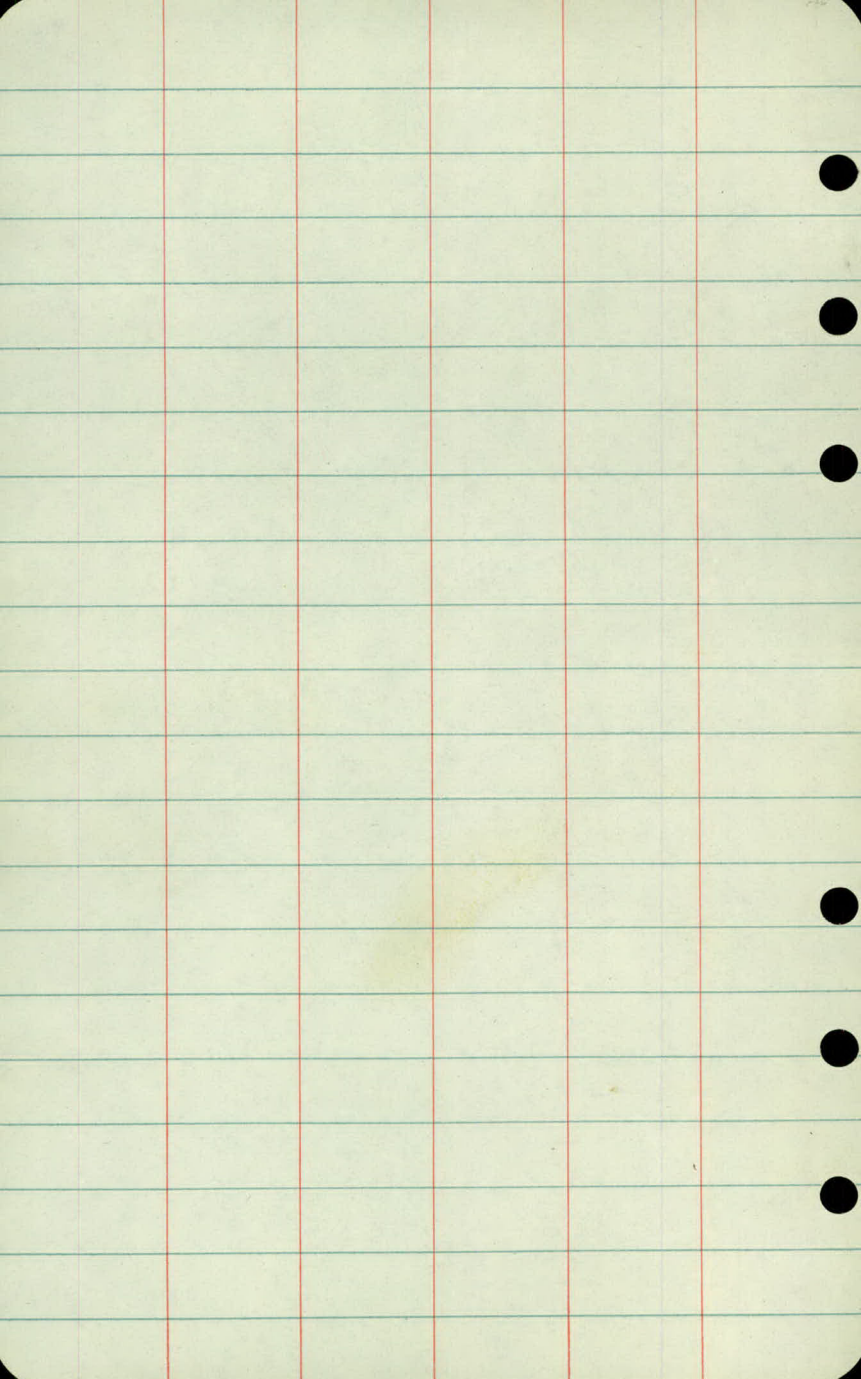
2

FK
KP
KJ
JH

House - E 18.3 W
N 55.5 S

Barn E 20.4 W
N 36.3 S

shed N 13.6 S
E 31.8 W



FK
KP
JH
KJ

30 Sept. 1959
cloudy and cool
45°

1.

Upper Afton Road
Battle Creek Park
Extension

9 pages

Object

AZ

STADIA

T at Point A

475' N and 20' E

OF S $\frac{1}{4}$ $\frac{1}{4}$ Cor OFNW $\frac{1}{4}$ OF 2-28-22

TO point 20' E

180

475

OF $\frac{1}{4}$ $\frac{1}{4}$ Cor.N.W. Cor.
house

83°18'

95

SW Cor ho.

102°23'

83

106°12'

SE Cor ho.

~~102°21'~~

141

NW Cor

Dog Kennel

65°30'

241

SW Cor Dog
Kennel

72°46'

219

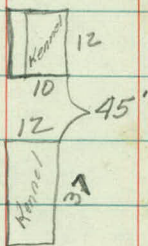
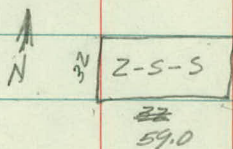
SE Cor
Dog Kennel

74°26'

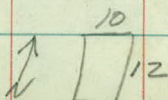
230

DIST	VERT ANGLE	ROD EQUIV	ROD	DIFF	ELEV.
------	---------------	--------------	-----	------	-------

+5°40'



45 ft north of stadia dog Kennel
there is another Kennel at the same
plus.



object

Az SODA

S.E. Cor
garage

344°10' 90

S.W. Cor
garage

332°00' 95

N.E. Cor.
garage

346°40' 103

SE Cor
garage

310°00' 143

NE Cor
garage

317°30' 149

S.E. Cor
house

304°30' 175

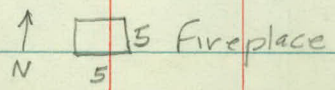
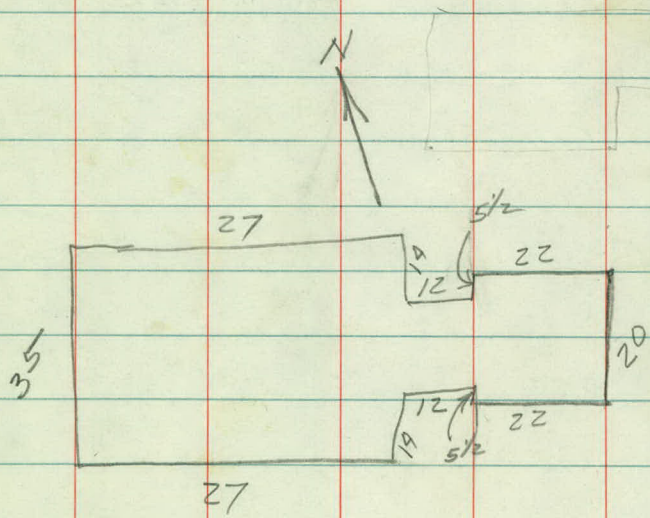
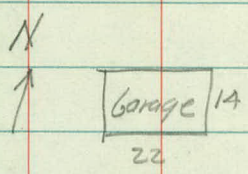
S.W. Cor.
house

303°12' 201

center
fire place

192 1/2
338°20'

dist vert Rod Equiv Rod diff elev
angle



object

Alt

Stadia

top E. bank
ravine

354°30' 307

"

347°35' 306

"

338°10' 308

"

324°40' 240

"

320°00' 229

"

302°00' 253

"

293°00' 237

"

287°10' 232

4.

dist	vert. angle	Rod Equiv Rod	diff	eler
------	----------------	---------------	------	------

vert.
angle

Object

AZ Stadia

π at point B.

1326 Feet north

and 455.32 W. of

center 2-28-22.

to point 455.32

180

1326

W. ctr. section, parallel to N $\frac{1}{4}$ line

top N. bank

at N $\frac{1}{4}$ line

120° 40'

532

top bank
(north side)

123° 55'

520

"

124° 00'

504

"

128° 00'

520

"

129° 30'

493

"

132° 15'

483

"

137° 20'

496

5.
dist vert rod equn rod diff elev
angle

object

AZ static

n. side
Karine

140°45' 462

"

145°45' 454

"

150°00' 466

"

153°30'
~~154~~ 432

"

158°45' 426

"

165°10' 475

"

174°15' 420

"

184°10' 385

"

182°45' 327

"

193°35' 343

"

196°30' 400

"

199°50' 372

"

204° - 325

"

211° - 306

"

217°20' 285

"

226°45' 262

"

238° - 270

"

230°20' 300

"

225°30' 314

Sept 30, 1959

6.

dist	vert angle	rod equiv	rod	d. ff	elev.
------	---------------	--------------	-----	-------	-------

object

AZ stadia

N. Side
Ravine

227°45' 354

"

229°30' 410

"

234°30' 395

"

239°20' 396

"

243°- 400

"

248°30' 406

"

251°05' 424

"

254°40' 455

△ PT "C"

255°05' 489

to Point B

75°05' 489

n. side ravine

261°40' 41

"

"

270°15' 116

273°15' 200

△ point D.

285°18' 354

to point C.

105°18' 354 ✓

n. side ravine

130°00' 147 ✓

"

"

165°30' 179 ✓

"

"

180°30' 167 ✓

Sept. 30, 1959

	Vert.	Rod Equ	Rod	diff	elev
List	Angle				7

list

Vert.
Angle

Red Equ

Red

diff

clev 7

object	Az	stadia
$\bar{A}$ at pt. D		
n. side ravine	191°35'	172 ✓
" "	207°35'	200 ✓
" "	218°20'	253 ✓
" "	229°50'	285 ✓
" "	230°20'	347 ✓
" "	231°45'	426 ✓
" "	230°45'	460 ✓
to pt. E.	231°57'	563 ✓
to pt E		
to pt D.	51°57'	563
n. side ravine	92°30'	92
" "		65
" "	122°45'	65
" "	171°00'	61
" "	172°30'	90
" "	180°10'	113
" "	180°30'	175
" "	179°15'	223
" "	182°05'	257

30 Sept. 1957 8

dist.	vert. angle	Rod Equiv	Rod	DIFF	elec.
-------	----------------	--------------	-----	------	-------

Object

AZ Stadia

π at Δ point E.

upper Δ ten Rd

back slope

$195^{\circ}45'239$

to Δ point E on approx Δ upper

of ten Road

$213^{\circ}41'286$

~~to Δ point E~~

π at Δ pt. F

to Δ point E

$33^{\circ}41'286$

point on $\frac{1}{4}$ line

$\textcircled{342.49}^?$ Ft N. of merit

387.44

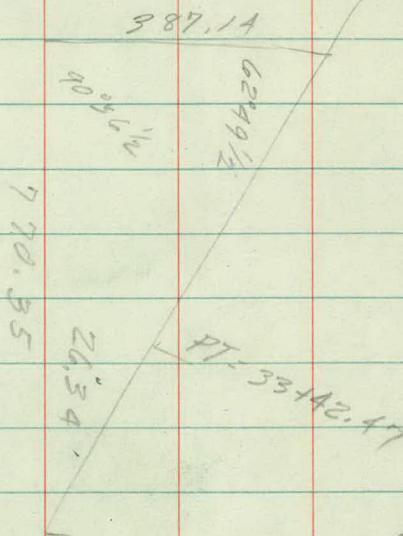
$118^{\circ}57$ 640

30 Sept. 1959 9.

dist vert. ang. lat. equ. rod diff elev

PT =
44+06.24

PC =
42+43.24



$\Delta 26^{\circ}34'W$

$D = 70$

$T = 193.35$

$L = 379.52$

$R = 819.02$

$$\begin{array}{r} A_1 \ 0 \ 6 \ 2 \ 4 \\ A_2 \ 1 \ 6 \ 2 \ 5 \\ \hline \end{array}$$

BATTLE CREEK PARK
BISANZ PROPERTY EXCHANGE

14 66.7

13 16 06

2782.76

2783.48

2797.76

2797.76

14166.7

290'

217.39

160.9

28.73

0.00

150'

S 31°05' W

S 31°05' W

S 31°05' W

FK
RG
JL
WMA

Dec. 19, 1960
Cold Clear 4°

2

PP
3N 0

38.49

27+78.21 □ Mont

□ 0+00

Hub □ 8+31.3
242

0
23+60.96 ○ Iron

Iron ○ 9+00.17

17+11.29 ○ Iron

Iron ○ 12+16.74
466.7

Spike • 13+20

14+58.21 ○ spike

1/4 1/4 Hub (14) 14+66.7
14+70

13+15.91 □ Mont
.08'E

Spike • 15+15.19

11+58.21 ○ spike

• Iron 15+27.30

?
78 0.00 Bent
○ spike

K 62°50'

13+16.06

Upper Affon

90°36 1/2'

387.28

Westley Pine

3N X 77.01

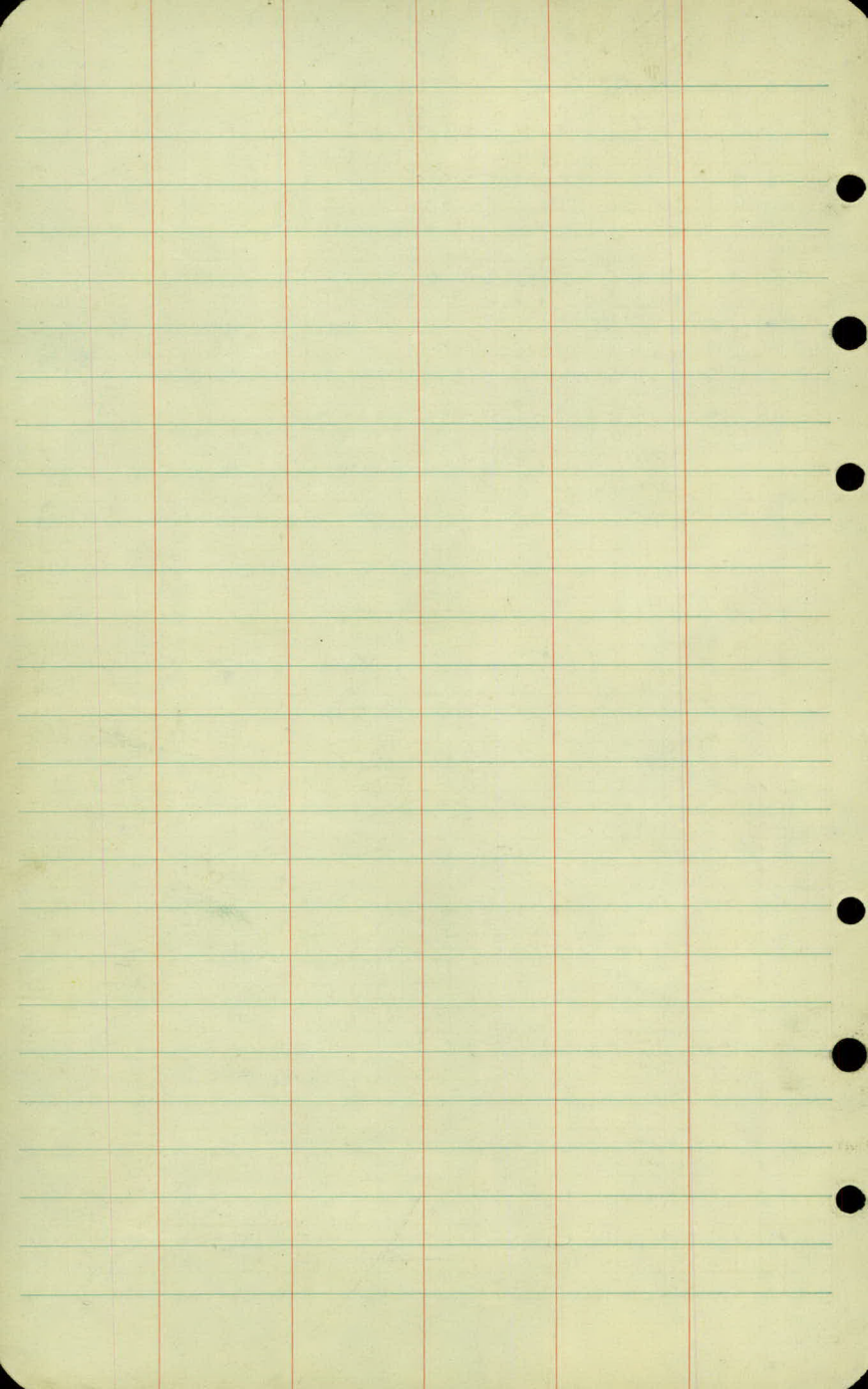
89°25'

8" Oak
3N

109.57
90°33'

0+00

84.65



115.41

$$\begin{array}{r}
 55 \\
 69.70 \\
 \hline
 124.70 \\
 27.22 \\
 \hline
 151.92
 \end{array}$$

$$91 \ 23 \frac{1}{2}$$

$$\begin{array}{r}
 128.16 \\
 23.73 \\
 \hline
 151.89
 \end{array}$$

FK
WM
M. Mo

Sept. 18, 1961
Sept. 19, 1961

3

Located

Used

⑤
30'

9+00.17

12+16.74

14+66.7

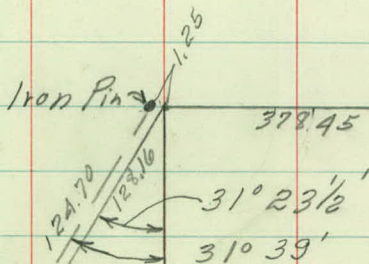
Used

⑤
30'

15+27.30

⑤
30'

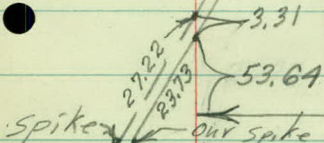
16+21.05



148° 36'

S 0° 00 1/2' E

1/4 1/4 Line



Exception Cor Iron

$$\begin{array}{r} 17960 \\ 14 \overline{) 165} \\ 165 \\ \hline 0 \end{array}$$

 3.88

0

Exception

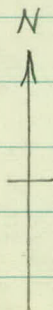
57.42

135

$132^{\circ}19\frac{1}{2}'$
 125.03

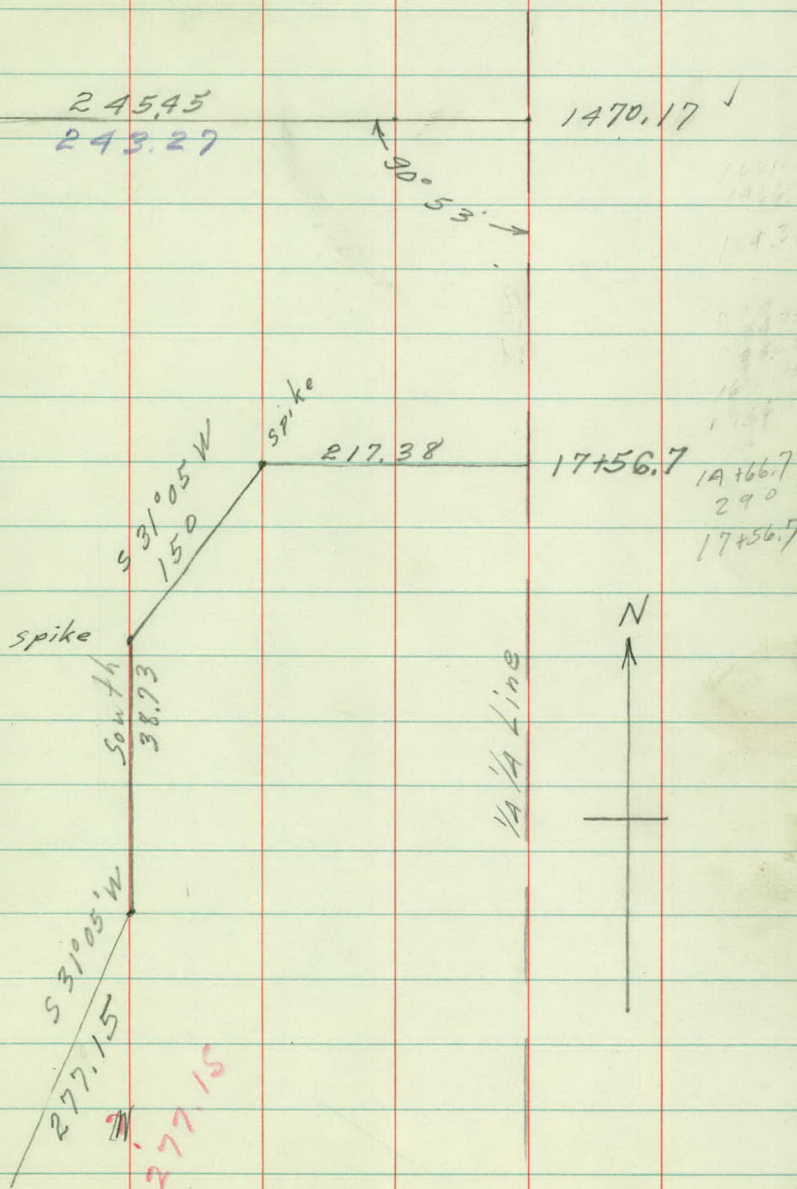
$65^{\circ}19\frac{1}{2}'$
 162.05
 408.45

SENER Easement Bearing
 $N 31^{\circ}23\frac{1}{2}' E$
 $150.36\frac{1}{2}$
 222.03
 222.03
 $147^{\circ}00' E$



FK
WM
MMc

Sept. 27, 1961
Clear Cold Windy 4



154.5

187.7

342.2

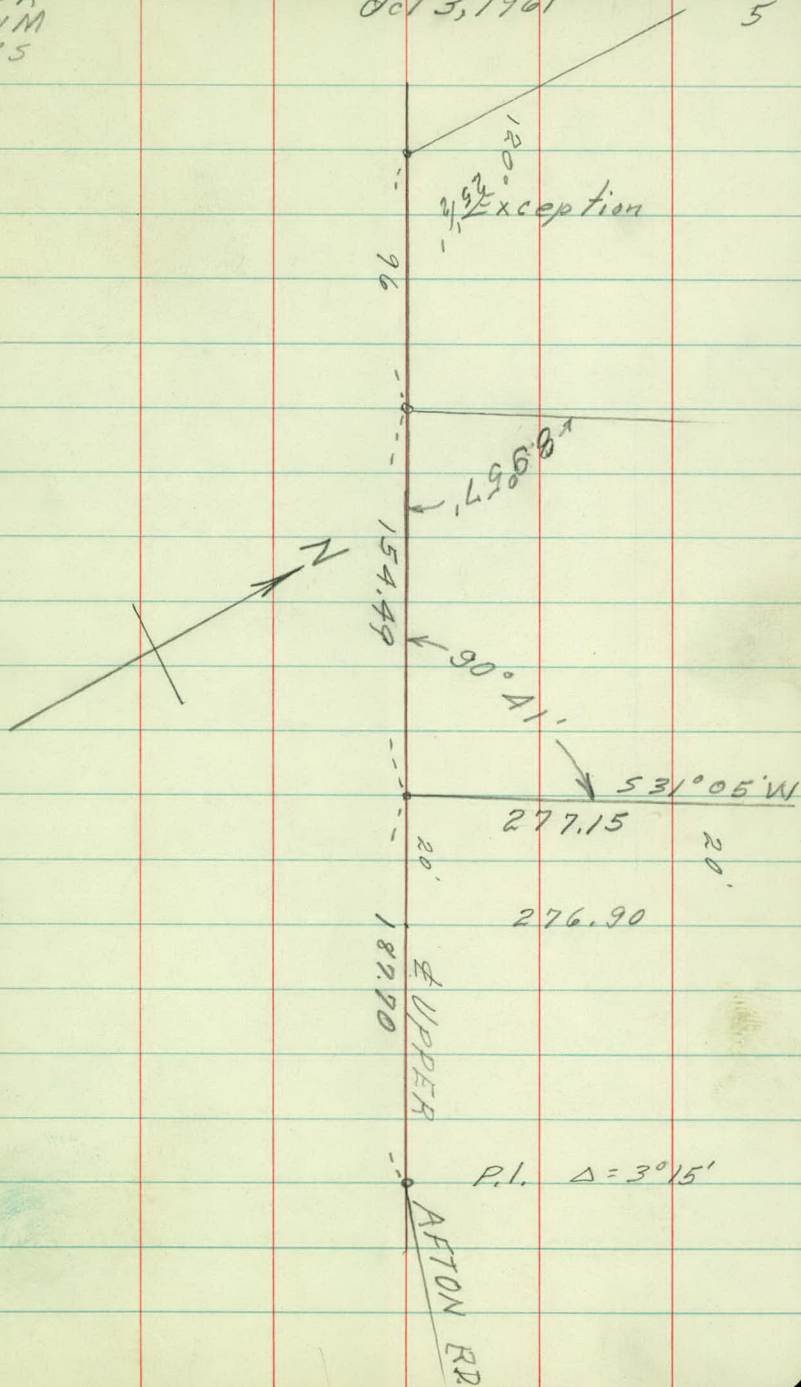
81.26

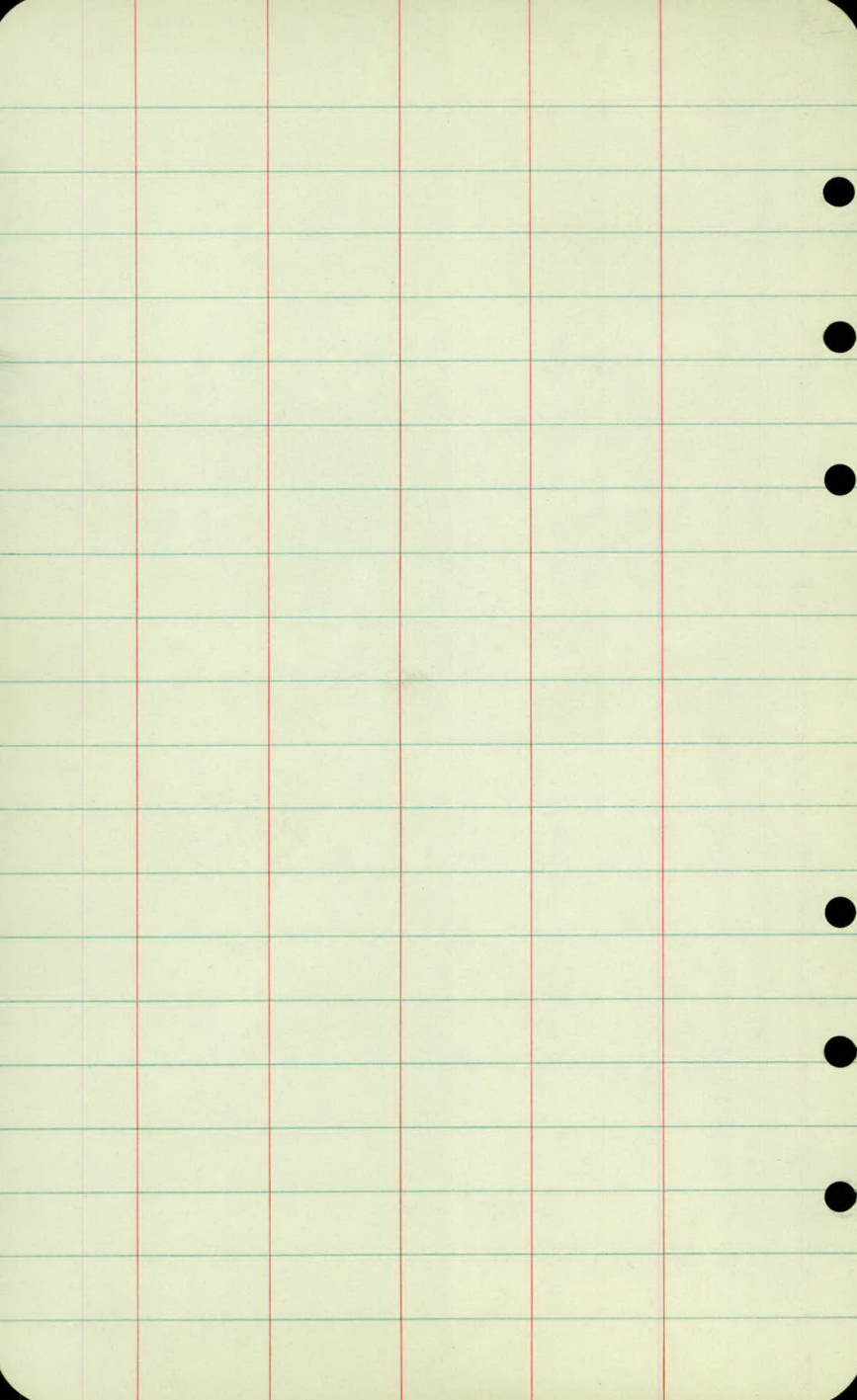
260.94

FK
WM
BS

Oct 3, 1961

5





1
BATTLE CREEK PARK

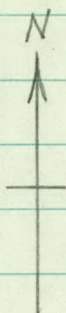
CREEK ALINEMENT

18 2672

61 787

60 787

152 183



0+00

Iron 9+09.92

Iron 9+76.30

11+03.23

25°

A 0.3

Iron 11+84.36

11+84.53

13+21.83

Iron

Sta Point ΔL ΔR
 $\Delta P \& E$ $40^{\circ} 23 \frac{1}{2}'$

63.20

$\Delta P \& D$ $42^{\circ} 57'$

44.15

$\Delta P \& C$ $88^{\circ} 38'$

102.1

$\Delta P \& B$ $37^{\circ} 20'$

69.77

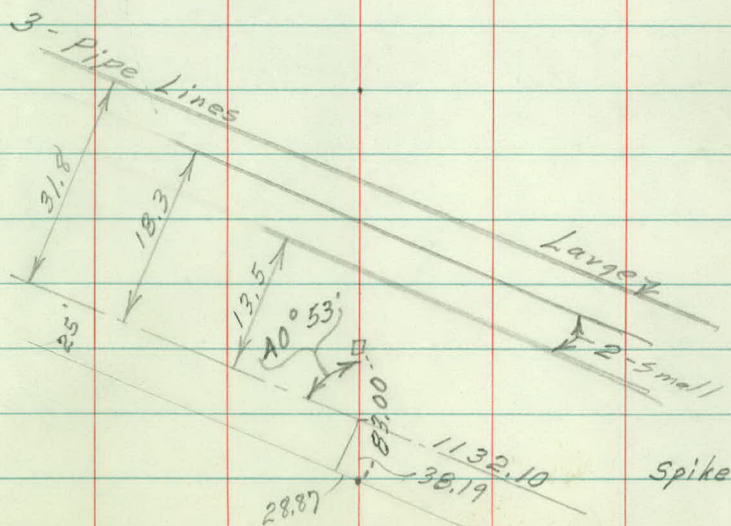
0+44.81 $\Delta P \& A$ $78^{\circ} 50'$

0+00 = 1/4 Section Line

11+03.23 on 25' $\odot$ Line

FK
KJ

Sept. 24, 1962 3
Overcast 54°



Sta Point ΔLt ΔRt

$\Delta Pt. J$ $28^{\circ}18\frac{1}{2}'$

122.80

$\Delta Pt. I$ $55^{\circ}41'$

74.48

$\Delta Pt. H$

$33^{\circ}28\frac{1}{2}'$

46.80

$\Delta Pt. G$

$43^{\circ}10\frac{1}{2}'$

41.12

$\Delta Pt. F$ $70^{\circ}03\frac{1}{2}'$

49.33

Sept 25, 1962

4

\$

Sta Point ΔL ΔR

$\Delta P. O$ $84^{\circ} 37\frac{1}{2}'$

81.46

$\Delta P. N$

$40^{\circ} 32'$

203.53

$\Delta P. M$ $22^{\circ} 44\frac{1}{2}'$

160.70

$\Delta P. L$ $67^{\circ} 51\frac{1}{2}'$

63.50

$\Delta P. K$

$51^{\circ} 47'$

102.32

Sept. 25, 1962

£

5

Sta Point ΔL ΔR

$\frac{1}{4}$ $\frac{1}{4}$ Section Line

Pt T

163.44
163.05

$\Delta P \& S$

$77^{\circ}39'$

87.92

$\Delta P \& R$ $48^{\circ}09'$

47.54

$\Delta P \& Q$

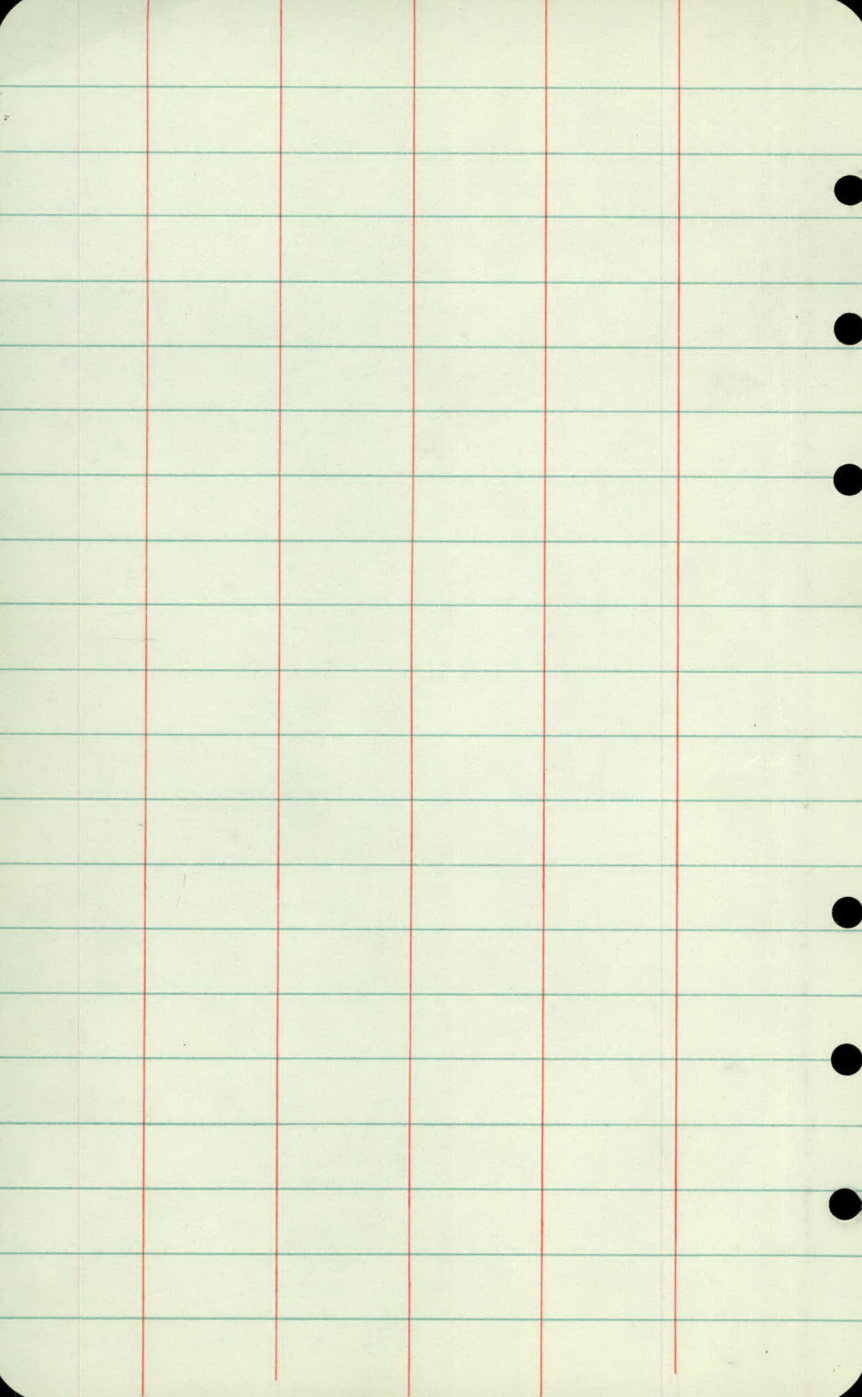
$36^{\circ}47'$

213.83

$\Delta P \& P$

$43^{\circ}39'$

73.06



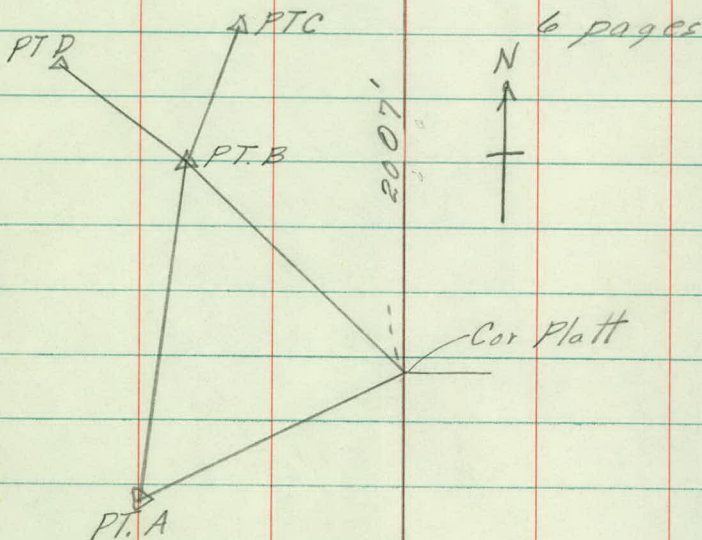
Jan 3, 1963

1

Battle Creek Park
stadia
Top of Bank

□ N. $\frac{1}{4}$ Cor.

6 pages



150907
1184.88
269335

Obj Az. Stadia

π at SW. Cor

PlatHot

to Pt A. 246°05' 420

to Pt B 314°10' 553

π at PT A

to SW. Cor. PlatHot 66°05' 420

to Point B 358°45' 556

Edge Bank 260°40' 175

" " 268°30' 189

" " 241°10' 207

" " 271°30' 213

230°10' 268

284°40' 235

219°— 315

297°— 263

211°30' 371

307°— 300

FK
DS
WS
R Base

Jan 3, 1963

2

Iron

spike

spike

Object	AZ	Stadia	
Edge Bank	205°50'	440'	
Edge Woods only	314°40'	345	
Edge Bank	200°10'	500	
" "	191°15'	478	✓
Edge Woods only	320°—	415	✓
" " "	323°30'	495	✓
" " "	326°—	565	✓
Cor " "	328°10'	625	✓

T at Pt. B			
to Pt. A	178°45'	556	
to SW. Cor. Platf.	134°10'	554	
to Pt. C	351°35'	235'	
to Pt. D	309°30'	288	
Edge Bank	238°06'	385	
" "	244°25'	372	
	254°—	420	
	259°50'	440	
	262°23'	440	

Jan 3, 1963

3

Top Bank 35' West

Top Bank 40' West

156

117

39

OBJECT	AZ	STADIA
--------	----	--------

Edge Ridge	276°30'	450
------------	---------	-----

Edge Bank	24°30'	129'
-----------	--------	------

"	"	45°20'	165'
---	---	--------	------

"	"	58°10'	195'
---	---	--------	------

"	"	76°05'	210
---	---	--------	-----

"	"	95°10'	217
---	---	--------	-----

"	"	107°30'	263
---	---	---------	-----

"	"	117°40'	324
---	---	---------	-----

"	"	113°	377
---	---	------	-----

to Pt C

to Pt B	171°25'	237
---------	---------	-----

to Pt D	253°40'	195
---------	---------	-----

Edge Bank	134°-	78
-----------	-------	----

"	"	107°40'	100
---	---	---------	-----

"	"	97°10'	184
---	---	--------	-----

"	"	71°-	159
---	---	------	-----

"	"	49°10'	184
---	---	--------	-----

Jan 3, 1963

4

Object	AZ	Stadia
Edge Bank	21° -	220
" "	5° 00'	216
" "	349° 40'	186
" "	339° 40'	216
" "	346° -	260
" "	332° 40'	300
" "	323° 10'	340

π at Pt D		
to Pt B	129° 30'	285
	73° 30'	192

Edge of Bank	349° 30'	282'
" "	327° 20'	231
" "	307° 35'	208'
" "	294° 10'	180
" "	279° 40'	122
" "	251° 50'	117
" "	238° -	193

Jan 3, 1963

5

AZ Stadia

Edge Bank	248° 50'	232
" "	263° 35'	231
" "	263° 30'	274
" "	254° 05'	270
" "	243° 30'	280
" "	228° 20'	299
" "	222° 25'	335

At Hon $\frac{1}{4}$ Line

1321.83 S of N $\frac{1}{4}$ Cor

S.W. Cor Plath.	180° -	683
Edge of bank	310° -	22
" "	274° 15'	52
" "	288° -	77
" "	283° 30'	112
" "	263° 40'	113
" "	241° -	111
" "	223° -	140
" "	206° 45'	158
" "	195° 40'	158

Jan 3, 1963

6

