

Bk 33 - Dr 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

_____ Topog. _____ Survey

_____ Boys Farm _____
Also Bldg. Location, 1950
From _____ To _____

Road Acc't. No. _____

Date Filed 4/Ao _____

File _____

Boys Farm.

Levels

3 Pages

Sta	+	π	-	Elev.
B.M.	5.12	909.90		904.78
①			12.4	897.5
2			8.3	901.6
3			4.9	05.0
4			3.9	06.0
5			5.6	04.3
6			4.0	05.9
6A			4.2	05.7
7			4.0	05.9
8			4.2	05.7
9			4.0	05.9
10			6.0	03.9

1-19-40

1

Top N.E. Cor. Gona Step Platform next to school

909.90

sta.	+	π	-	Exch.
First floor Dorm.			2.14	907.76
Basement Dorm.			12.25	897.65
11			7.4	902.5
12			7.1	02.8
13			6.9	03.0
14			7.0	02.9
15			8.0	01.9
16			9.3	900.6
17			12.3	897.60
1st floor School			5.15	904.75
18			7.9	902.0
19			10.1	899.80

909.90

Sta	+	π	-	Elev
-----	---	-------	---	------

26			8.42	901.48
----	--	--	------	--------

T.P.	298	902.56	10.32	899.58
------	-----	--------	-------	--------

20			3.6	99.0
----	--	--	-----	------

Basement School			9.78	92.78
--------------------	--	--	------	-------

21			4.6	98.0
----	--	--	-----	------

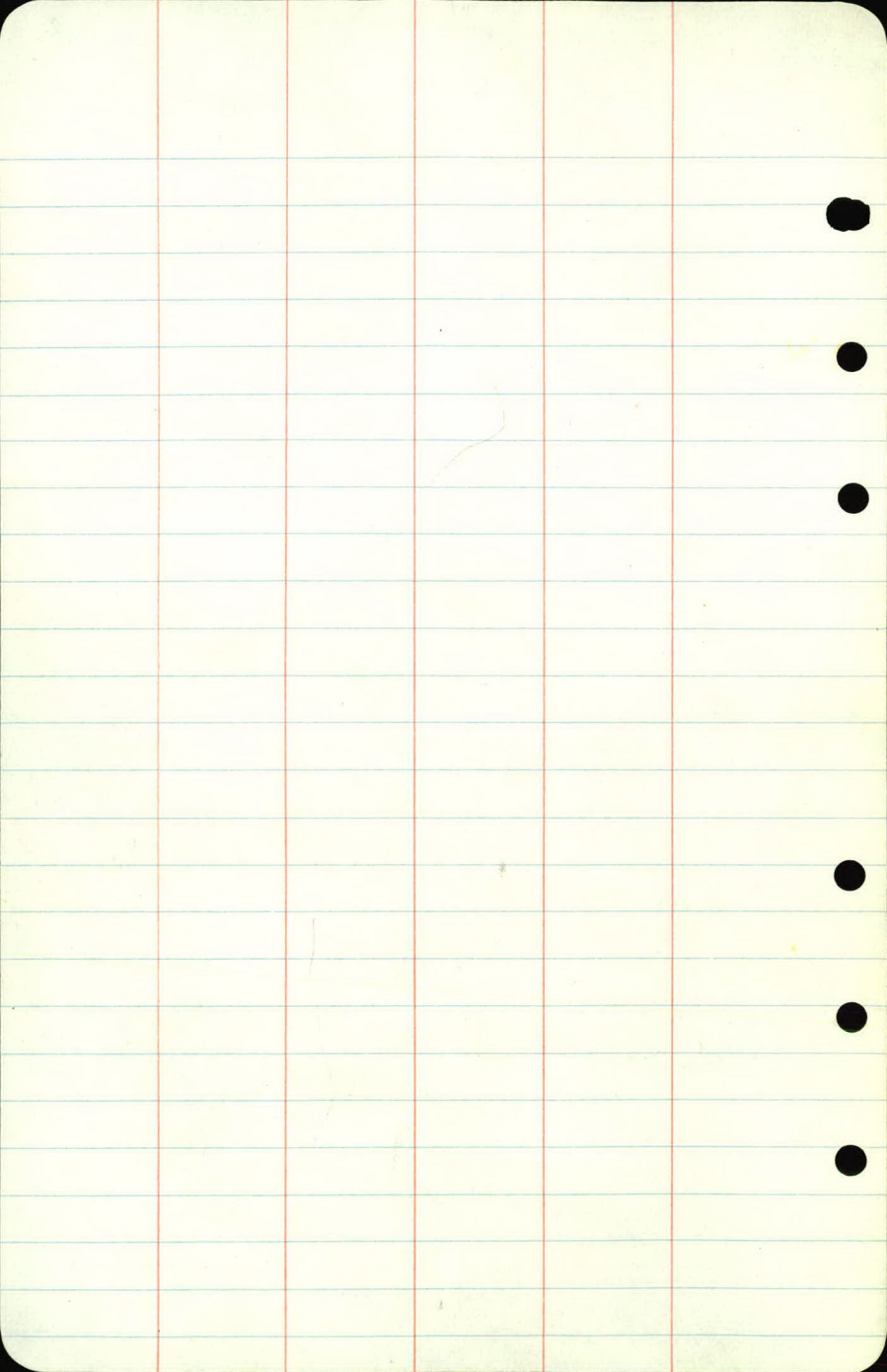
22			6.1	96.5
----	--	--	-----	------

23			3.7	98.9
----	--	--	-----	------

24			10.4	92.2
----	--	--	------	------

25			17.7	884.86
----	--	--	------	--------

Top S.W. of Building



Boys Farm
Additional Levels.

Done
~~1973~~

1-24-40

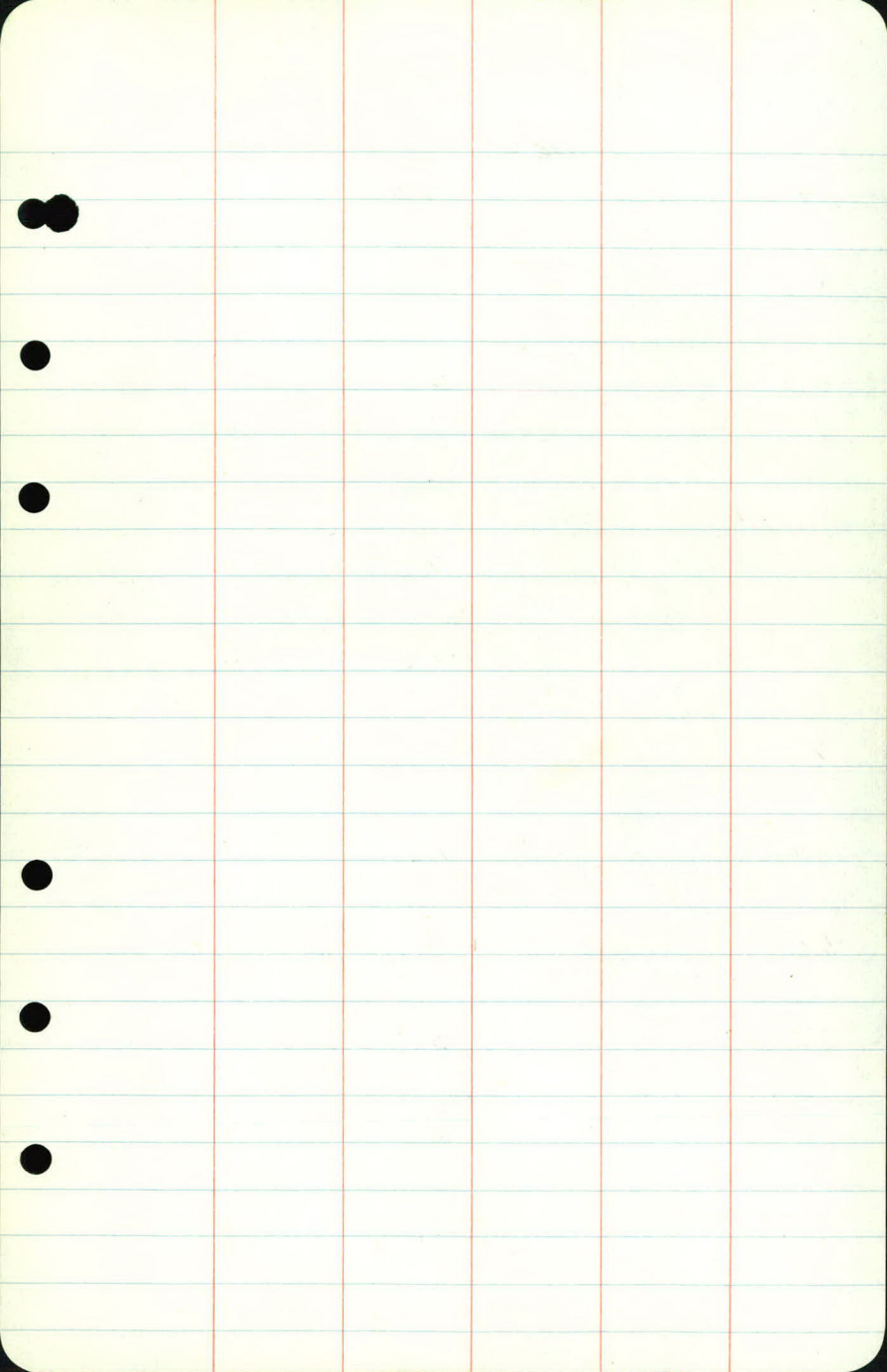
Sta.	+	π	-	Elev.
B.M.	1.48	906.26 905.26		904.78
# 30			3.5	02.8
# 31			2.5	03.8
35			1.0	05.3
32			3.9	02.9
33			2.7	03.6
37			1.0	05.3
34			3.6	02.7
36			2.2	04.1
38			0.7	05.6
39			4.1	02.2
40			4.3	02.0
41			3.8	02.5

Description

Top N. W. Cor. step Platform next to school.

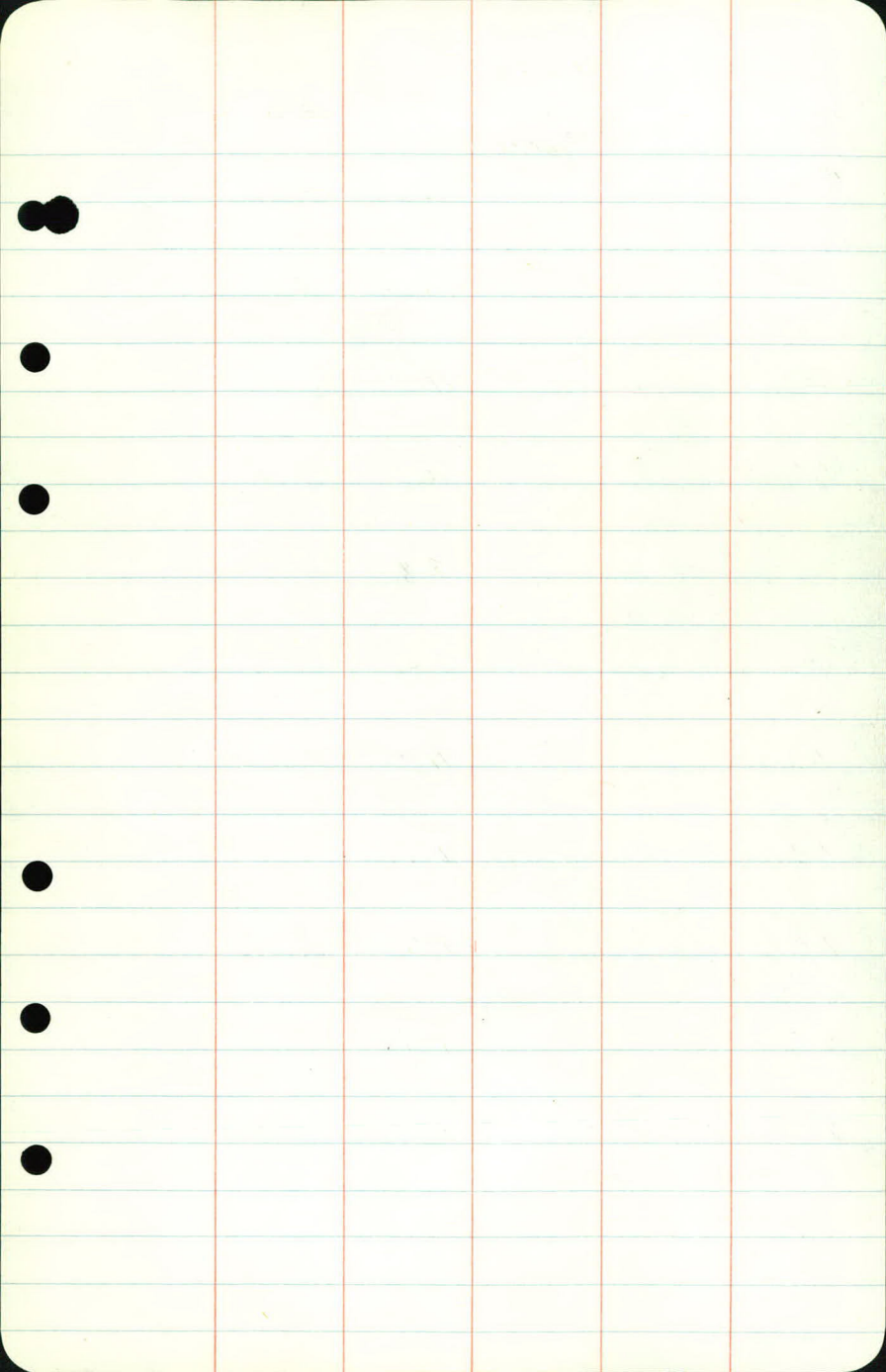
906.26

sta.	+	π	-	Elev
		905.26		
# 42			7.3	899.0
43			1.9	904.4
44			2.0	04.3
45			2.6	03.7
46			5.4	00.9
47			0.9	05.4
48			1.1	05.2
49			1.8	04.5
50			4.4	01.9
51			5.3	01.0
52			6.6	899.7
53			9.1	97.2



906.26

Sta.	+	π	-	Elev.
# 54		905.26	6.5	899.8
55			8.3	98.0
56			11.1	95.2
57			8.1	98.2
58			9.8	96.5
59			12.4	93.9
60			10.8	95.5
61			10.9	95.4
62			14.6	91.7
63			11.6	94.7
64			12.9	93.4
65			12.8	93.5

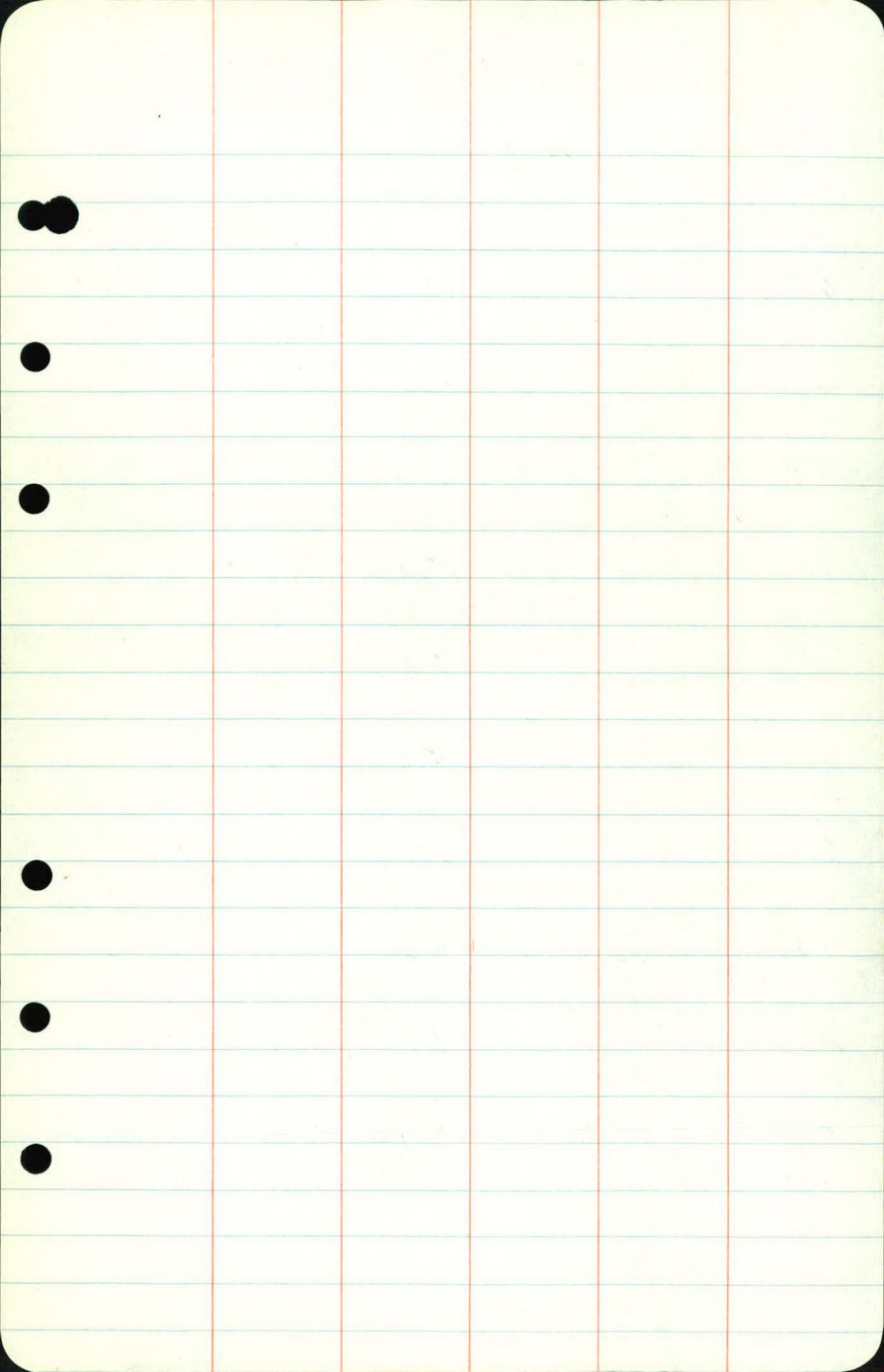


906.26

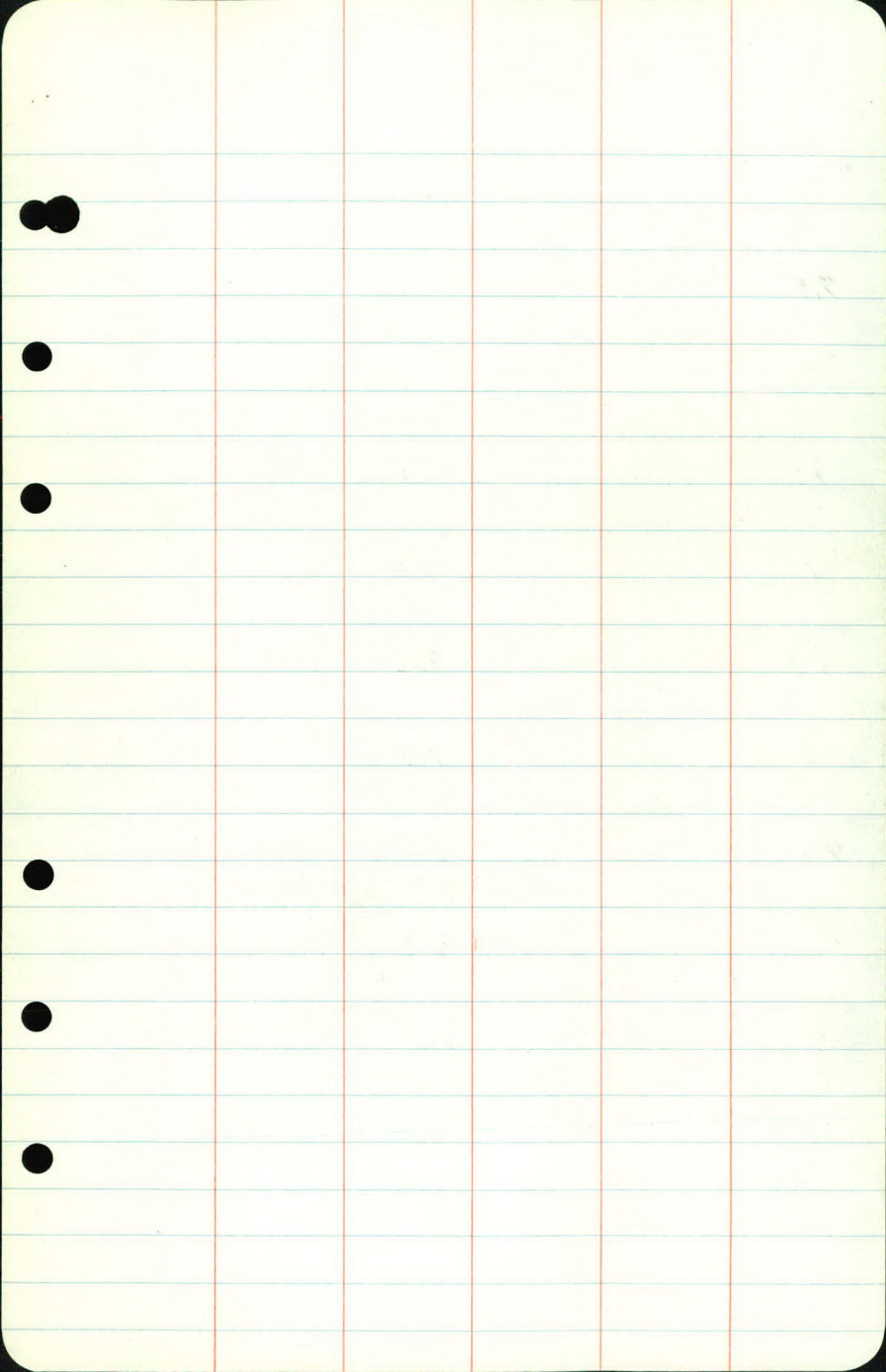
Sta.	+	π	-	Elev
		905.26		
66			15.8	890.5.
67			15.2	91.1.
68			16.3	90.0.
69			14.2	90.1.
70			18.8	87.5.
71			9.8	96.5.
72			9.8	96.5.
73			13.4	92.9.
74			8.8	97.5.
75			8.8	97.5.
76			12.6	93.7.

B.M. 3.35 908.19

904.78



sta	+	π	-	ELEV
		905.13		
77			4.4	03.7.
78			4.5	03.6.
79			4.0	04.1.
80			5.0	03.1.
81			5.0	03.1.
82			4.2	03.9.
83			5.3	02.8.
84			5.1	03.0.
85			4.5	03.6.
86			6.1	02.0.
87			5.4	02.7.
88			4.1	04.0.



Sta.	+	π 908.13	-	Elev
# 89			6.6	01.5
90			2.5	00.6
91			6.6	01.5
92			5.5	02.6
93			6.7	01.4
94			8.5	899.6
95			7.7	00.4
96			6.9	01.2
97			6.3	01.8
98			9.7	98.4
99			10.3	97.8
100			12.6	95.5
Basement				
Garage C			12.0	96.1
1st Floor				
Garage			4.1	04.0

Description

Top of wall

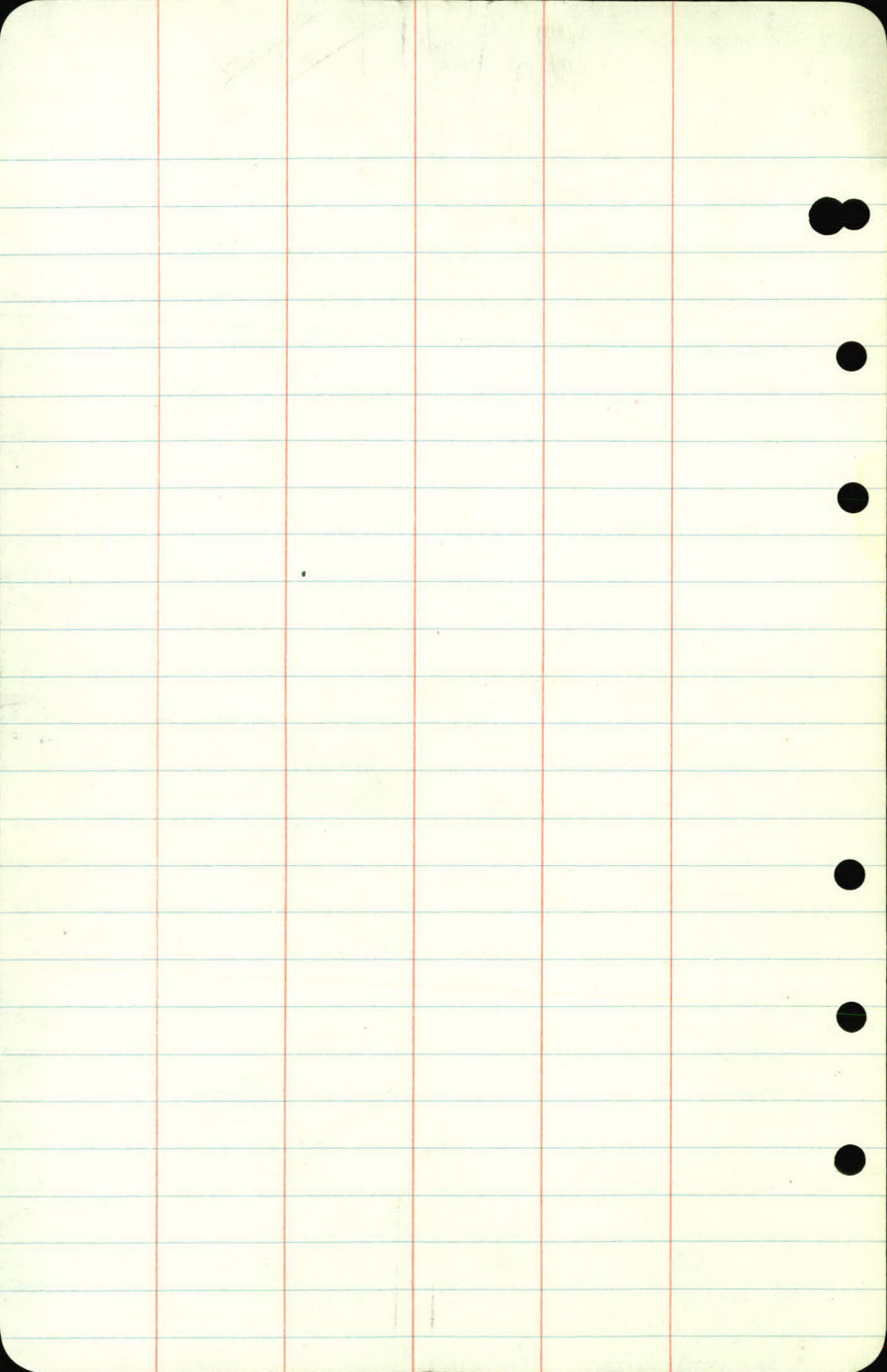
Bottom of wall

Top of steps

Edge of drive

Edge of drive

Top of wall



DIST

VERT.
ANGLEROD
EQUIV

ROD

DIFF.

ELEV.

Boys Farm
Bldg. Location

1-17-50

[Handwritten signature/initials]

OBJECT

AZI

STADIA

1. To Iron 60' N Ctr Sec 13 11

1. To Mont

180° 00'

1. SW cor Root Cellar

126° 40'

1. SE cor " "

Diff. Shot.

124° 40'

1. SW cor. School New 1941 Add.

109° 05'

109° 06'

1. NW " " " "

94° 40'

1. SW cor School old 1928 Bldg

~~90° 51'~~

90° 51'

1. NW " " " "

72° 40'

1. NE " " " "

72° 38'

1. NW cor. Home Bldg.
School

72° 04'

To POT No. Mont

ctr. Sec 13 11

to iron 60' No. Mont "

180° 00'

SE. cor Chicken Coop

34° 40'

S.W. cor. Chicken Coop

9° 55'

N.W. cor. Chicken Coop

10° 26'

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

70

25

23

60'

230' ✓

248' ✓

122' ✓

106' ✓

~~122'~~

118.28 ✓

114' ✓

140' ✓

218' ✓

72' ✓

195' ✓

187 ✓

208 ✓

OBJECT

AZ.

STADIA

T @ 60' N of Mont

To Mont

180°00'

SW Cor Root Cellar

126°05'

A South

111°24' $\frac{1}{2}$

Trail Top Stone Strip.

101°10'

 $\frac{1}{2}$ Trail

199°40'

" "

215°30'

A PT North

67°53' $\frac{1}{2}$ ~~67°53' $\frac{1}{2}$~~

T @ A North

242°53' $\frac{1}{2}$ ✓To $\frac{1}{2}$ Road.

249°50'

" " "

263°20'

" " " edge. Parking Space.

303°20'

Cor. Bell Tower.

266°40'

" " "

270°26'

NW Cor School

184°10'

NE " "

87°20'

Rock Is. 4' Rad PT

31°50'

" " 23 " "

44°00'

 $\frac{1}{2}$ Intersection

52°40'

 $\frac{1}{2}$ " "

46°30'

" " "

46°00'

" " "

68°50'

6753

12
7215

150

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

111°24

150

231' +1°45' ✓ ? angle

291°24

245' +4°00 ✓

75' +8°00 ✓

120' -11°00 ✓

175' ✓

230' +8°00 ✓

120' ✓

100' ✓

32' ✓

32' ✓ 8' North

26' ✓

16' ✓

58' ✓

34' ✓

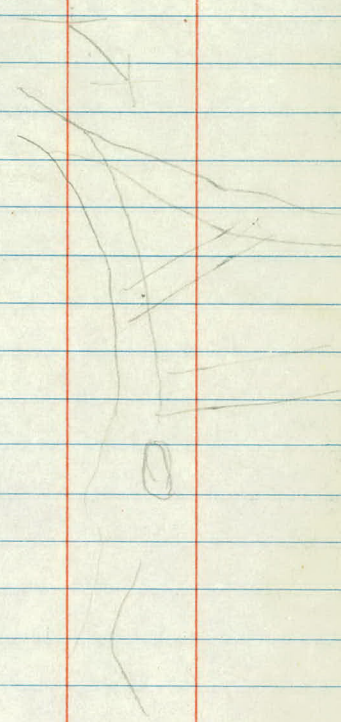
48' ✓

80' ✓

155' ✓

270' ✓

205' ✓



OBJECT

AZI

STADIA

Rd Intersection

81°20'

To A South in Rock Garden

291°24'

2 Road

285°20'

" "

245°05'

" "

207°50'

" " " @ Wye

196°10'

" "

176°00'

" "

107°10'

64°30'

DIST.

VERT.
ANGLEROD
EQUIV.

ROD

DIFF.

ELEV.

187' ✓

134' ✓

112' ✓

112' ✓

165' ✓

87' ✓

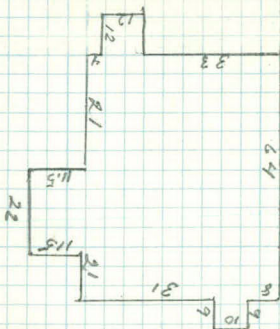
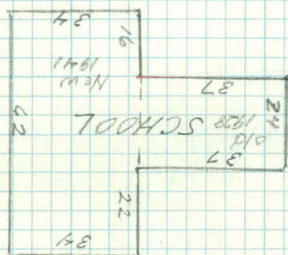
80' ✓

148' ✓

OBJECT

AZ

STADIA



27

NE cor. Prop.

114.070

34.39

Corner
C. Coop

East Prop. Line

DIST.

VERT.
ANGLE

ROD
EQUIV.

ROD

DIFF.

ELEV.

Building Location

Boys Farm

OBJECT

AZI

STADIA

π @ NW Cor. prop.

to NE Cor

$0^{\circ}00'$

SW cor Ho.

$274^{\circ}50'$

SE cor.

$285^{\circ}30'$

SE Cor. Gar.

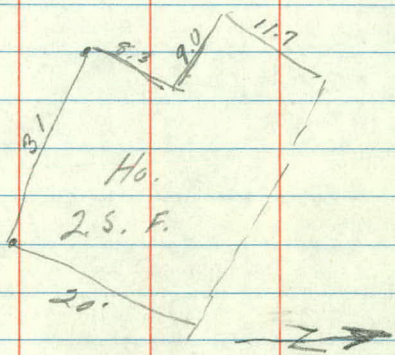
$291^{\circ}40'$

SW Cor. "

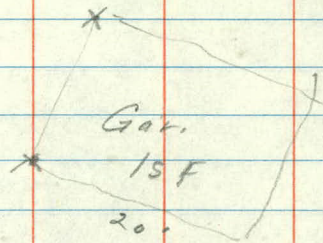
$287^{\circ}20'$

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

202'
194'



254'
258



OBJECT

AZI

STADIA

Wen

Boys Totem Town

Drain Field Levels
Septic Tank from Main Bldg.

6-Pages

1955

Sta	+	π	-	Elev.
B.M.	5.00	105.00		100.00

res. in tank.

9.5

95.5

0 +00

+15

+35

+70

+90

1 +00

Top E. End Septic Tank (no bottom mat) 13 1/2' ±

99.1	100.0	100.5	100.0	101.1	103.4	05.5	04.9
5.9	5.0	4.5	5.0	3.9	2.6	1.5	0.1
14	6	2		6	19	25	30

99.2	100.0	01.5	01.1	01.4	03.8	04.6	round
5.8	5.0	4.5	3.9	3.6	2.2	0.4	
16	11	6		6	18	26	

97.2	98.0	99.1	00.0	01.2	02.8	04.2	01.0
7.8	7.0	5.9	5.0	3.8	2.2	0.8	
18	14	6		6	14	21	

+ 61-10" Ash-16
+ 77-8" Ash-4"

94.4	95.6	97.2	98.5	99.5	05.2	03.6	01.0
10.6	9.4	7.8	6.7	5.5	1.8	1.4	
20	13	6		6	15	19	

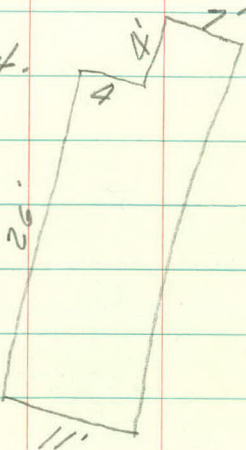
93.8	94.3	96.0	95.4	98.7	00.0	02.5	01.0
11.2	10.7	9.0	7.6	6.3	5.0	2.5	2.2
21	14	6		6	10	15	19

92.5	93.6	95.5	96.4	97.6	02.1	02.5	
12.5	11.4	9.5	8.6	7.4	2.9	2.5	
21	15	6		6	16	21	

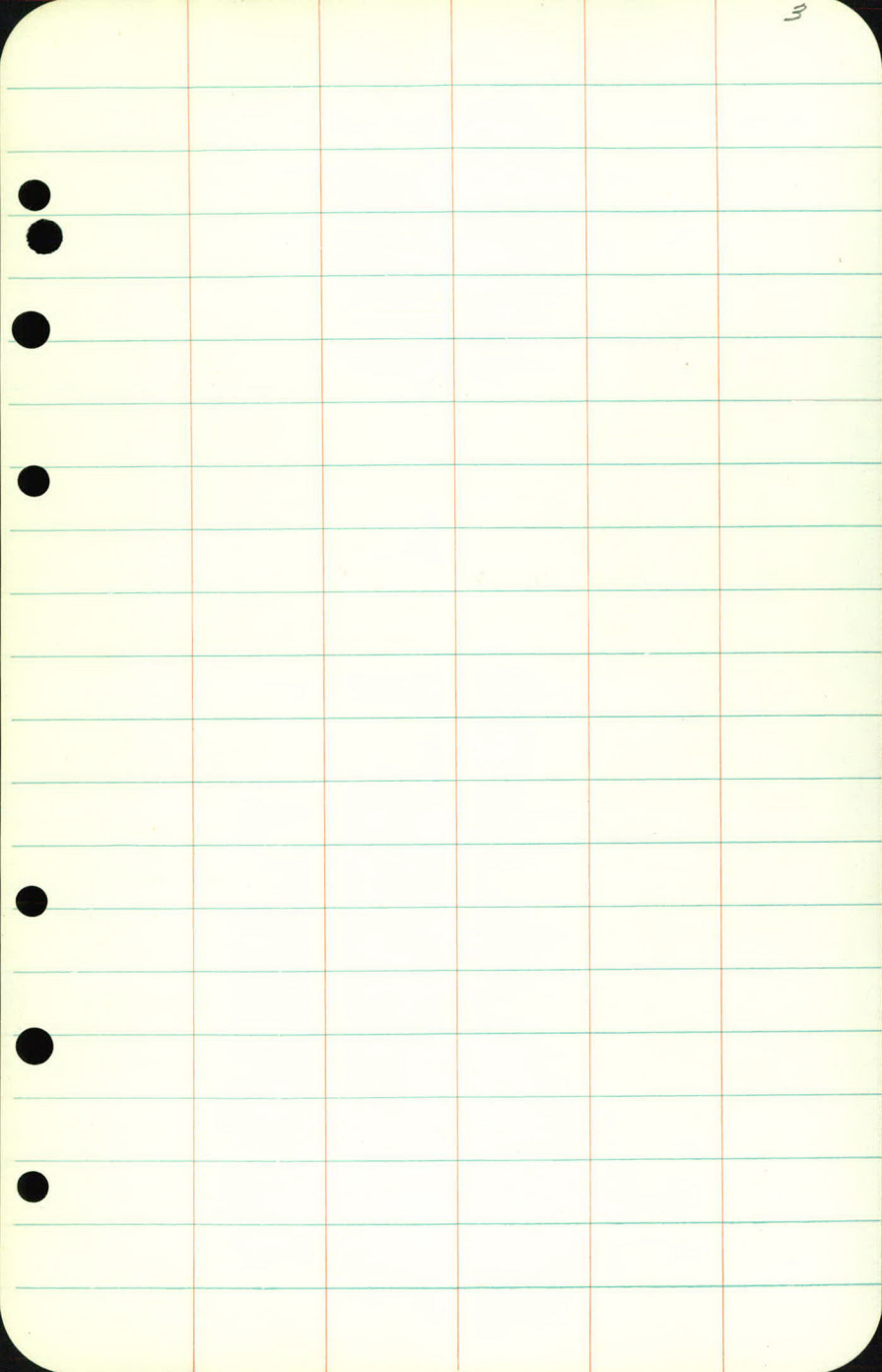
194-24'0.3'

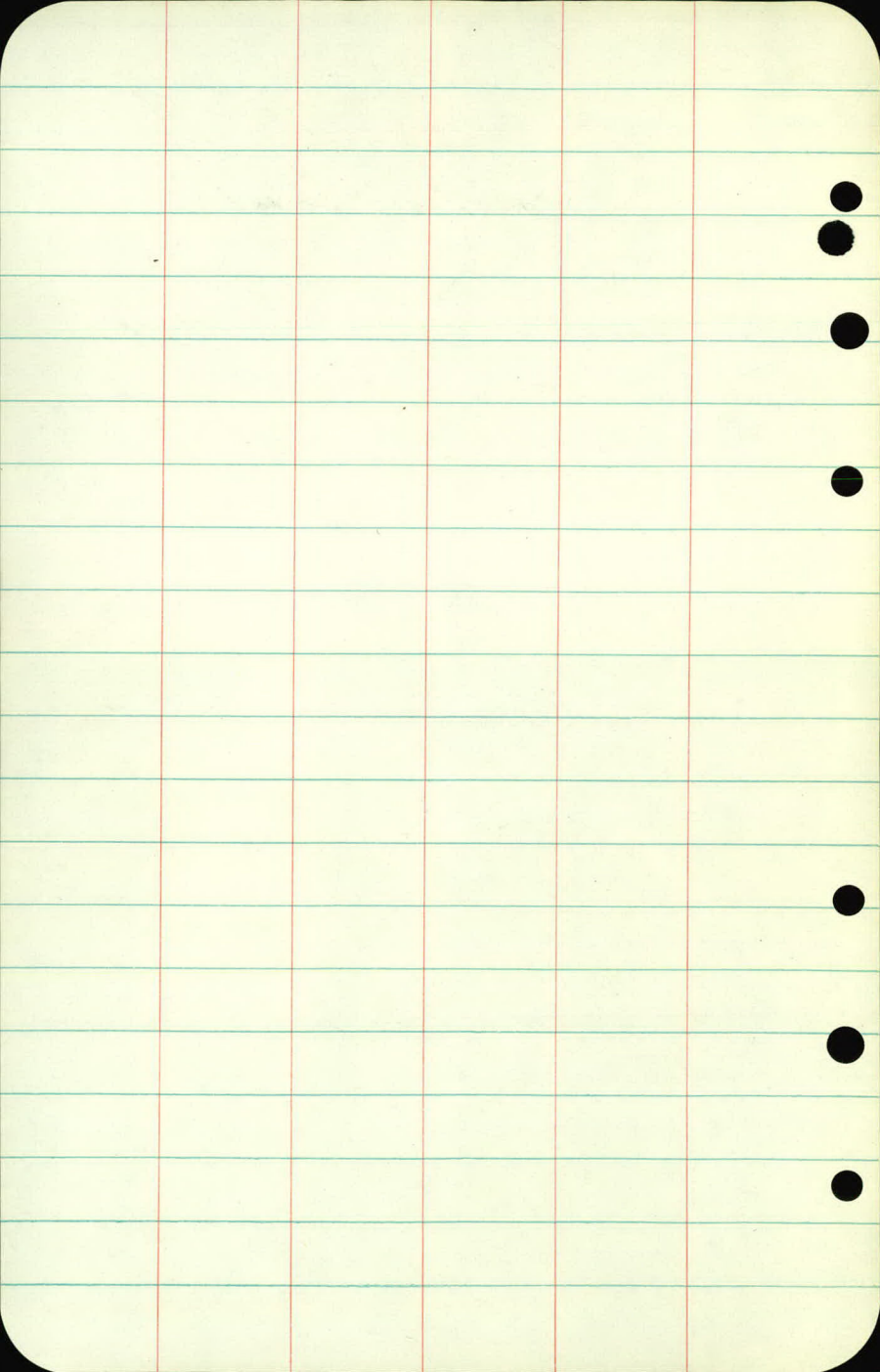
2

1+28.4 Cor. Bldg. 45 Rt.



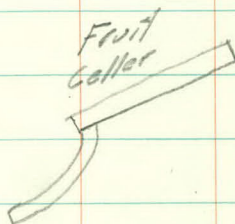
1+104 Cor. Bldg. 2.5 Lt



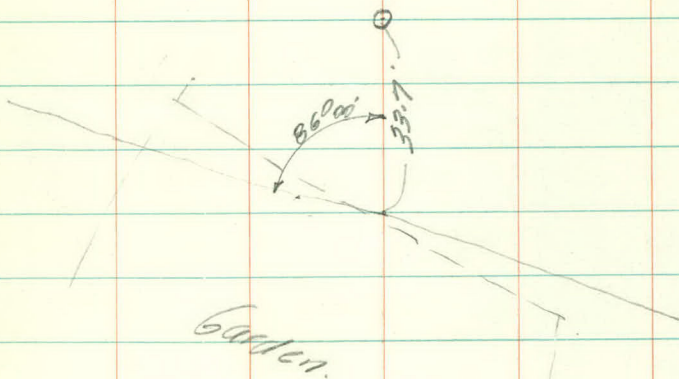


Drain Field Level

Septic Tank from Laundry



Septic Tank.



Sta.	+	π	-	Elev.
B.M.	3.3	103.3		100.00

0 +20			4.7	98.6
-------	--	--	-----	------

0 +33.7 RI.:

1+00			5.3	98.0
------	--	--	-----	------

0 +00			2.7	100.6
-------	--	--	-----	-------

+25			2.9	100.4
-----	--	--	-----	-------

+50			3.5	99.8
-----	--	--	-----	------

+75			4.7	98.6
-----	--	--	-----	------

1 +00			5.3	98.0
-------	--	--	-----	------

+25			4.7	98.6
-----	--	--	-----	------

+50			3.4	99.9
-----	--	--	-----	------

+61			1.3	02.0
-----	--	--	-----	------

Top Septic Tank (no bottom)
at 10'±

Edge of Road.

Drain Field Levels

Sta.	+	-	Elev.
------	---	---	-------

B.M.	0.0	100.00	100.00
------	-----	--------	--------

0+00 Ground at Septic Tank

+30

+60

0+87 P.I.
1100

0+25

+50

+75

1+00

+25

Scout's Tank from House.

6

Cen Sec. 11 (Top Mont.)

108.2
+8.2

02.3
+2.3

96.6
3.4

92.0
8.0

91.4
9.3 8.6 8.2
6 6

91.8
9.0 8.2 7.7
6

91.9
9.0 8.1 7.4
6 6

92.0
8.9 8.0 7.0
6 6

91.2
9.1 8.8 7.6
6 6

100.00

1 150

175

9.4
 6

9.2
 8.8
 6

8.2
 6

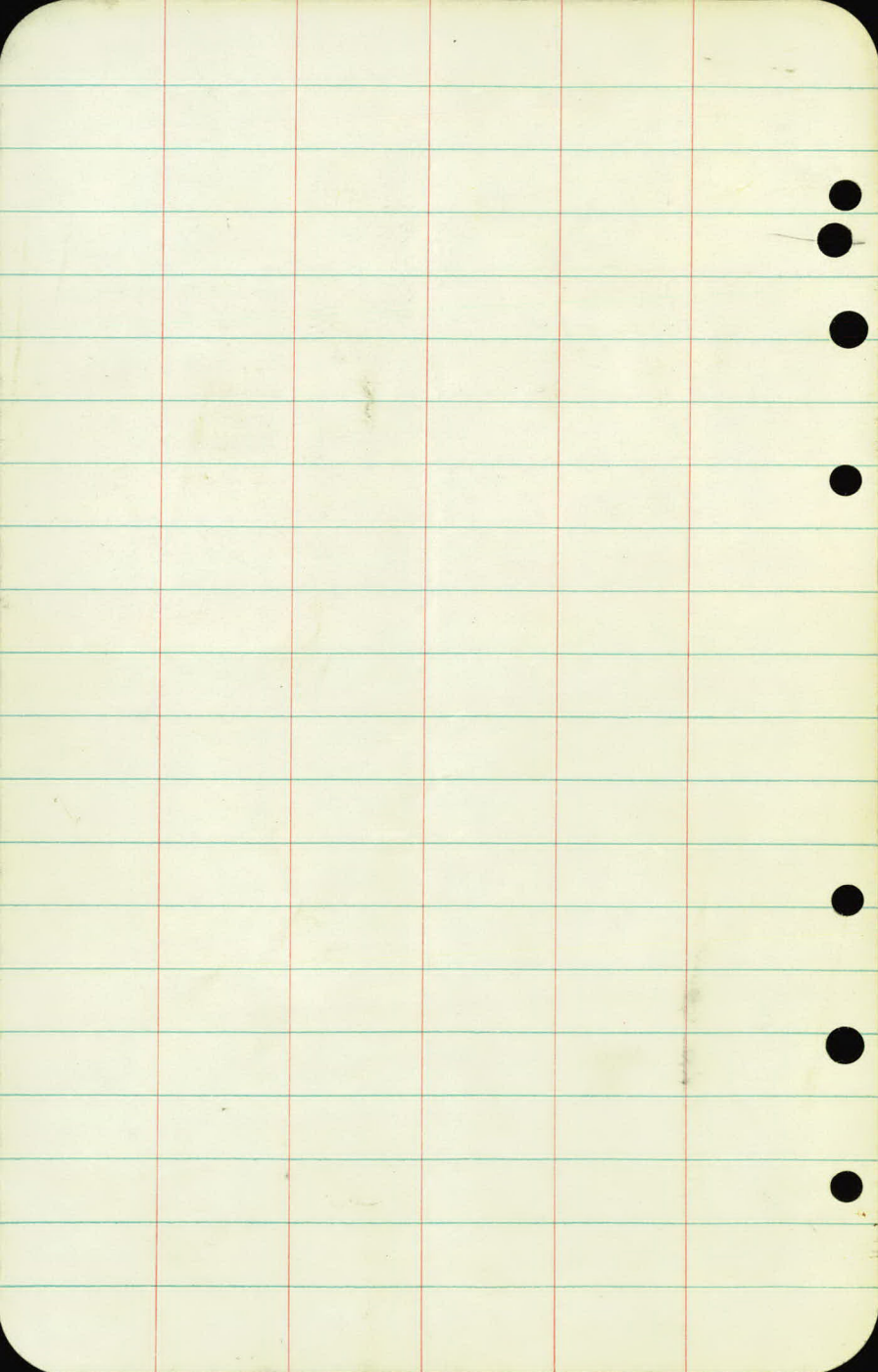
9.4
 6

9.3
 8.7
 6

8.2
 6

Septic Tank





Estimated Materials \$ 10,000.00

Sand, gravel & stone not included

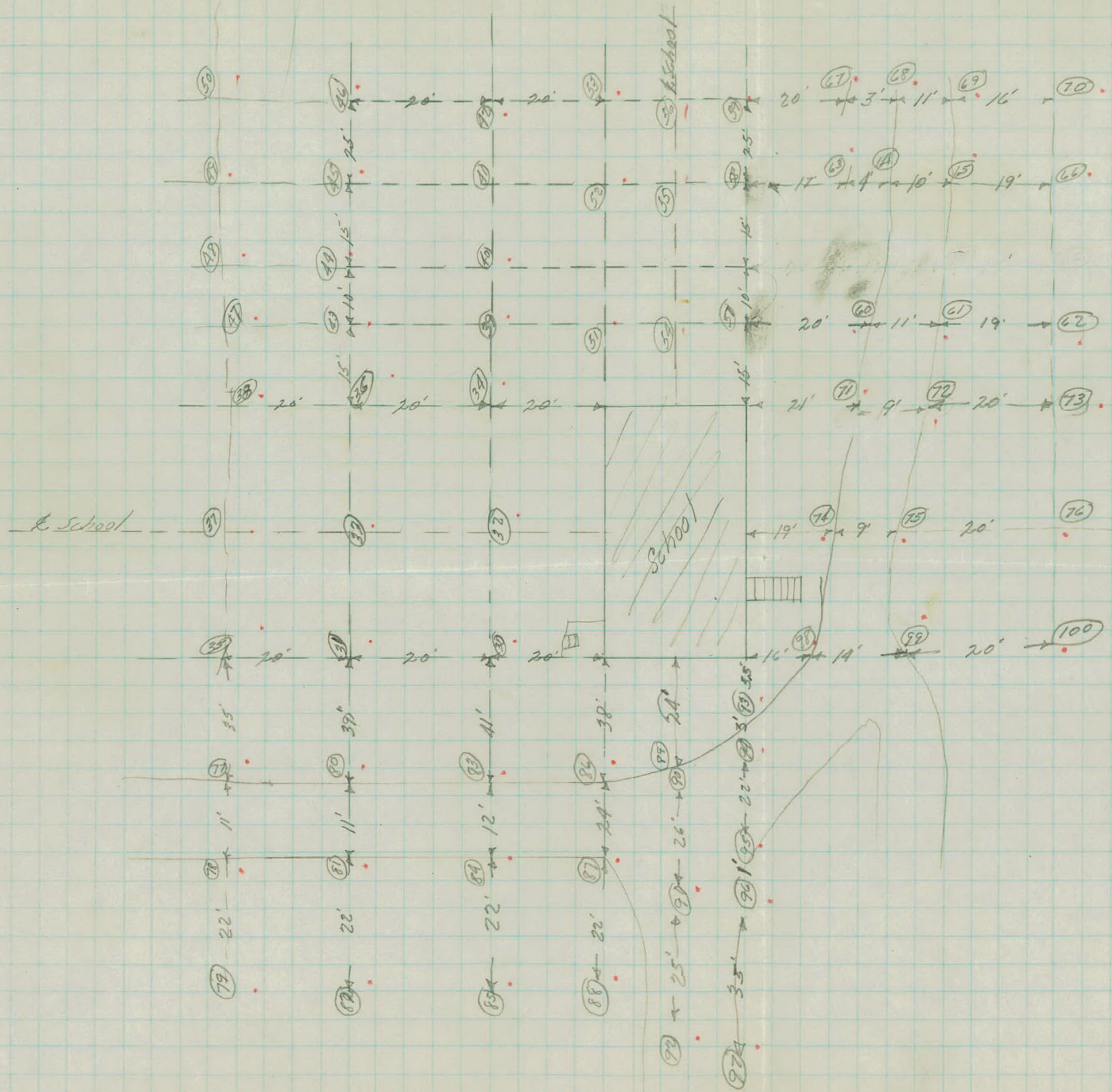
Approximately 730 perch of Stone.

Sand & gravel \$ 520.00

Boys Farm.

① = Indicates Rod Readings.

1-19-39



~~DATE~~
VERT.
ANGLE

ROD
EQUIV.

ROD

DIFF.

ELEV.

1

Boys Farm

Locations

A pages

Plat/col.

OBJECT

AZ.

STADIA

π at a point
 115.5' East of S.E. Cor Dormitory
 98' South of S. E " "

Point 'E of Dormitory 0° 00'

Ceptic tank 342° 03'

S.W. Cor. Shed 9° 00'
 S.E. " " 19° 02'

conc
 Block

12' N+3

18' EW

Outlet 97° 58' 56

Edge of Pond 81° - 108

S.E. Cor Dormitory 310° 24' 154

Edge of Pond 83° 30' 268

S.W. Cor Dormitory 298° 40' 207

Edge of Pond 80° 05' 362

Feb 21, 1955

2

FM
AM
10 DIST
MMc

VERT.
ANGLE

ROD
EQUIV.

Cold Clear 3°
ROD

DIFF.

ELEV

119

99

102

-6°55'

6°55'

+7°10'

-6°—

+7°10'

4°25'

OBJECT

AZI

STADIA

Edge of Pond

 $60^{\circ}30'$ 307

"

 $52^{\circ}30'$ 255

"

 $47^{\circ}15''$ 186

Ctr of Less pool

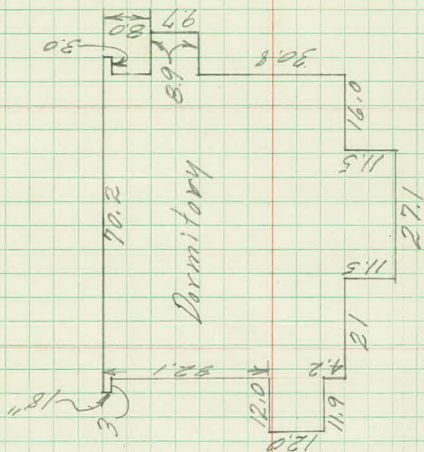
 359°

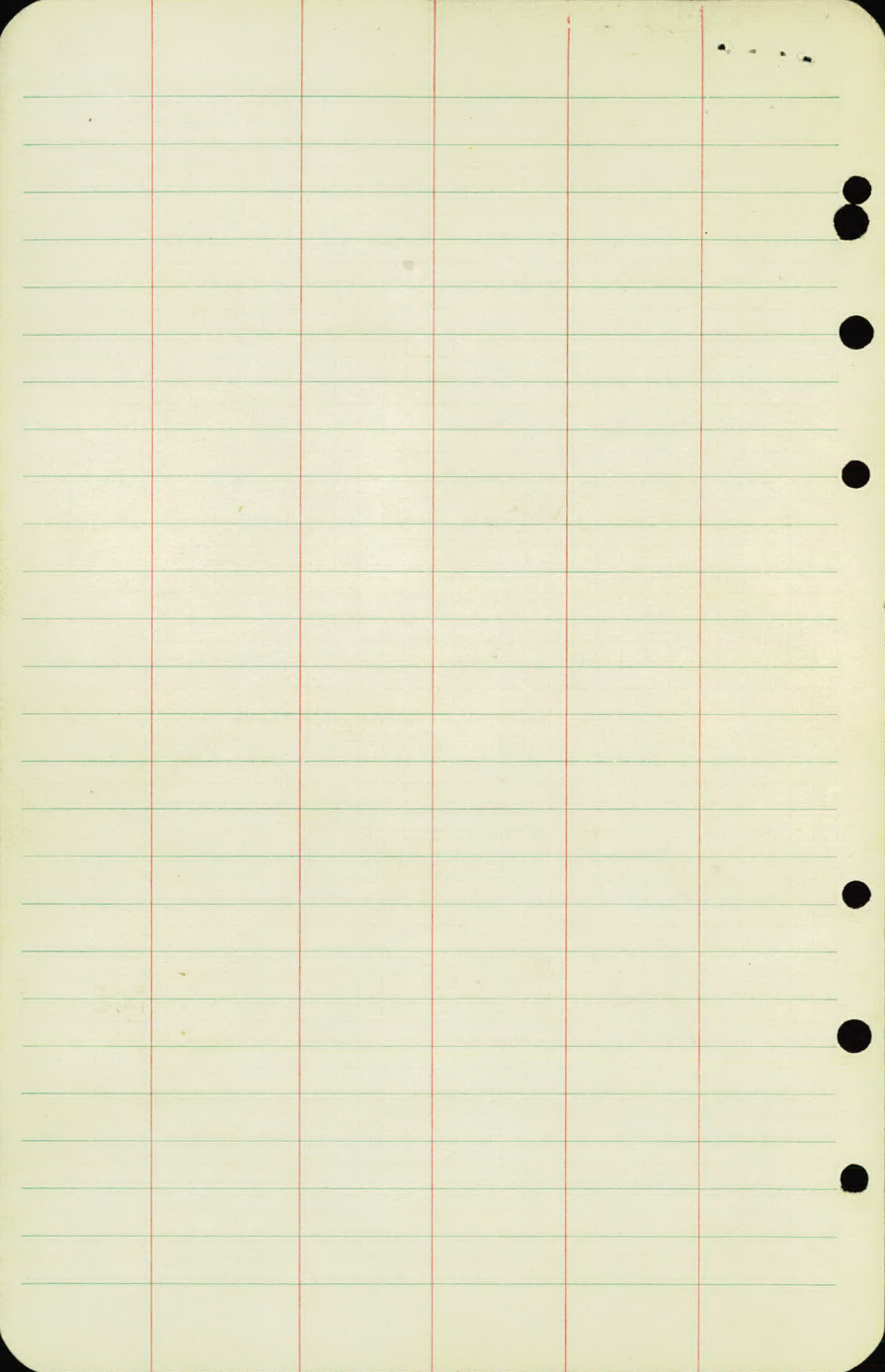
[illegible]

OBJECT

AZ.

STADIA





FA
LC
AB
CW

VERT.
ANGLE

ROD
EQUIV.

Jan 19, 1956

ROD

DIFF.

ELEV.

1

Boys Farm

Septic tank Locations

2 pages

Addition Contract to Deane Lundholm
5/24/56

OBJECT

AZ.

STADIA

$$\begin{array}{r} 155.39 \\ - 28.5 \\ \hline 126.89 \end{array}$$

Dormitory

Septic
Tank

S.E. Cor

81.76'

5.37'

96° 37 1/2'

155.39'

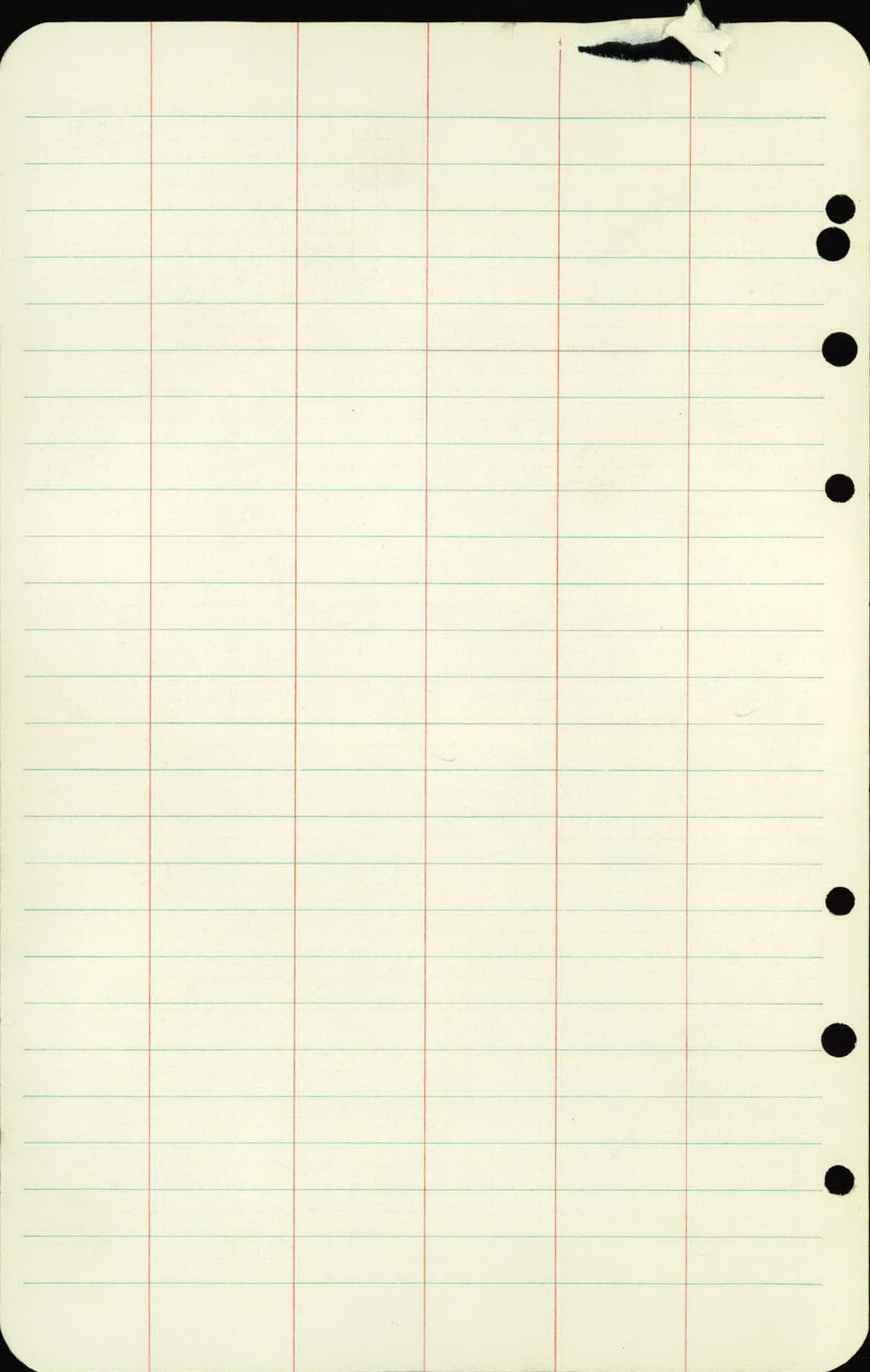
N.H.

G

197.55'

N





Boys Farm

Building Locations
+
Elevations

4 pages

Rec and plotted
11/29/55

Dimensions checked

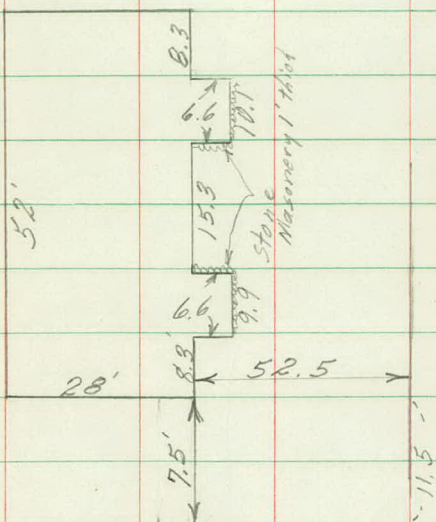
$1' = 8''$ should be $1' 3''$

$A' = 3.95'$

FK
LC
WJ

Nov. 28, 1955

2



School

Sta	+	Σ	-	Elev.
BM ^{NE Cr}	5.33	910.11		904.78

1st floor Dormitory	2.33	907.78	907.76
---------------------	------	--------	--------

	8.72	901.39	911.48
--	------	--------	--------

TP	3.29	910.45	2.95	907.16
----	------	--------	------	--------

a	4.45	06.00
---	------	-------

b	4.75	05.70
---	------	-------

c	4.54	05.91
---	------	-------

d	4.88	05.57
---	------	-------

e	5.05	05.40
---	------	-------

f	4.9	05.55
---	-----	-------

g	4.8	05.65
---	-----	-------

h	4.7	05.75
---	-----	-------

i	4.43	06.02
---	------	-------

j	4.63	05.82
---	------	-------

0+00 = S.E. Cor School to South

0+20

Nov 28. 1955

3

N.E. Cor. Con. Step Platform N.E. Cor. School

±

05.4	05.4	04.1	02.8	01.3	99.3	95.7	92.8
5.1	5.1	6.4	7.7	9.2	11.2	14.8	17.7
122	100	65	24		21	47	74

Sta + Δ - Elev

910.45

0+20

+40

✓

+60

T.P. 4.37 910.34 4.48 905.97

BM 5.54 904.80 (904.78)

Nov. 28, 1955

A

96.5 04.6
14.0 5.9 ↓
190 139

02.0 01.3 98.3 98.1 95.1 89.5
8.5 9.2 12.2 12.4 15.4 21.0
65 46 18 30 20

02.9 02.0 97.3 93.7
76 85 13.2 16.8 ✓
100 127 160 190

99.7 00.8 97.9 96.3 97.0 92.7
10.8 9.7 12.6 12.2 13.5 17.8 ✓
120 95 87 33 35

95.8
14.7
148

N.E. Cor. Conc Step Platform - NE Cor School

