

Book #104 - Dr. #8

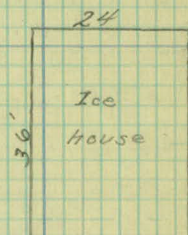
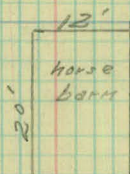
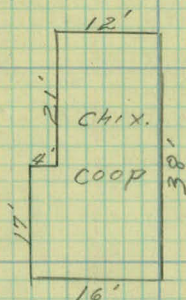
RAMSEY COUNTY RECREATION GROUNDS

Book #1

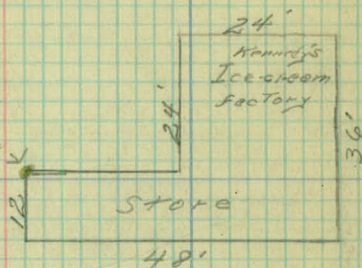
9-22-30

3-4-30

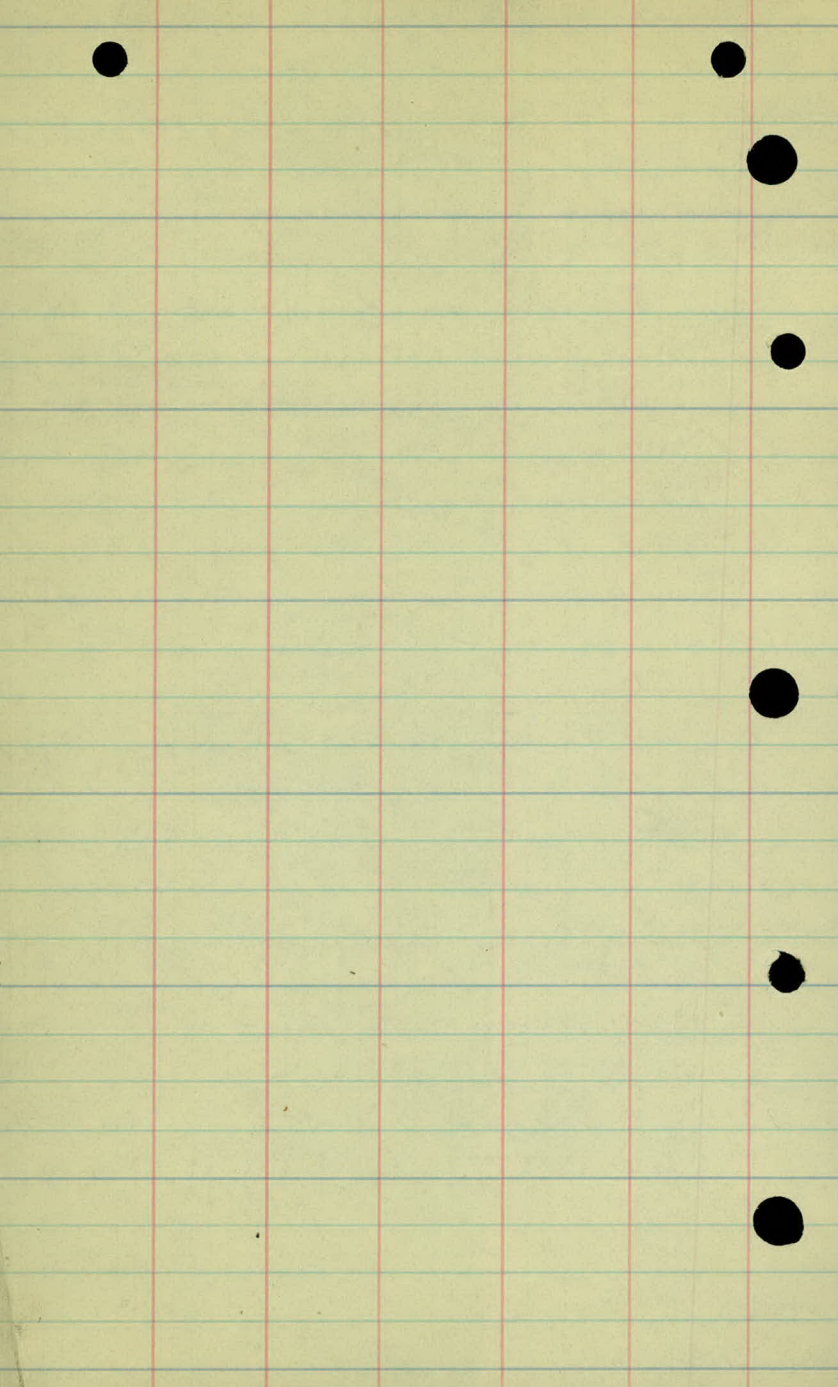
06 Page 29

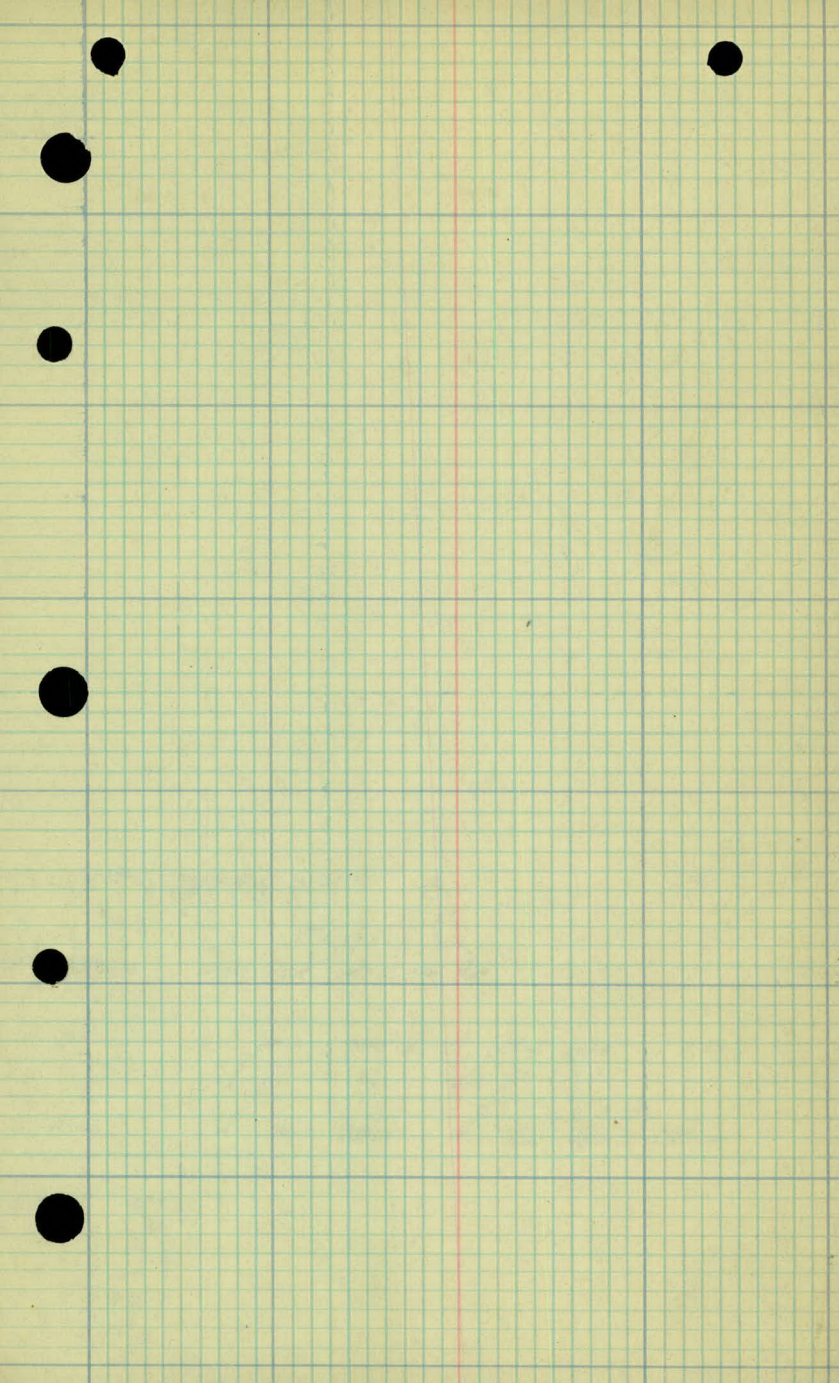


Point of shot ↓



S.T.H. No. 1.





Cont'd At 07

6" oak	✓	303-20	68
6" "	✓	307-15	70
10" "	✓	323-25	59
10" "	✓	318-40	68
12" "	✓	340-00	62
12" " on fence line	✓	329-45	68
15" "	✓	345-45	60
10" "	✓	353-10	76
15" "	✓	305-55	86
15" " on fence line	✓	4-50	120
12" "	✓	9-45	94
10" "	✓	7-25	105
6" "	✓	6-10	130
12" "	✓	10-00	112
12" "	✓	12-10	114
8" "	✓	9-35	145
12" "	✓	10-00	125
12" "	✓	17-30	126
12" " on fence line	✓	18-30	161
15" oak	✓	26-00	210
12" " on fence line	✓	14-10	185
12" "	✓	23-50	215
10" "	✓	16-00	198
15" "	✓	24-40	222
12" "	✓	17-00	205
12" "	✓	24-15	266
12" "	✓	13-00	222

2-4-30

Cont'd. A707

18" oak	✓	23-55	285
15" "	✓	28-15	290
12" " on fence line	✓	14-20	250
12" "	✓	28-45	305
15" "	✓	23-50	312
12" " twin	✓	31-40	325
18" "	✓	29-45	345
12" "	✓	34-30	355
15" "	✓	14-00	275
12" "	✓	34-30	360
12" "	✓	14-30	320
18" "	✓	34-30	390
10" "	✓	16-00	350
15" " on fence line	✓	15-15	366
15" "	✓	13-00	385
N.W. cor shed 20'S x 16'E		19-15	395
End fence on NE cor. shed			

A708

chk Az. top flag pole W. 112.50

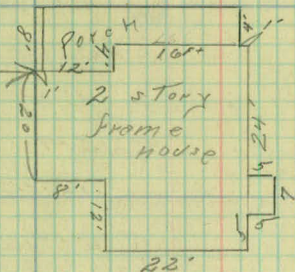
A707	✓		408	
A709	✓	Vert Δ		
	✓	+6-45	273-45	256
1	✓			
12" oak	✓		275-00	34
12" "	✓		62-40	56
8" "	✓		26-45	22

Rod

7.3

St. H, no. 1.

Point where
shot taken



Private drive

Cont'd A# 8

15" oak	31-40	50
10" "	4-40	21
15" "	9-00	74
12" "	339-40	33
12" "	359-35	47
8" B. Elder	307-10	102
15" oak	325-15	100
10" "	311-15	106
6" "	311-15	107
3" B. elder	315-15	107
8" " "	318.30	112
S.W. cor garage 12'N20'E	317-40	128
6" Bx elder	323-50	147
4-6" " "	324-25	136
3-6" " "	326-50	146
3-8" " "	329-00	160
8" " "	339-25	160
10" " "	341-40	170
4-6" " "	340-10	190
12" " "	344-30	178
8" " "	330-30	198
6" " "	346-15	186
18" oak	21-00	190
15" "	19-45	275
15" "	28-30	200
15" "	29-35	278
12" "	35-40	232

7-4-30

Cont'd AT 08

10" oak	34-30	236V
15" "	35-35	252V
15" "	33-15	340V
12" "	32-35	355V
12" "	27-20	355V
10" "	29-00	352V

H

3-5-30

AT 09

CHK A3 Slog pote

to 08

to 010

N.E. cor house prop +

6" apple tree

8" " "

4" " "

4" plum "

4" " "

4" apple "

4" " "

4" " "

4" " "

4" " "

4" " "

6" " "

8" " "

4" " "

108-33

258V

20-57 400V

27-55 103V

12-40 120V

13-25 142V

6-30 123V

351-30 90V

337-50 61V

303-25 45V

280-30 47V

233-00 96V

238-30 100V

234-10 118V

229-35 115V

214-00 91V

206-50 72V

199-35 75V

3-4-30

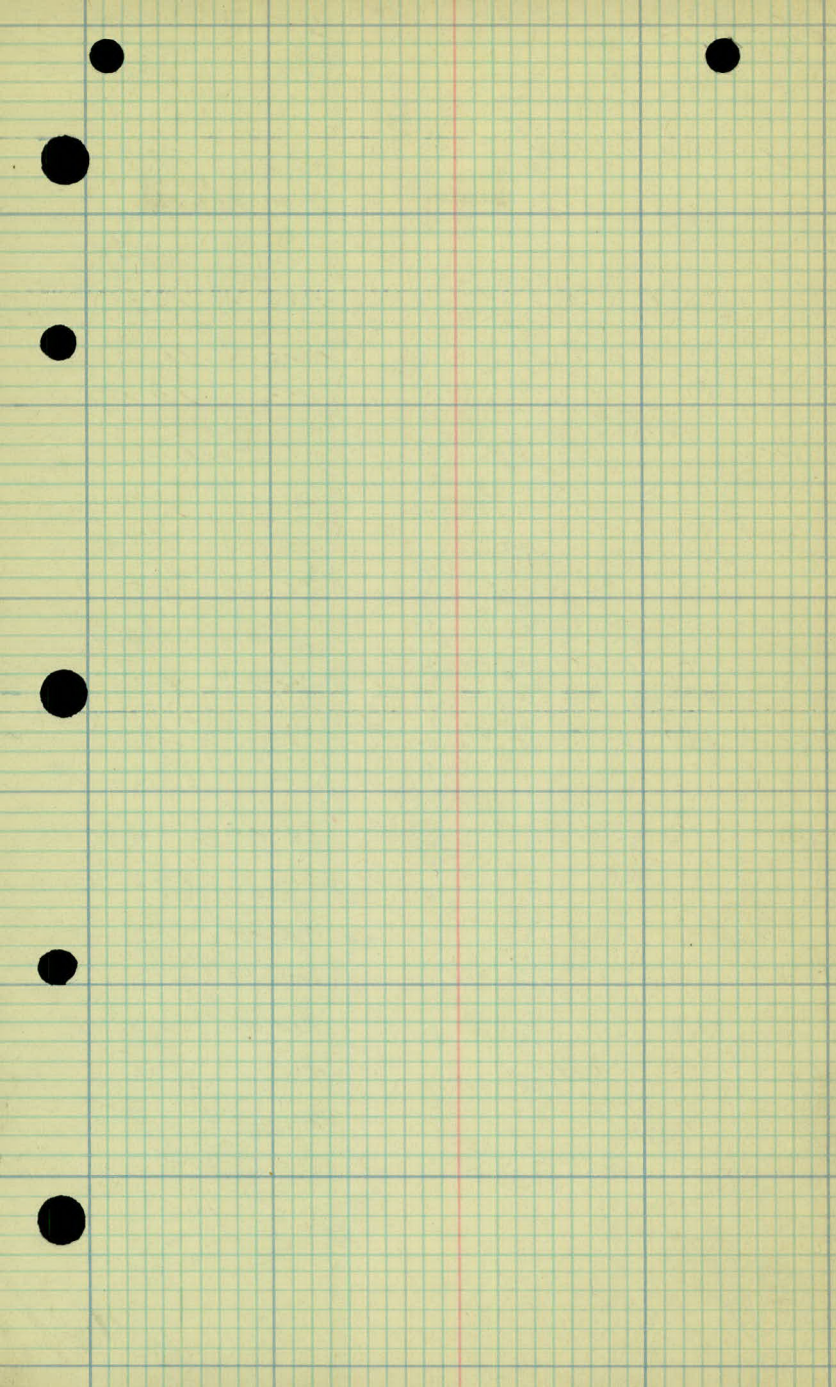
drawing of house on back of page 39

3-5-30
Page 1

Azimuth Station

Cont'd of 69

4" apple tree	201-35	93
4" " "	198-05	115
4" " "	183-55	129
4" " "	180-00	132
6" " "	146-00	165
6" " "	159-10	192
4" " "	155-35	180
6" " "	161-20	123
4" " "	171-35	99
2" " "	186-35	83
6" " "	165-30	53
6" " "	148-55	42
6" " "	296-15	05
6" " "	47-40	33
6" " "	98-20	76
6" " "	134-30	100
6" " "	152-00	119
8" oak	249-30	87
10" " "	245-25	95
10" " "	239-45	111
10" " "	235-40	127
12" " "	230-40	160
P.P.	225-20	220
P.P.	215-50	470
£ St. H. No. 1	218-15	475
P.P.	218-45	347



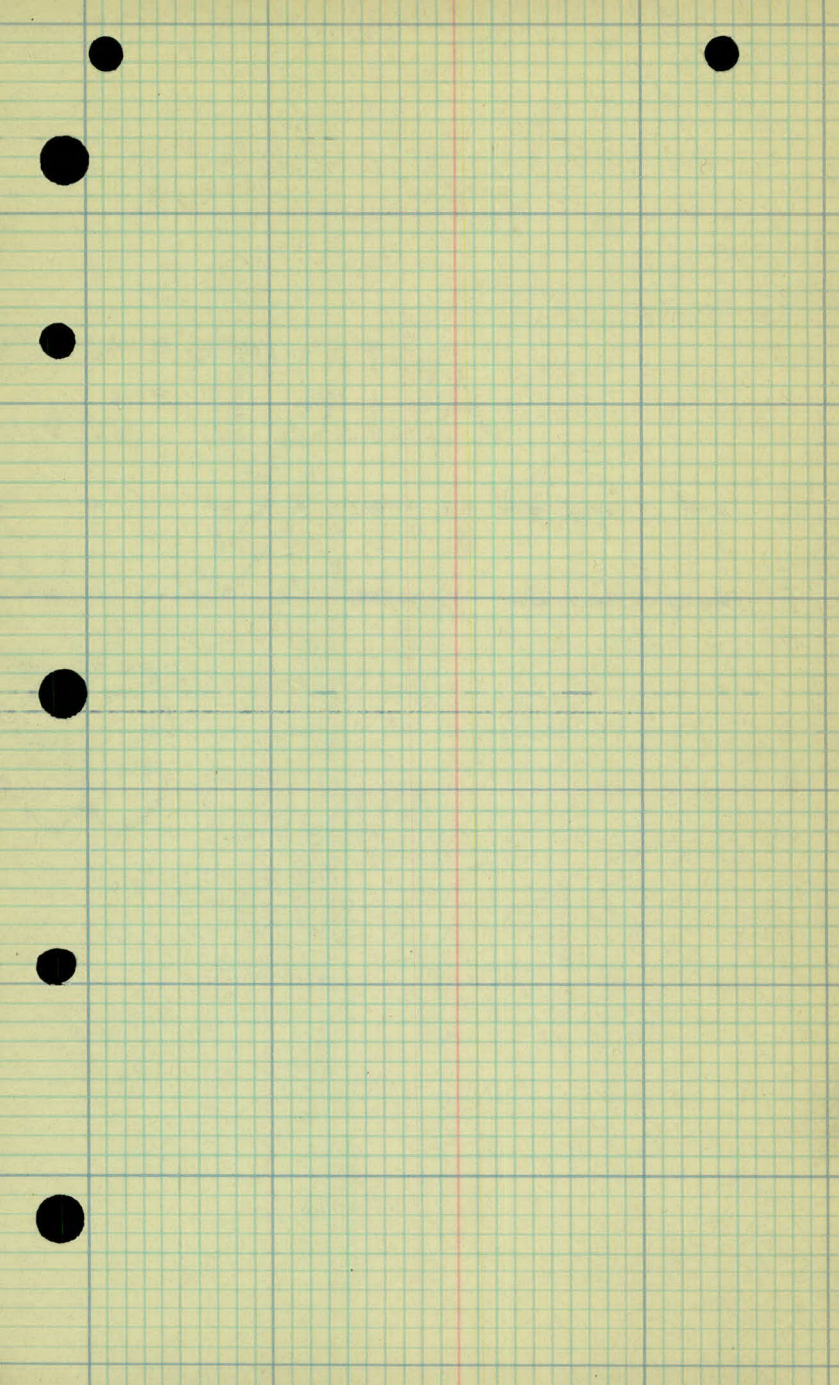
3-5-30

Azimuth Stadia

Page 12

Cont'd At 89

£ S.H. mol	✓	230-10	226
P.P.	✓	248-30	102
P.P.	✓	336-15	84
£ S.H. mol	✓	330-40	103
£ " " "	✓	2-05	215
P.P.	✓	7-35	206
W. edge S.H. mol at E private drive		1-50	180
£ private drive	✓	20-05	160
£ " "	✓	43-50	150
£ " " at garage	✓	61-25	163
14" Bx elder	✓	40-30	170
12" " "	✓	42-35	141
15" " "	✓	44-50	125
8" " "	✓	50-25	160
8" " "	✓	66-15	152
8" " "	✓	70-00	145
10" " "	✓	74-25	140
2-6" " "	✓	84-50	140
6" " "	✓	88-30	130
6" " "	✓	91-30	134
10" " "	✓	90-00	110



AK 010

AK Az - flag pole to N.W. 128.29

to 09 399

to 011 35.40 131

N.E. cor. barn 56' S x 32 W. 185.00 180

12" oak 214.10 192

10" " 213.20 196

6" Bx elder 208.20 208

8" " " 201.15 210

6" plum tr 201.15 224

6" Locust tr 198.00 225

11" elm 197.15 213

18" cotton 194.25 228

3" Bx elder 193.45 215

12" " " 195.15 250

3" " " 193.10 205

6" maple 192.45 196

3" elm 196.45 204

8" maple 192.05 185

10" " 195.50 180

6" " 200.50 177

15" oak 196.00 167

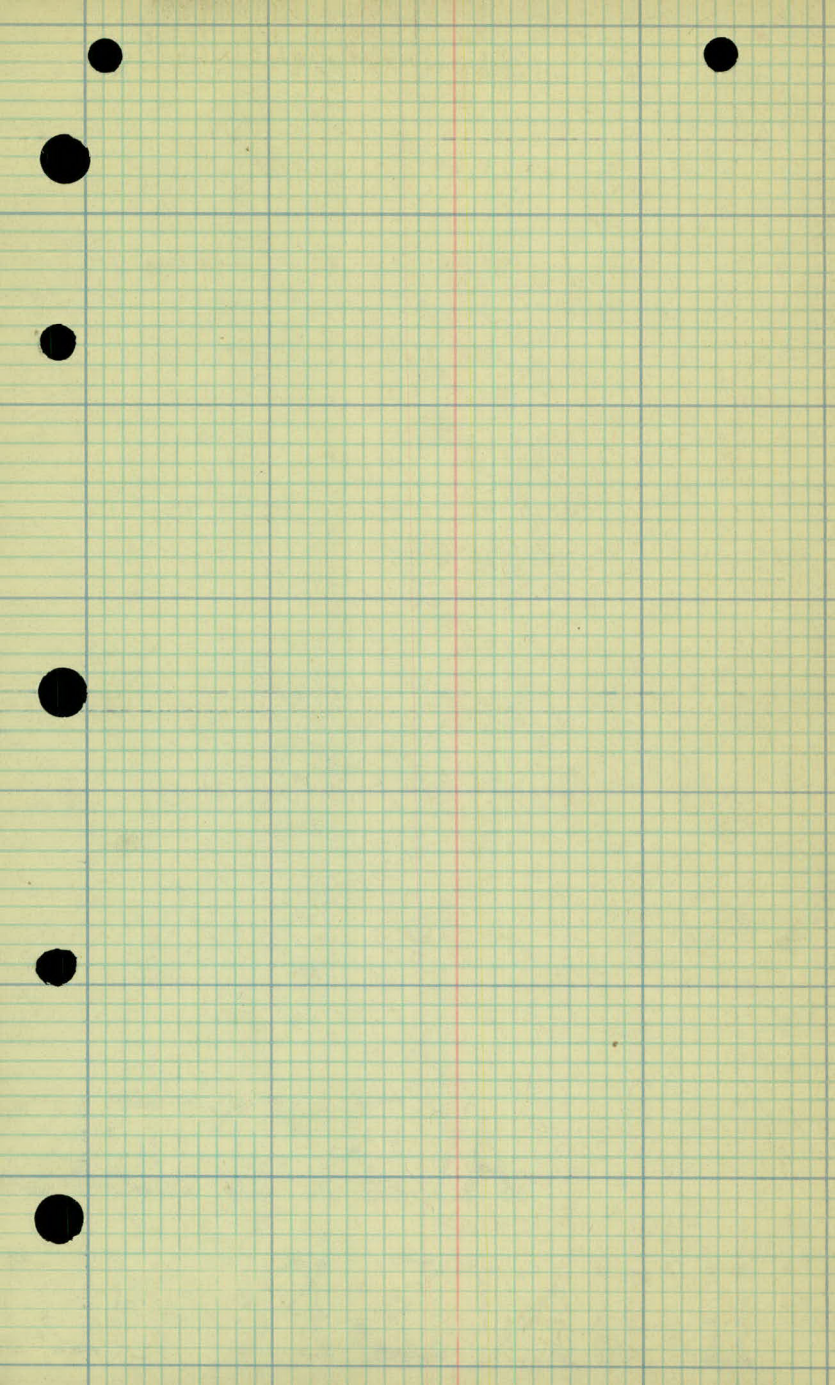
2 drive 187.30 150

2 " 200.30 162

2 " 205.00 190

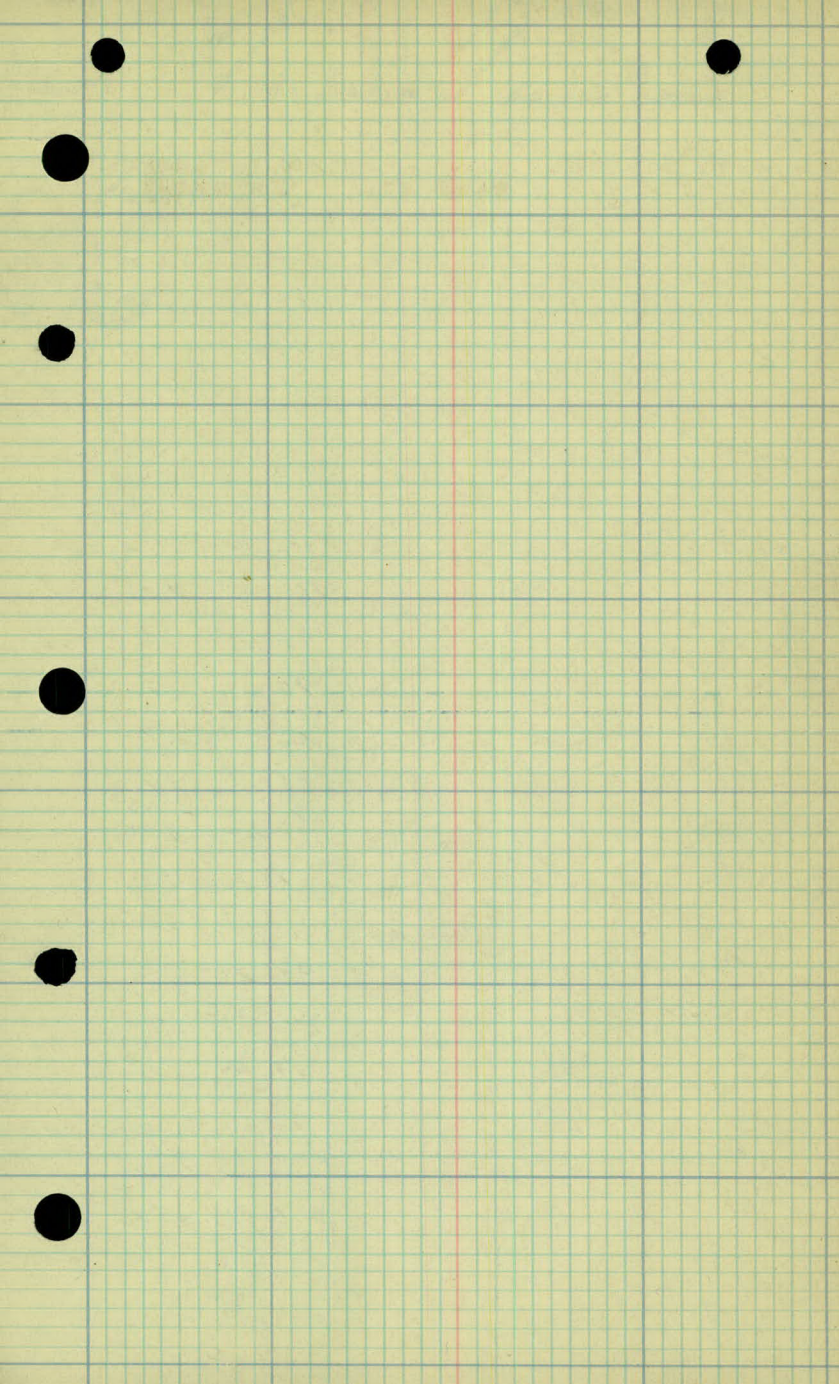
2 " 205.30 235

18" oak 204.00 145



Cont'd At 010

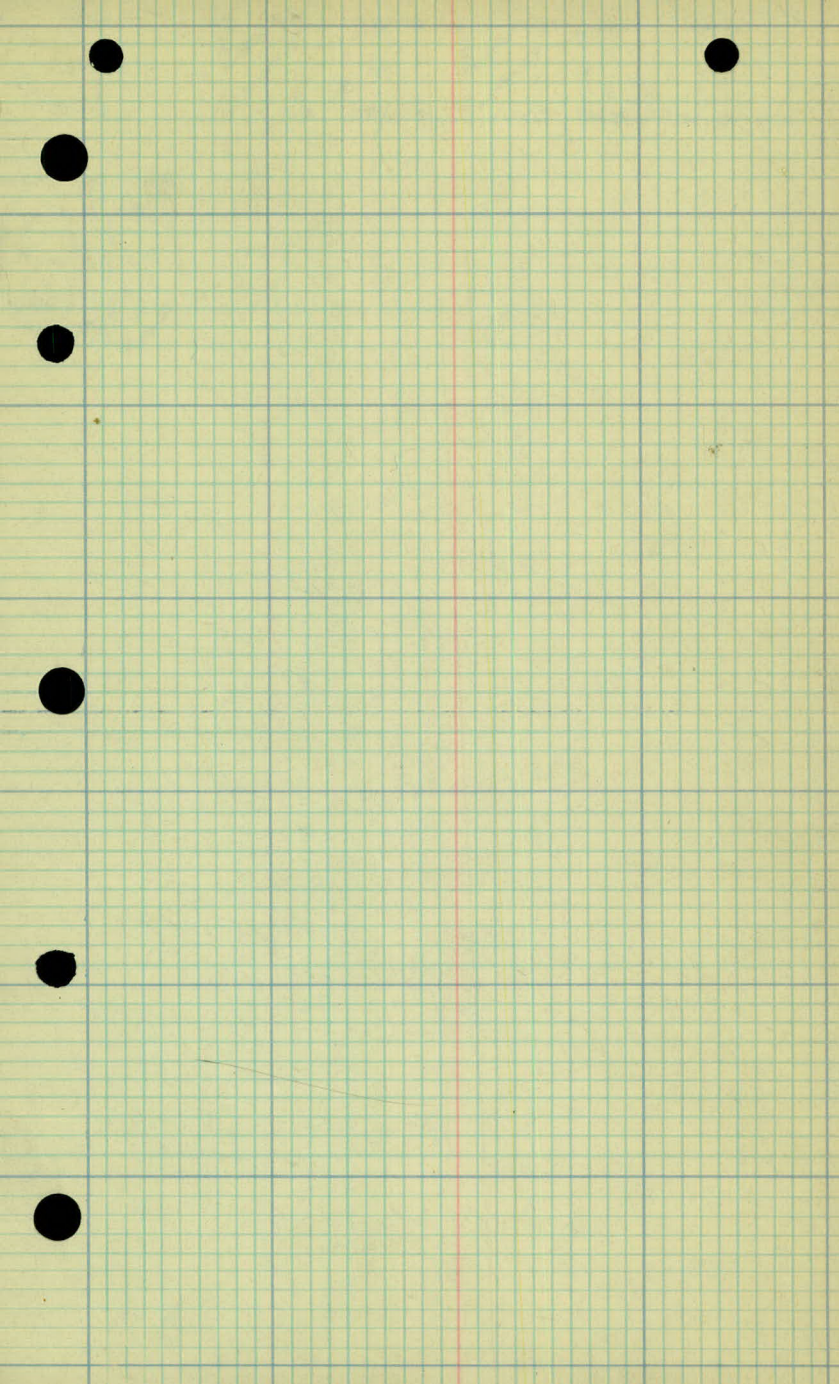
18"	024	204-30	128✓
2-18"	"	208-00	136✓
12"	"	220-30	112✓
18"	" bog of fence	212-10	104✓
20"	"	218-30	96✓
20"	"	216-40	96✓
20"	"	217-20	87✓
18"	"	213-10	92✓
20"	"	190-30	117✓
15"	" on fence line	231-25	64✓
15"	"	179-00	55✓
24"	" on fence line	248-15	45✓
18"	"	260-30	29
12"	"	260-30	32
24"	"	319-00	28
20"	"	330-30	28
18"	"	357-00	44
15"	"	38-20	71
12"	"	29-25	90
15"	"	10-00	101
15"	"	28-00	100
12"	"	9-00	110
15"	"	4-00	114
12"	"	39-30	99
15"	"	23-00	120
12"	" on fence line	6-10	132



Contd At 10

12"	02K	14-00	145✓
12"	"	27-20	135✓
18"	"	87-15	77✓
12"	"	55-10	110✓
12"	"	98-00	124✓
12"	"	65-05	115✓
18"	"	95-30	136✓
12"	"	81-10	125✓
10"	"	126-00	133✓
10"	"	100-00	300✓
12"	"	92-40	264✓
10"	"	97-30	295✓
12"	"	93-30	275✓
10"	"	95-15	295✓
12"	"	91-25	300✓
12"	"	87-35	268✓
10"	"	83-45	240✓
£ S.H. no. 1.		246-20	93✓
P.P.		241-35	70✓
£ S.H. no. 1.		334-00	102✓
P.P.		346-15	87✓
£ S.H. no. 1.		353-35	212✓
P.P.		359-30	212✓

#



46 3-5-30 A3 St2

At 0 11 - HI = 51

CHK. A3. to flag pole N.W. 134-53

to 0 10

131 ✓

to 0 12

vert. Δ Rod

354-44 403 ✓

12" oak

-11-30 5.1

128-00 130 125 ✓

12" "

-10-40 5.1

137-30 120 114 ✓

12" "

145-45 112 ✓

18" "

-12-15 5.1

138-35 81 75 ✓

12" "

145-00 101 ✓

10" "

-13-55 5.1

132-50 81 75 ✓

10" "

-12-00 5.1

139-30 57 ✓

10" "

-12-00 5.1

137-30 57 53 ✓

18" "

-16-00 5.1

122-05 95 89 ✓

12" "

147-15 50 ✓

12" "

-17-05 5.1

122-15 75 70 ✓

10" "

-15-15 5.1

115-05 26 23 ✓

12" "

-17-45 5.1

120-30 77 72 ✓

12" "

-17-20 5.1

120-30 64 59 ✓

15" "

-18-00 5.1

118-05 75 70 ✓

12" "

-19-30 5.1

111-20 65 60 ✓

18" "

-20-00 5.1

101-00 75 70 ✓

10" "

-20-45 5.1

103-15 60 54 ✓

12" "

-22-15 5.1

84-35 61 54 ✓

10" " twin

-21-05 5.1

82-35 42 36 ✓

12" "

-19-50 5.1

52-40 63 57 ✓

10" "

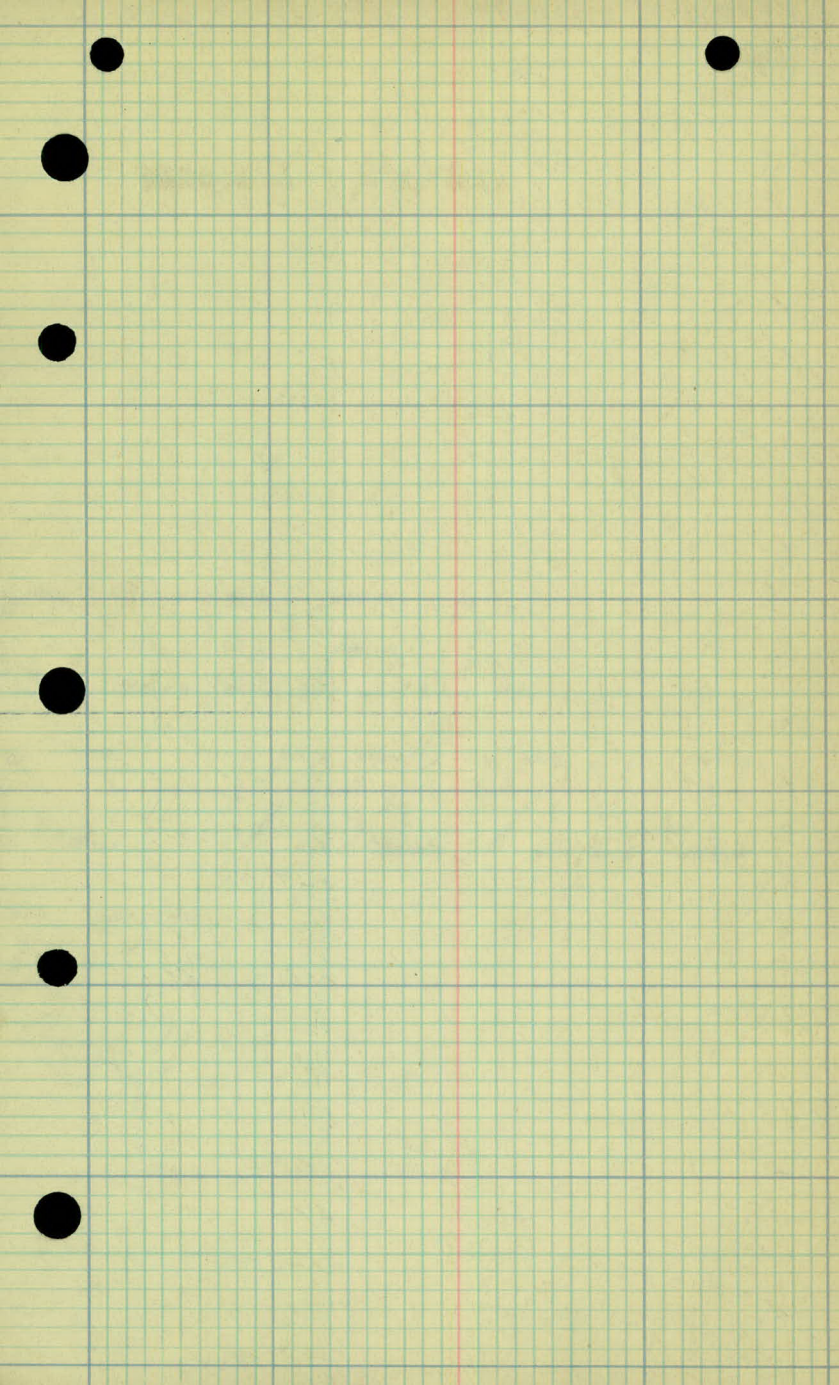
-21-05 5.1

69-00 45 41 ✓

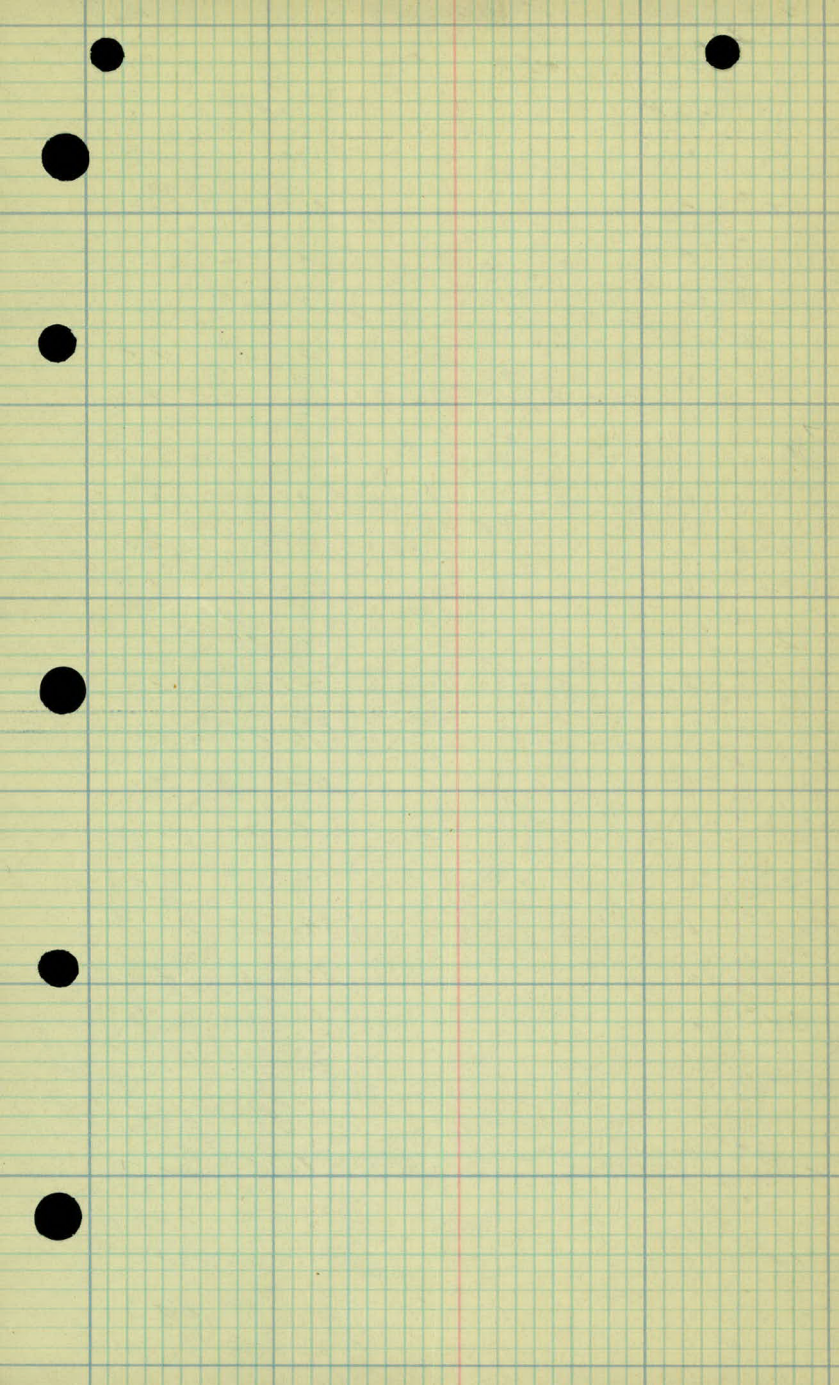
15" "

-18-50 5.1

43-25 74 68 ✓



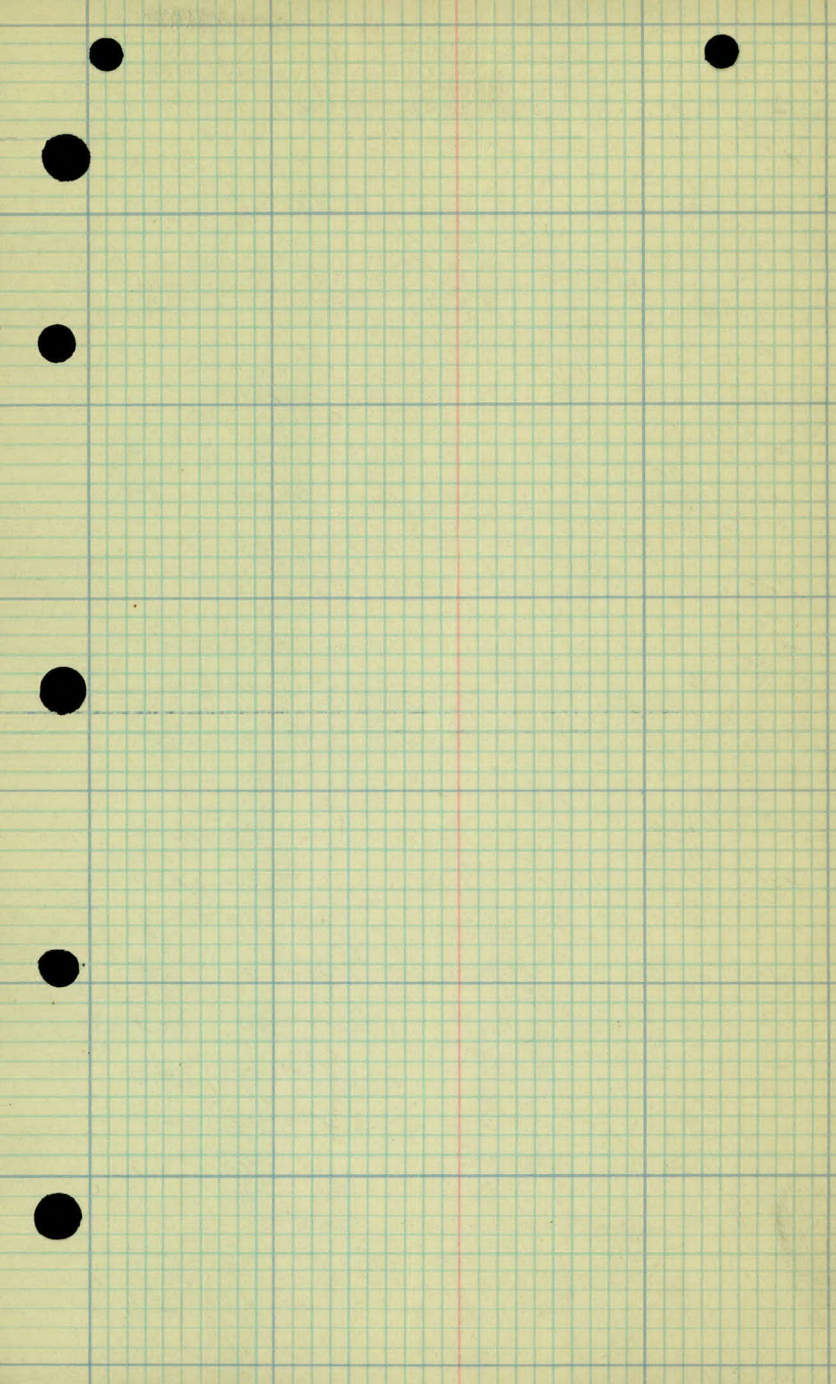
47	3-5-30			A3	542	
CONT. A+D11		vert Δ	Mod			
15" oak	-10-15	5.1	44-00	8	✓	
12" "	-16-15	5.1	36-35	81	✓	
15" "			359-40	36	✓	
12" "	-14-20	5.1	29-50	74	✓	
18" "	-14-00	5.1	29-45	76	✓	
12" "			347-30	50	✓	
8" " twin	-12-25	5.1	24-05	82	✓	
10" "			13-30	56	✓	
15" "	-14-00	5.1	26-50	102	✓	
15" "			19-15	55	✓	
12" "			26-00	56	✓	
12" "			11-30	92	✓	
15" "			355-20	84	✓	
10" "			0-00	106	✓	
10" "			334-15	90	✓	
15" "			353-30	122	✓	
15" "			328-00	108	✓	
18" "			341-55	135	✓	
15" "			339-00	102	✓	
15" "			338-20	153	✓	
12" "			340-45	171	✓	
15" "			341-05	178	✓	
12" "			6-50	121	✓	
10" "			348-00	193	✓	
12" "			12-15	730	✓	
12" "	-10-30	5.1	15-10	136	✓	
12" "			353-00	178	✓	



48 3-5-30 43. 570

CONT'D AT 011

12" oak	✓	9-15	156
12" " twin	✓	4-40	150
10" "	✓	356-35	174
10" "	✓	2-30	145
12" "	✓	358-50	185
12" "	✓	5-20	173
10" "	✓	357-00	190
12" "	✓	2-50	185
12" "	✓	1-30	188
12" "	✓	4-25	207
12" "	✓	359-30	208
24" "	✓	1-40	230
12" "	✓	357-00	223
18" "	✓	1-20	240
10" "	✓	352-00	210
8" "	✓	0-20	264
20" "	✓	347-15	208
15" "	✓	346-30	216
12" "	✓	350-20	220
18" "	✓	349-55	252
24" " on fence line	✓	345-00	240
15" "	✓	353-00	252
24" " on fence line	✓	346-40	260
15" "	✓	351-50	270
18" " on fence line	✓	348-20	280
20" "	✓	357-50	288
24" " fence cor	✓	350-00	318



49

35-30

Azimuth Stadia

Cond't A + 0 11

± St. H. no. 1.

343-35 305 ✓

P.P.

342-55 250 ✓

± St. H. no. 1.

335-20 220 ✓

#

At 0 12 - HI = 5.0

Chk Az. Flag pole to NW. 144-42

to 0 11

402 ✓

to 0 13

13-01 415 ✓

vert Δ

Red

Azimuth

Stadia ✓

T₆ fence line

174-25 86 ✓

12" oak

178-25 76 ✓

24" "

206-30 52 ✓

18" "

157-45 70 ✓

NE cor woods

T₆ line fence

-11-15

5.0

148-15 101 ✓

12" oak

225-30 15 ✓

Short lake NW edge trees

end T₆ line fence

-10-40

5.0

130-45 134 ✓

16" oak

245-00 6 ✓

E. line woods

-19-30

5.0

106-50 46 ✓

15" oak

-24-25

5.0

114-00 47 ✓

12" "

316-10 20 ✓

15" "

344-30 30 ✓

E. line woods

-15-00

5.0

58-45 79 ✓

15" oak

9.50 99 ✓

12" "

35-45 128 ✓

8" "

-15-15

5.0

41-25 39 ✓

12" "

32-40 42 ✓

this strip of woods is about
50' wide and runs S. from the
line fence following lake shore
the lake shore is one boundary
of the strip

30 3-5-30

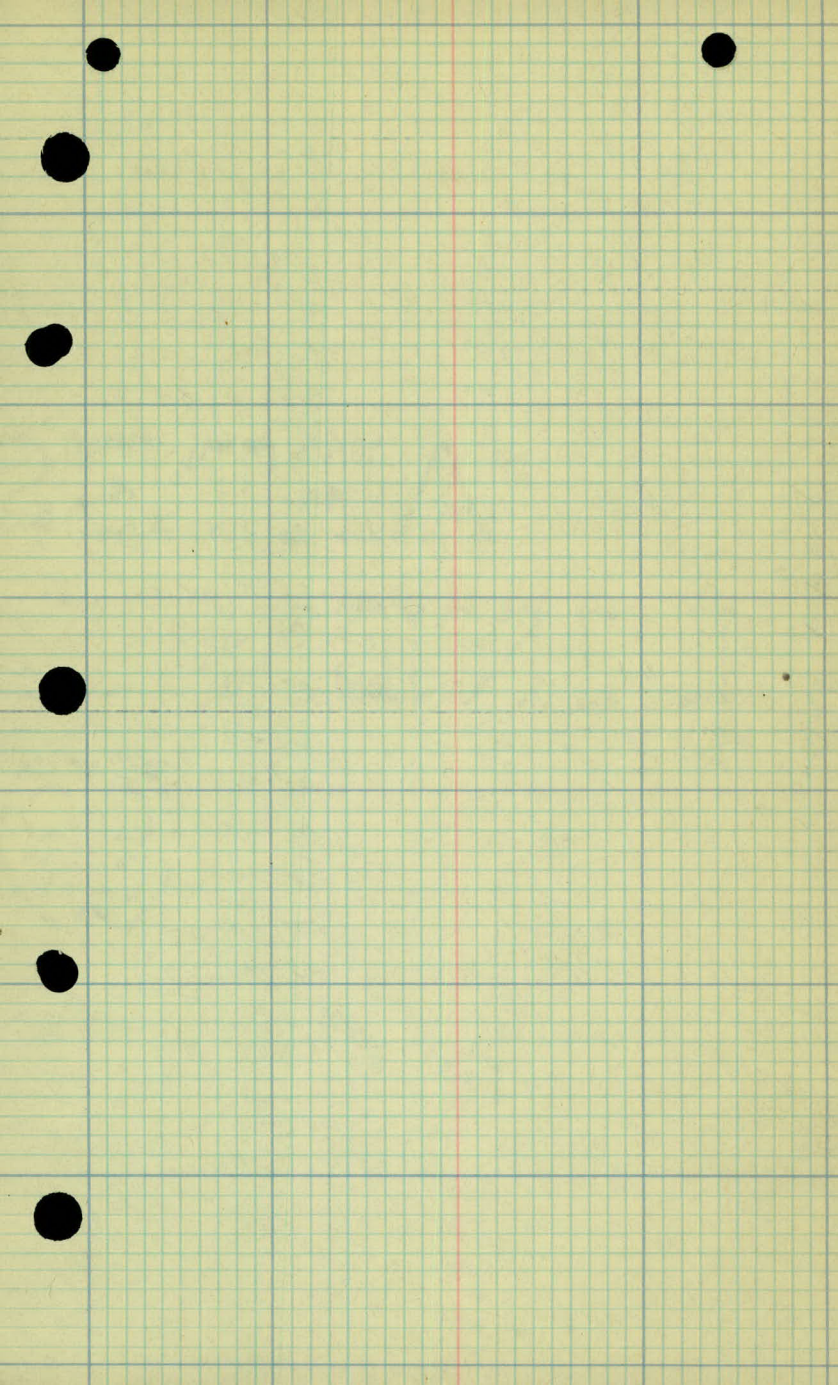
Azi

Sta

Vert Δ Rod

Cont'd At 012

12" oak	✓	35-40	142
15" "	✓	22-05	48
15" "	✓	29-20	144
15" "	✓	35-30	117
12" "	✓	4-15	135
15" "	✓	23-15	170
12" "	✓	15-35	136
8" "	✓	22-45	185
12" "	✓	20-20	136
18" "	✓	27-35	190
10" "	✓	7-50	167
12" "	✓	29-20	214
12" "	✓	8-20	167
12" "	✓	24-45	208
12" "	✓	11-20	180
12" "	✓	21-00	205
10" "	✓	24-25	220
15" "	✓	18-45	220
12" "	✓	32-15	242
18" "	✓	18-35	227
12" "	✓	28-45	251
15" "	✓	19-35	235
12" "	✓	27-50	265
12" "	✓	34-25	280
15" "	✓	36-15	270
12" " on SE edge woods	✓	40-18	263



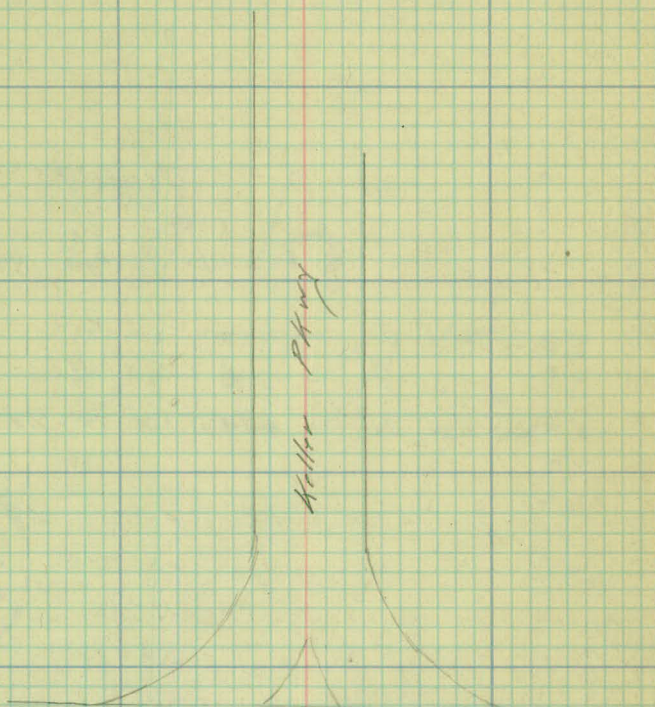
51 3-5-30 Azl Str

vert Rod

Cont'd At 612

10" Bl. elder	40-00	290V	✓
10" " "	40-10	290V	✓
S.E. edge woods	37-40	230V	✓
E edge woods	37-10	172	✓
W. edge woods & short line	59-45	180	✓
" " " " "	"-10-50 5.0	72-10	133V
" " " " "	"-12-50 5.0	96-10	112V
L. St.H. no. 1	+12-10 5.0	235-15	57V
P.P.	+20-00 5.0	241-00	34V
L. St.H. no. 1	345-50	145	✓
L. St.H. no. 1	353-50	243	✓
W. edge Nat. ot Keller pkwy	351-35	155	✓
L. Keller pkwy.	357-20	184V	✓
" " "	3-35	212V	✓
" " "	11-40	248V	✓
" " "	17-35	270	✓
" " "	27-00	296	✓
" " "	35-35	318	✓
" " "	47-30	346	✓
" " "	6-20	246	✓
" " "	0-20	246	✓
W. edge Nat. ot Keller pkwy	356-15	256	✓

#



5.4.10.1.

52

3-5-30

A31

Sta

At 013 - H.I. = 5.2

Chk A3. Flag pole to NW. 154-31

to 012

415 ✓

to 014

41-40 345 ✓

Vert Δ Rod

A31

✓

P.P.

210-20 166 ✓

15" oak

-10-50 5.2

212-10 98 ✓

stop sign

208-00 162 ✓

15" oak

-10-30 5.2

206-45 89 ✓

20" "

204-40 170 ✓

12" "

-10-30 5.2

232-50 89 ✓

18" "

-10-00 5.2

234-45 100 ✓

15" "

213-20 165 ✓

24" "

214-15 160 ✓

18" "

259-20 84 ✓

curve sign on No. 1.

223-50 141 ✓

12" oak

235-40 68 ✓

20" "

227-40 69 ✓

12" "

211-25 72 ✓

10" "

248-00 62 ✓

12" "

186-25 106 ✓

15" "

256-50 69 ✓

15" "

258-10 71 ✓

15" "

182-00 95 ✓

8" "

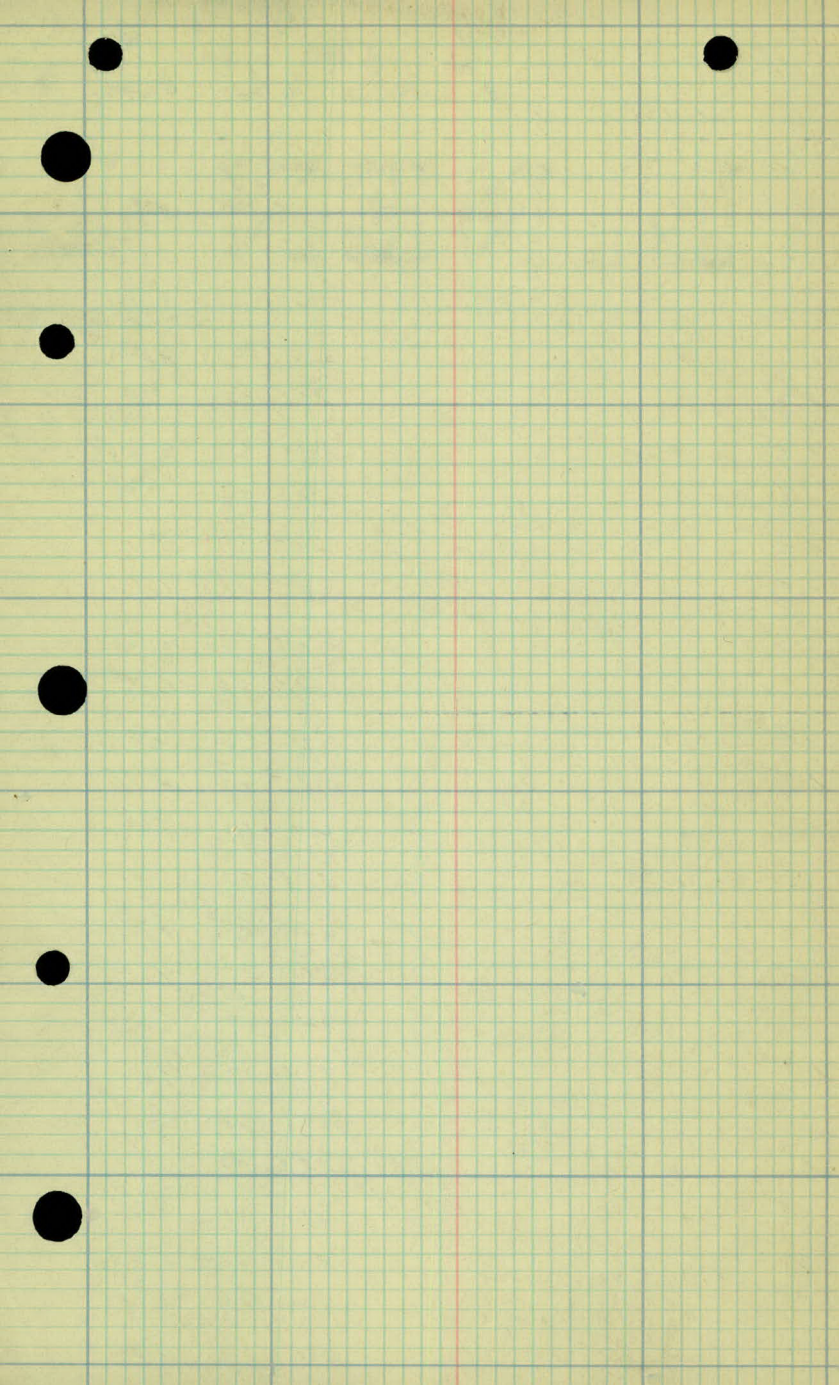
262-35 72 ✓

15" "

263-40 60 ✓

10" "

177-30 85 ✓



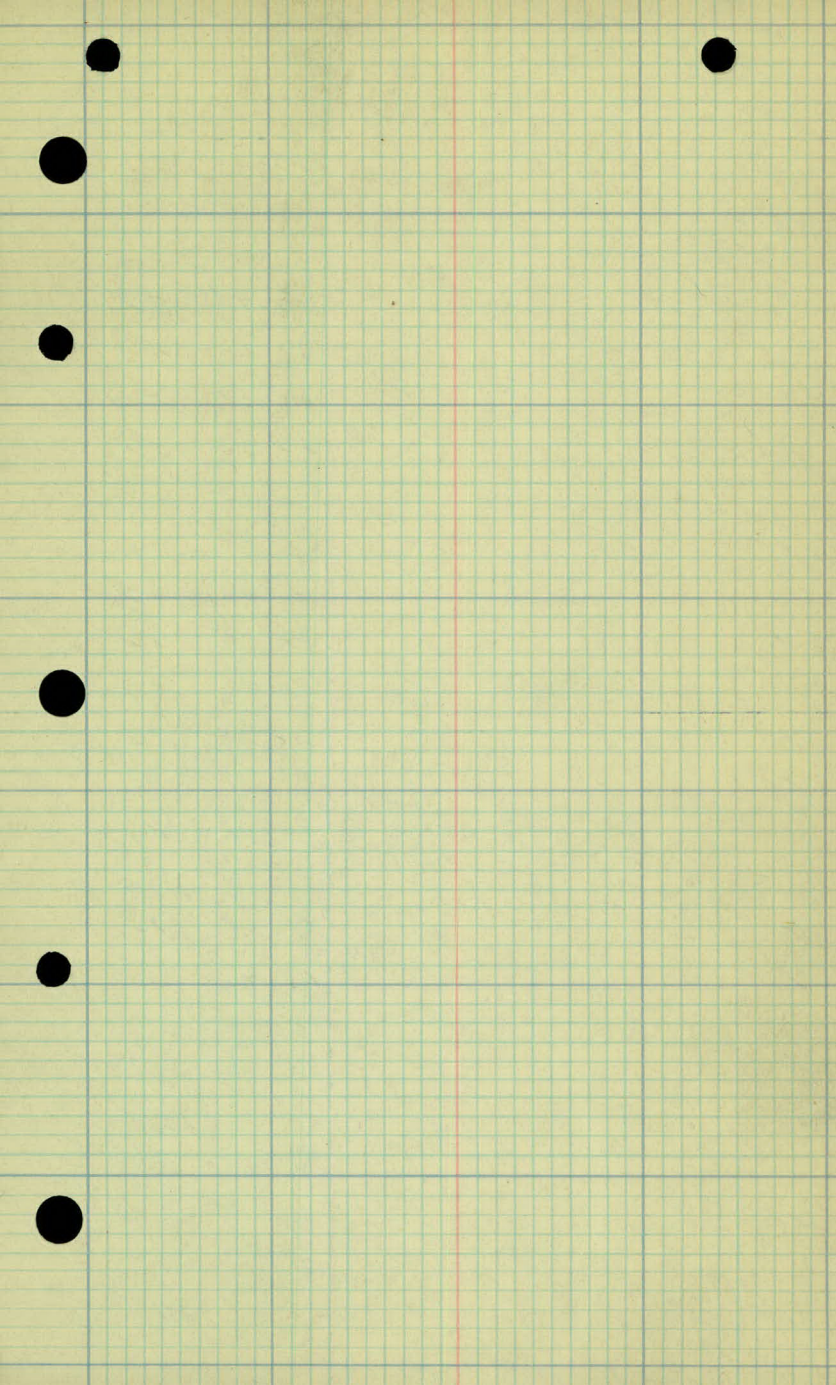
Cont'd At 013

12" oak	✓	182-10	75
15" "	✓	270-30	84
8" "	✓	190-40	43
8" "	✓	201-20	45
18" "	✓	280-00	80
15" "	✓	283-35	62
12" "	✓	238-30	41
15" "	✓	274-50	32
15" "	✓	274-50	38
15" "	✓	293-05	64
10" "	✓	313-35	57
18" "	✓	30-00	67
12" "	✓	321-10	90
10" "	✓	15-45	33
10" "	✓	20-00	31
12" "	✓	353-30	24
15" "	✓	320-20	91
12" "	✓	312-30	95
15" "	✓	327-00	32
10" "	✓	333-00	98
15" "	✓	3-40	40
6" "	✓	329-45	103
18" "	✓	342-00	60
12" "	✓	336-10	63
6" "	✓	322-50	115
12" "	✓	323-30	115

Obs. Weber
Rec. Boston

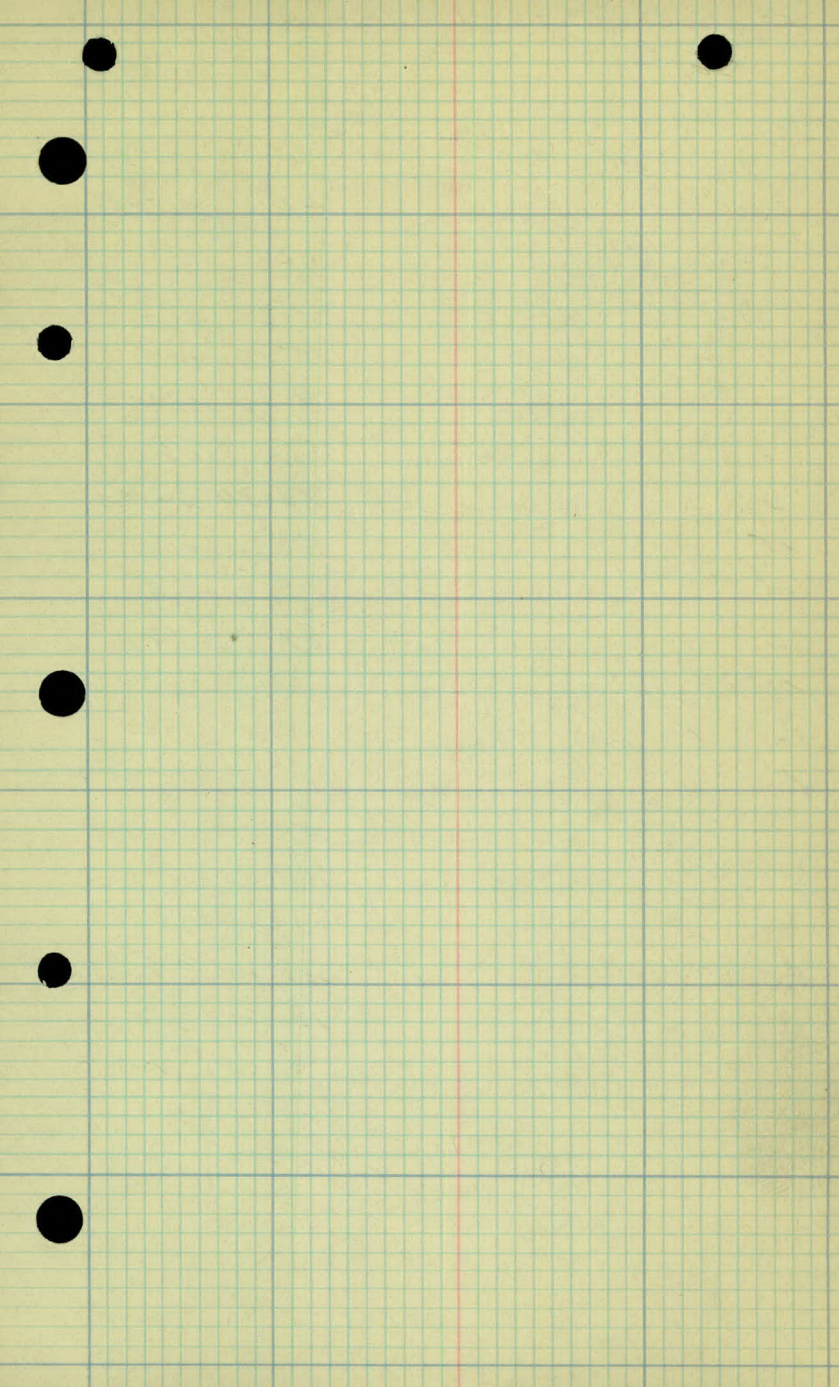
Cont'd At Q13

8" oak	✓	325-50	129
20" "	✓	327-00	139
8" "	✓	329-10	136
12" "	✓	158-30	94
12" "	✓	150-00	76
8" "	✓	155-05	67
8" "	✓	160-25	70
8" "	✓	164-35	66
12" "	✓	138-15	61
12" "	✓	146-50	35
8" "	✓	953-00	28
8" "	✓	121-00	50
12" "	✓	125-00	13
6" "	✓	98-00	47
8" "	✓	79-30	50
15" "	✓	77-00	68
8" "	✓	84-40	78
8" "	✓	66-00	81
18" "	✓	68-15	89
6" "	✓	52-15	82
8" "	✓	72-00	120
8" "	✓	65-00	113
10" "	✓	58-50	118
12" "	✓	48-10	118
8" "	✓	52-00	125



Cont'd At 013

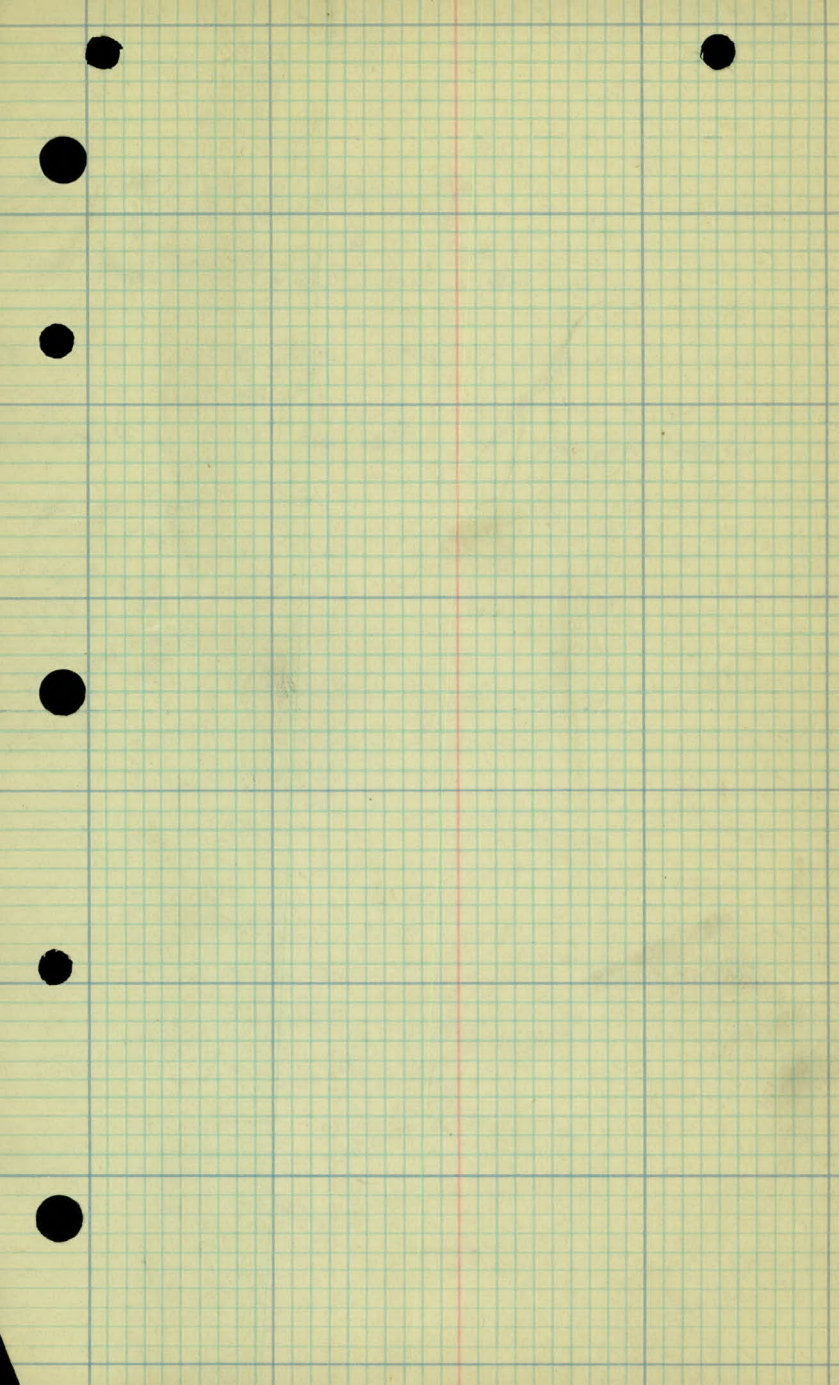
12" oak	✓	47-20	128
15" "	✓	40-30	125
6" "	✓	46-00	132
15" "	✓	37-50	152
10" "	✓	46-40	145
10" "	✓	47-00	162
6" "	✓	55-30	151
6" "	✓	56-30	154
15" "	✓	55-00	156
8" "	✓	55-00	160
8" "	✓	44-30	172
15" "	✓	58-00	167
15" "	✓	44-30	192
15" "	✓	53-10	190
12" "	✓	36-35	188
12" "	✓	31-50	188
10" "	✓	50-30	215
12" "	✓	29-45	195
15" "	✓	52-10	230
10" "	✓	30-00	205
12" "	✓	46-10	230
12" "	✓	35-40	210
18" "	✓	47-45	254
12" "	✓	25-50	224
18" "	✓	26-25	232
12" "	✓	46-35	263



Cont'd At 013

15"	0.2K	✓	28-05	240
12"	"	✓	43-10	254
12"	"	✓	42-40	250
15"	"	✓	19-35	245
8"	"	✓	38-50	260
12"	"	✓	17-25	267
15"	"	✓	40-30	266
12"	"	✓	42-30	300
15"	"	✓	39-45	295
15"	"	✓	22-10	320
12"	"	✓	23-00	320
15"	"	✓	34-10	270
£ S.t.H. No. 1		✓	8-45	386
£ " " "		✓	1-00	339
£ " " "		✓	353-50	290
P. P.		✓	345-20	235
W. end culv under No. 1		✓	337-50	200
£ S.t.H. No. 1 over culv.		✓	333-05	214
E. end culv. under No. 1		✓	327-10	230
£ S.t.H. No. 1		✓	322-00	171
£ " " "		✓	303-30	132

#



At 014 - HIZ = 50

CHK A3 ^{mill W.} pump rod in wind 74-11

to 013

344

to 015

vert Rod
+ 4-00 5.0

190-05 211

15" oak

257-25 70V

15" "

259-00 25V

15" "

259-00 39V

15" "

293-50 55V

15" "

287-15 90V

15" "

298-15 150V

15" "

314-00 109V

15" "

312-35 112V

10" "

314-20 115V

15" "

309-25 140V

10" "

313-20 128V

10" "

314-15 128V

8" "

316-15 129V

15" "

338-40 140V

15" "

7-30 170V

30" "

6-50 220V

10" "

10-40 220V

12" "

11-20 224V

12" "

12-20 235V

12" "

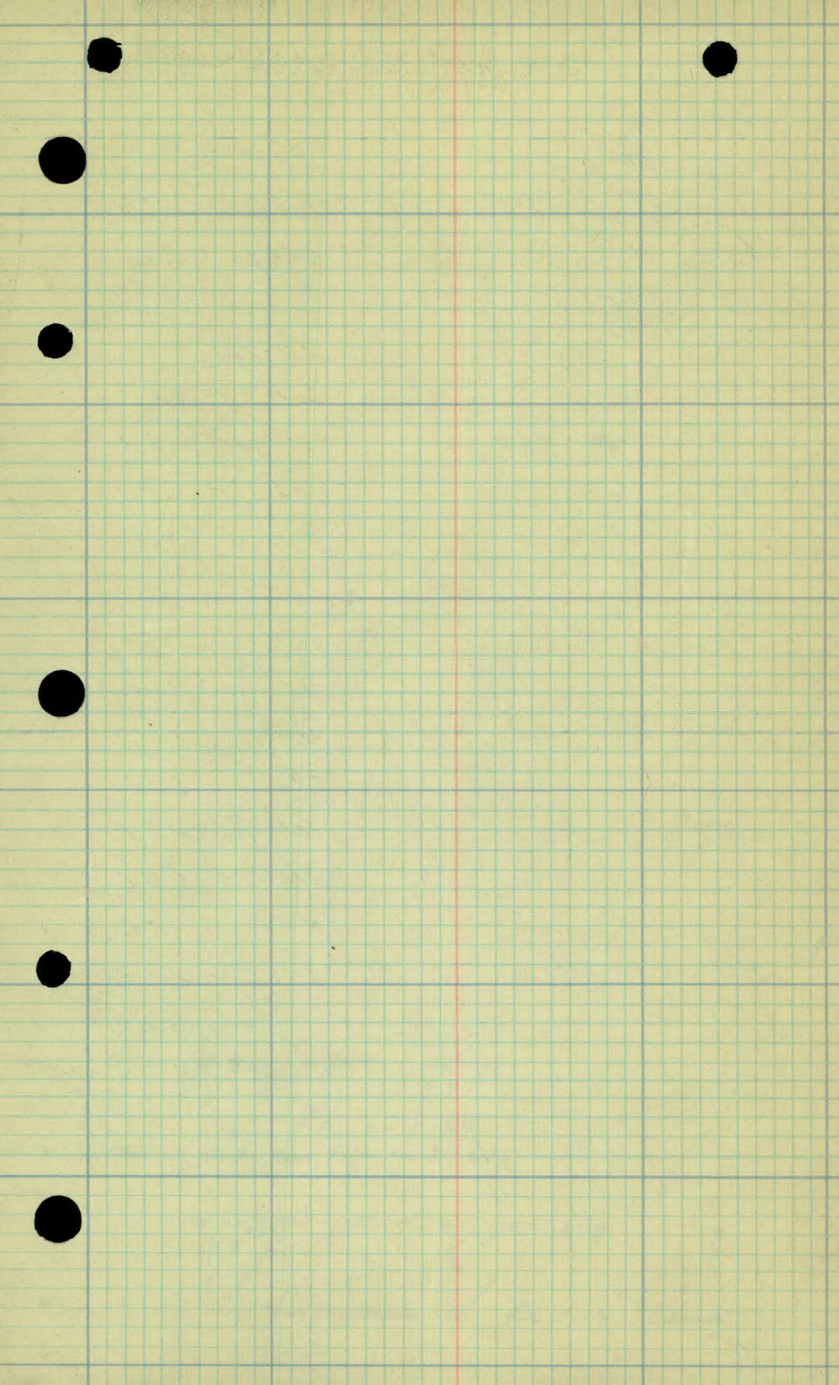
13-35 248V

12" "

19-45 248V

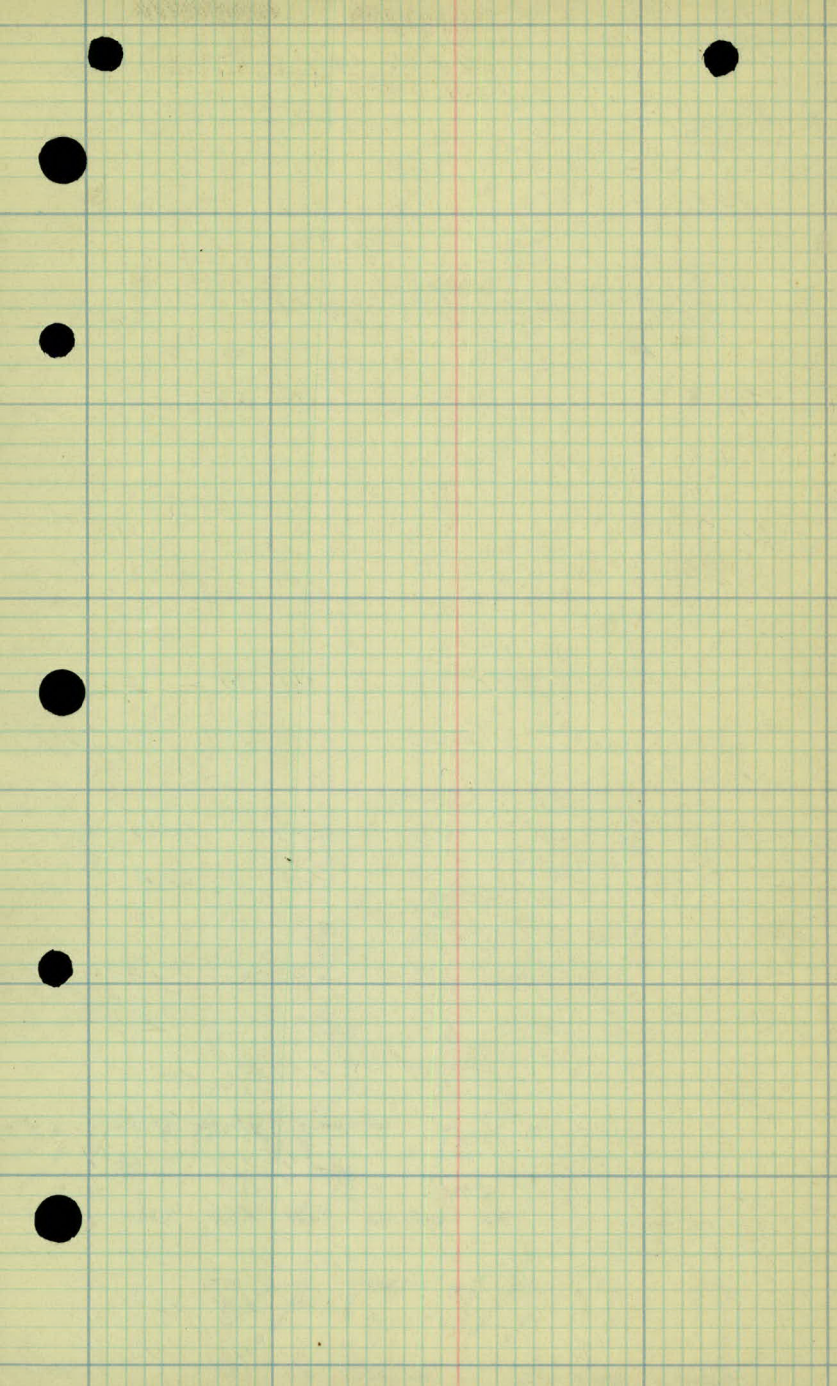
18" "

16-45 275V



Cont'd At 014

10"	OK	✓	22-35	260
8"	"	✓	19-15	292
12"	"	✓	19-40	292
12"	"	✓	28-35	262
15"	"	✓	25-10	306
12"	"	✓	24-35	328
18"	"	✓	30-30	338
18"	"	✓	34-55	332
15"	"	✓	33-35	365
12"	"	✓	37-40	364
12"	"	✓	39-55	385
18"	"	✓	41-00	412
15"	"	✓	44-00	445
15"	"	✓	40-00	303
18"	"	✓	41-30	288
20"	"	✓	46-30	266
12"	"	✓	43-00	242
24"	"	✓	38-50	210
15"	"	✓	49-25	220
12"	"	✓	37-45	145
15"	"	✓	38-00	130
12"	"	✓	56-00	240
18"	"	✓	57-00	103
18"	"	✓	56-15	204
12"	"	✓	63-45	107
10"	"	✓	71-10	242



59

3-6-30

A31

512

Cont'd At 014

10" oak

✓ 106-15 80

18" "

✓ 117-25 98

12" "

✓ 94-30 215

12" "

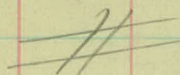
✓ 121-00 165

12" "

✓ 97-30 205

12" "

✓ 132-35 200


Obs Weber
Rec Beaton

At 015-HI=5.2

CHK A3 ^{Edgerton & Frost} flag pole steel house 80-14

to 014

vert

Rd

211 ✓

to 016

-3-30

5.2

75-54 436 ✓

12" oak

221-30 190

10" "

219-15 177 ✓

12" "

225-10 160 ✓

12" "

220-35 157 ✓

8" "

228-50 132 ✓

12" "

221-05 121 ✓

8" "

233-10 124 ✓

10" "

228-10 115 ✓

10" "

211-20 139 ✓

10" "

212-15 145 ✓

10" "

212-15 146 ✓

12" "

206-20 139 ✓

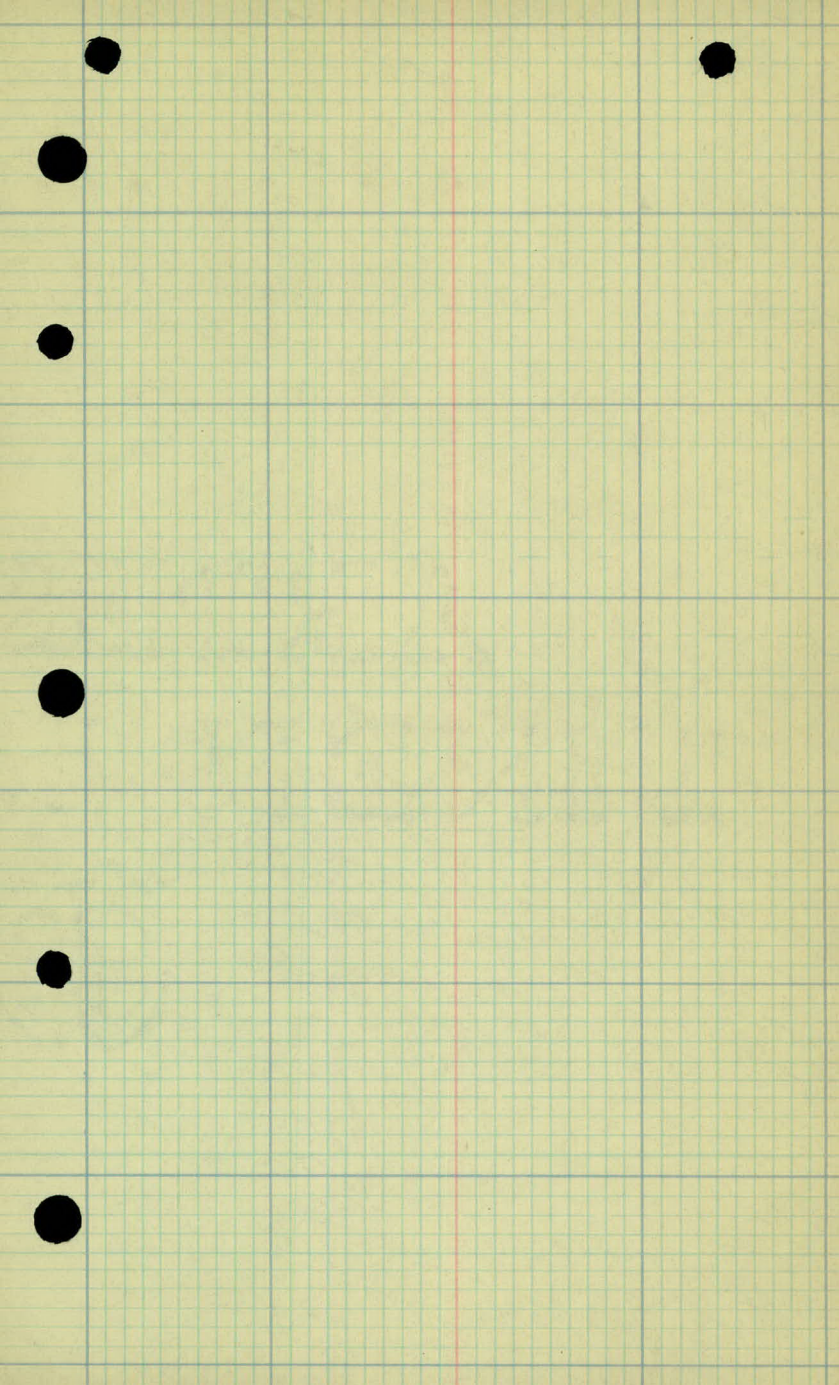
12" "

212-40 176 ✓

180.03-

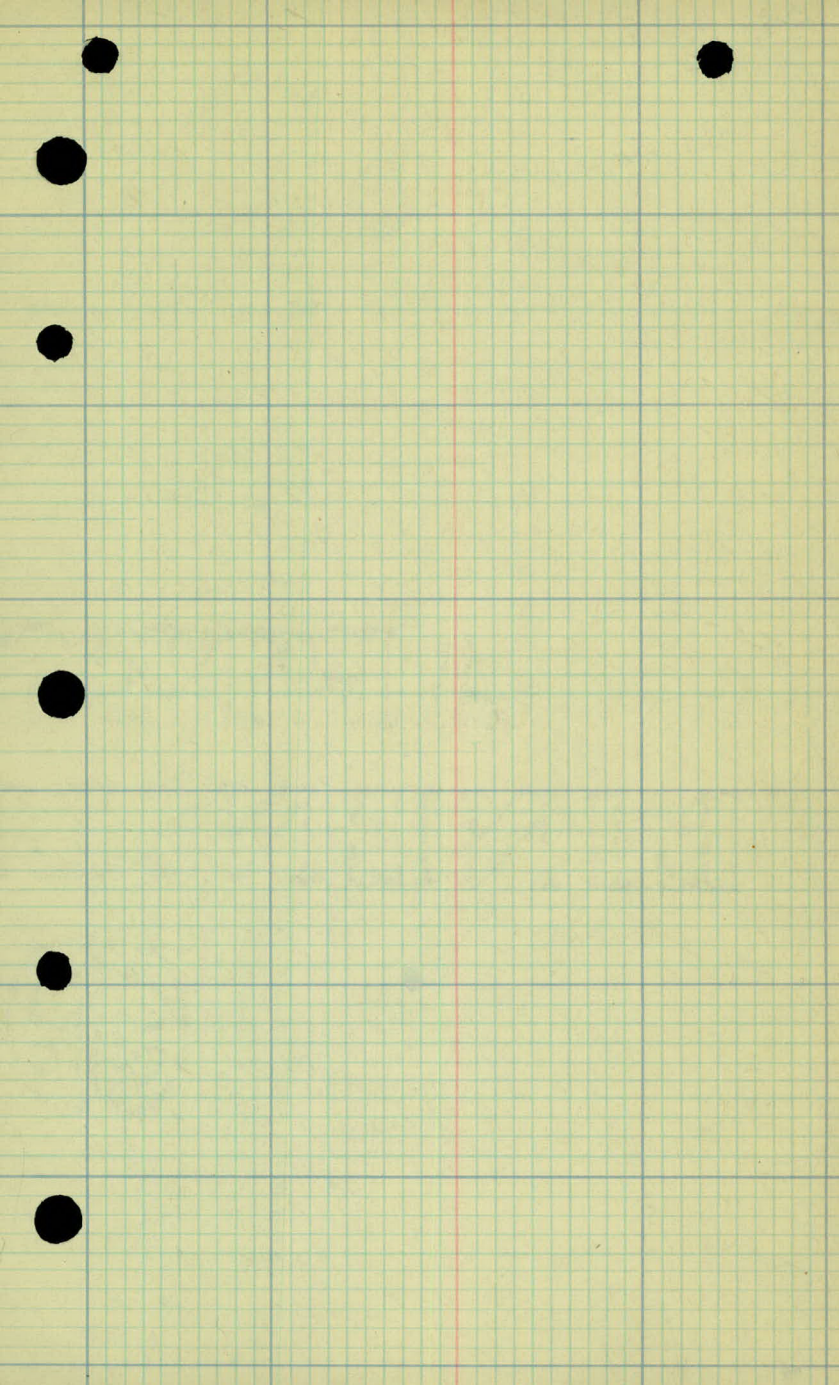
Cont'd At B/15

15"	004	✓	199-15	157
12"	"	✓	202-15	174
10"	"	✓	200-15	188
15"	"	✓	199-05	188
15"	"	✓	193-50	109
8"	"	✓	196-30	90
12"	"	✓	200-00	107
15"	"	✓	215-35	104
15"	"	✓	187-35	88
12"	"	✓	214-00	90
12"	"	✓	212-30	88
15"	"	✓	183-30	78
15"	"	✓	215-15	59
12"	"	✓	184-30	61
15"	"	✓	197-50	66
12"	"	✓	209-40	50
12"	"	✓	203-30	76
8"	"	✓	200-30	50
12"	"	✓	193-00	50
12"	"	✓	228-50	55
15"	"	✓	232-00	22
10"	"	✓	265-00	10
15"	"	✓	306-00	13
15"	"	✓	331-00	23
12"	"	✓	7-00	24
12"	"	✓	39-50	34



Conte At @ 15

12"	"	35-50	41V
15"	"	19-50	81V
15"	"	45-10	46V
15"	"	25-15	85V
15"	"	56-00	64V
12"	"	70-45	52V
18"	"	85-45	76V
15"	"	86-45	26V
15"	"	101-15	86V
18"	"	110-30	42V
12"	"	106-50	89V
15"	"	148-25	42V
15"	"	102-10	119V
10"	"	108-00	108V
15"	"	111-00	132V
15"	"	109-10	66V
15"	"	120-30	101V
15"	"	126-40	121V
18"	"	126-40	135V
12"	"	123-30	135V
15"	"	129-45	175V
12"	"	132-00	196V
12"	"	125-35	206V
18"	"	123-00	219V
18"	"	122-00	255V
18"	"	135-40	198V



62

5-6-30

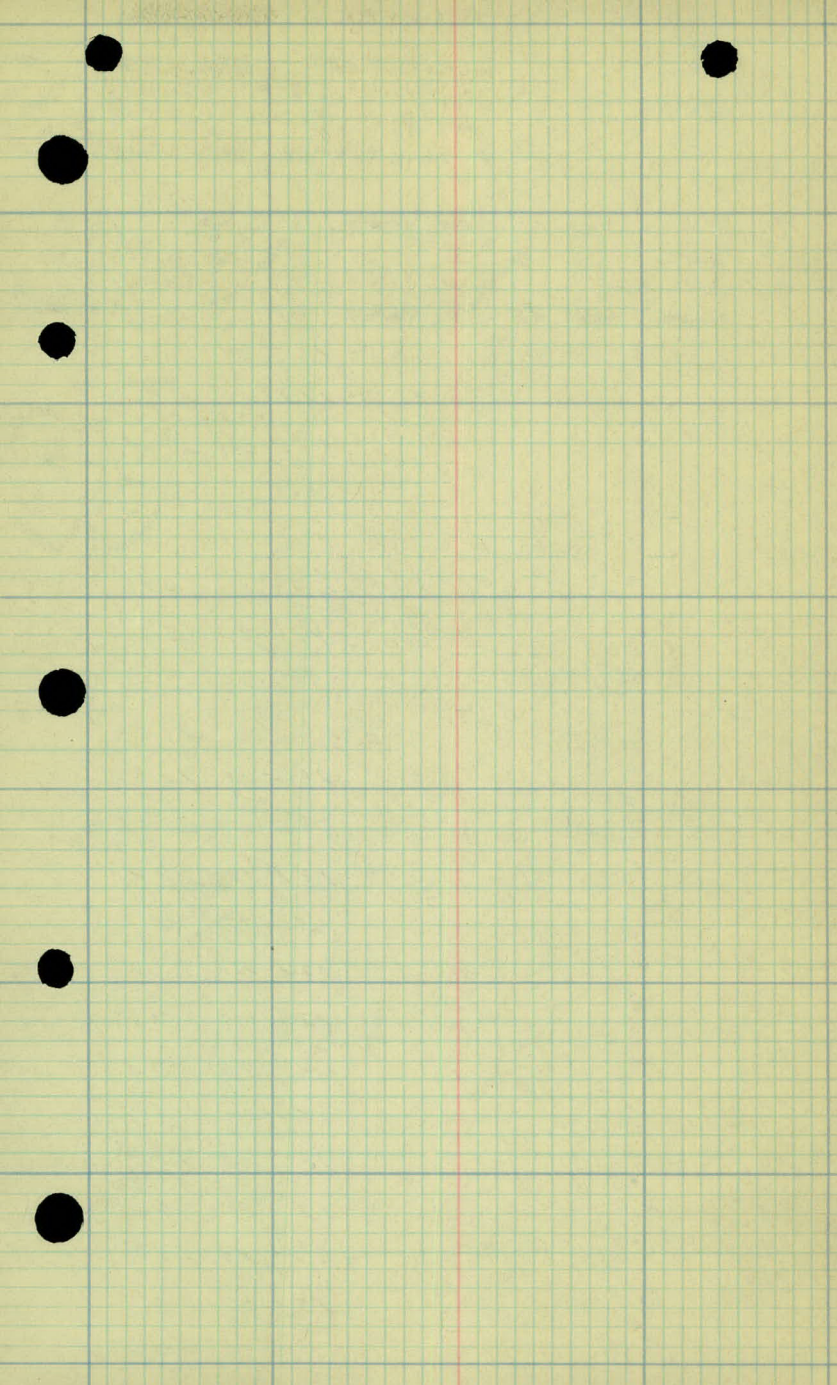
13

540

Cont'd A + 0 15

18"	02K	✓	136-00	186
12"	"	✓	128-15	310
18"	"	✓	140-40	204
12"	"	✓	141-05	187
12"	"	✓	139-00	170
18"	"	✓	139-10	126
18"	"	✓	149-30	119
12"	"	✓	131-50	322
15"	"	✓	134-30	296
15"	"	✓	150-10	160
12"	"	✓	142-10	174
15"	"	✓	136-25	310
15"	"	✓	135-50	311
18"	"	✓	148-35	223
20"	"	✓	140-45	274
15"	"	✓	149-35	282
18"	"	✓	156-30	230
18"	"	✓	157-20	192
15"	"	✓	154-15	274
15"	"	✓	161-00	170
15"	"	✓	161-30	116
12"	"	✓	165-50	104
15"	"	✓	171-20	240
15"	"	✓	183-25	150
18"	"	✓	173-00	157

H



63 8-6-30

A3 52

A+0 16

CHK A3 E. end bolts on p.p.

0-35

to 0 15

437

to 0 17

38-01 305

15" oak

✓ 201-05 304

12" "

✓ 197-55 280

12" "

✓ 197-20 270

15" "

✓ 209-10 270

12" "

✓ 196-45 235

8" "

✓ 208-10 240

10" "

✓ 207-05 220

12" "

✓ 209-50 217

8" "

✓ 221-35 215

12" "

✓ 202-45 150

8" "

✓ 222-50 205

8" "

✓ 224-10 204

10" "

✓ 225-55 177

8" "

✓ 224-40 208

6" "

✓ 226-00 178

8" "

✓ 224-35 235

6" "

✓ 236-05 170

24" "

✓ 230-00 244

12" "

✓ 238-50 165

24" "

✓ 234-45 235

8" "

✓ 239-00 170

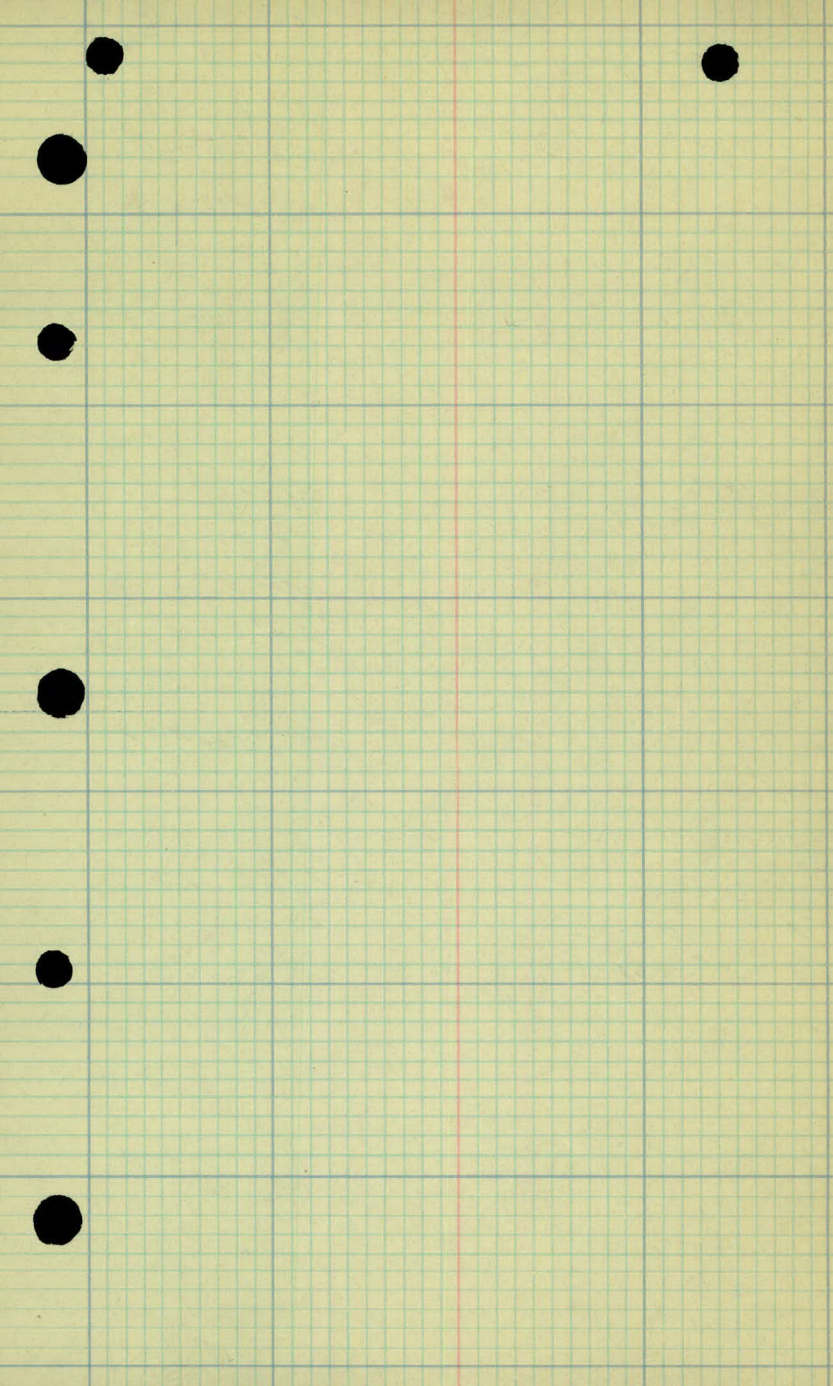
15" "

✓ 239-20 240

25-54

Dated At 016

6" oak	✓	237-10	186
10" "	✓	236-00	202
18" "	✓	237-50	190
8" "	✓	238-00	204
6" "	✓	240-15	188
6" "	✓	240-00	193
10" "	✓	242-10	183
10" "	✓	250-30	219
15" "	✓	112-20	85
10" "	✓	117-00	86
8" "	✓	134-00	100
15" "	✓	7-35	146
12" "	✓	315-10	159
15" "	✓	317-25	108
10" "	✓	310-20	154
12" "	✓	308-40	741
12" "	✓	286-00	50
14-8" oaks in 15' Red	✓	21-00	220
15" oak	✓	24-40	180
18" "	✓	31-45	227
12" "	✓	28-00	244
12" "	✓	30-15	277
18" "	✓	20-15	324
8" "	✓	37-00	243
12" "	✓	37-10	255
3-10" oaks	✓	45-05	249



65

3-6-30

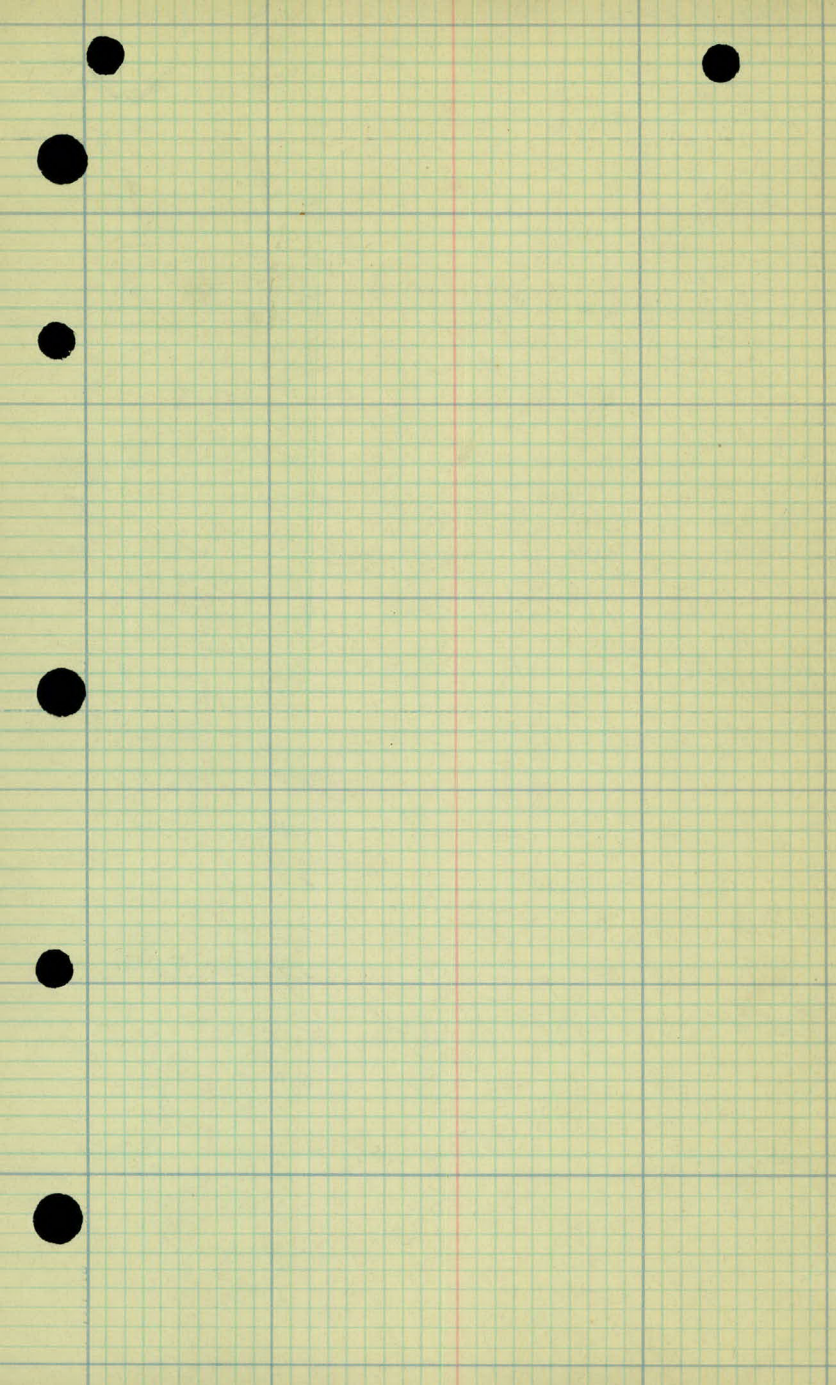
A3

5+8

Cont'd A+016

10"	oak	✓	44-40	236
12"	"	✓	48-46	267
12"	"	✓	47-45	242
15"	"	✓	60-35	282
12"	"	✓	47-50	203
8"	"	✓	61-30	282
14"	"	✓	51-35	225
10"	"	✓	53-30	220
10"	"	✓	54-45	212
10"	"	✓	56-15	220
12"	"	✓	40-00	320
8"	"	✓	41-30	320
10"	"	✓	65-15	214
12"	"	✓	65-50	284
12"	"	✓	68-50	220
12"	"	✓	67-35	280
40-10"	oaks	✓	80-45	225
12"	oak	✓	73-30	165

#



At 0 17

to W.
 Chk Az Phot. rent top barn 75-40

to 0 16

305

to 0 18

192-47 550

12" oak

293-40 227

8" "

296-25 232

10" "

295-10 237

8" "

297-45 237

10" "

298-00 246

24" "

304-10 270

90% Pale

319-25 258

T.P.

326-50 234

12" cotton

345-25 236

T.P.

353-50 200

T.P.

13-00 202

9-8" willows 10' Red

21-30 180

P.P.

29-05 165

£ Kel pKwy under No 1 bridge 22-05 247

£ Kel. pKwy.

39-00 150

P.P.

79-30 86

6" cotton

74-25 60

£ Kel pKwy

139-30 160

P.P.

142-50 157

£ Kel. pKwy

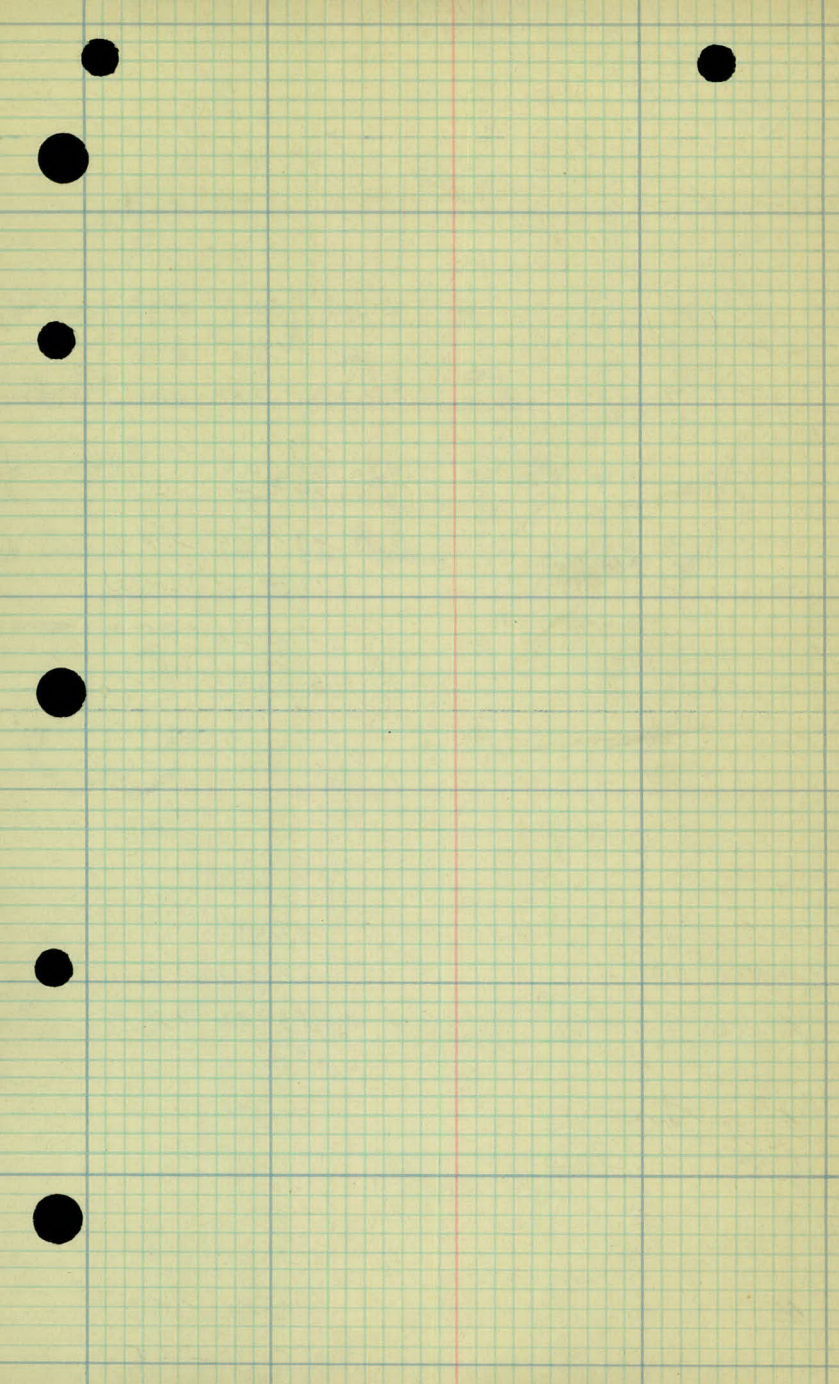
152-10 208

£ " "

159-45 248

P.P.

157-10 265



Ant'd At 017

15" oak	✓ 160.00	275
2 H-1 pkwy	✓ 170.30	288
P.P.	✓ 180.40	310
2 H-1 pkwy	✓ 189.55	400
P.P.	✓ 194.35	415
12" cotton	✓ 152.15	300
8" "	✓ 151.55	308
6" "	✓ 149.50	325
edge pkwy end strip woods	✓ 166.00	290
end strip woods	✓ 157.40	460
" " "	✓ 159.25	373
edge creek & end strip woods	155.15	473

#

At 018 ^{use to NW}
 Chk A3 N. edge chimney or 107.02
 to 017 550
 to 019 234.32 325

NW. edge strip woods	86.35	300	✓
" " " "	102.40	234	✓
N " " "	119.00	195	✓
S " " "	32.15	195	✓
N. " " "	130.30	153	✓
N end culv under pkwy	34	221	✓

the N. edge of this strip of woods
runs about 10' from the edge of
creek and Lake and is about 100' wide

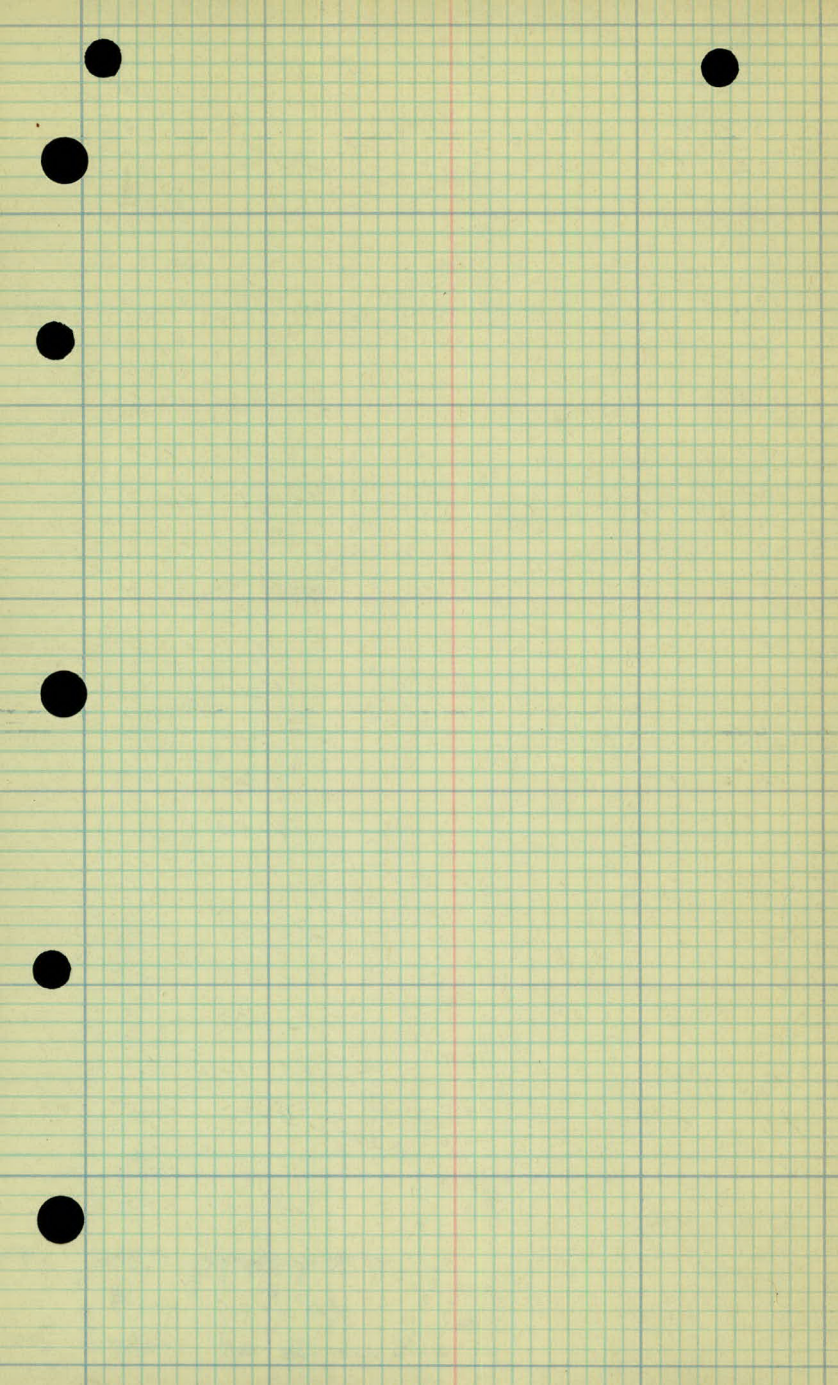
the trees average 6"

68 3-6-30 131 Ste

Cont'd At 018

Sand culv under plng	✓	24-46	235
N. edge strip woods	✓	150-00	155
N. " " "	✓	175-15	165
N. " " "	✓	191-00	200
S. " " "	✓	17-30	95
N. " " "	✓	202-55	243
S. " " "	✓	286-00	60
P.P.	✓	298-00	100
S. edge strip woods	✓	256-50	150
N.E. cor " "	✓	222-50	270
E. " " "	✓	233-55	208
S.E. cor " "	✓	253-30	175
18" oak	✓	110-00	52
18" "	✓	30-15	105
10" "	✓	86-50	81
15" "	✓	39-30	87
12" "	✓	81-40	67
15" "	✓	67-00	118
12" "	✓	83-50	110
10" "	✓	63-00	72
10" "	✓	63-00	75
3-8" "	✓	20-30	80
2-8" "	✓	19-15	90
8" "	✓	18-00	95
12" "	✓	57-45	55

H



69

3-6-30

131

540

At 0 19

born to N.E.

Chk A3 weather vane on 215-54

to 0 18

324

to 0

P.P.

✓ 20-15 175

12" oak

✓ 35-05 127

12" "

✓ 40-10 114

P.P.

✓ 327-05 127

15" oak

✓ 305-00 130

12" "

✓ 45-10 109

15" "

✓ 297-20 128

15" "

✓ 14-25 100

24" "

✓ 291-00 85

15" "

✓ 21-00 77

18" "

✓ 288-45 47

12" "

✓ 3-00 71

12" "

✓ 238-30 25

12" "

✓ 26-50 39

12" "

✓ 52-00 36

18" bass

✓ 187-00 21

18" oak

✓ 183-50 15

15" "

✓ 62-30 66

24" bass

✓ 157-15 33

18" "

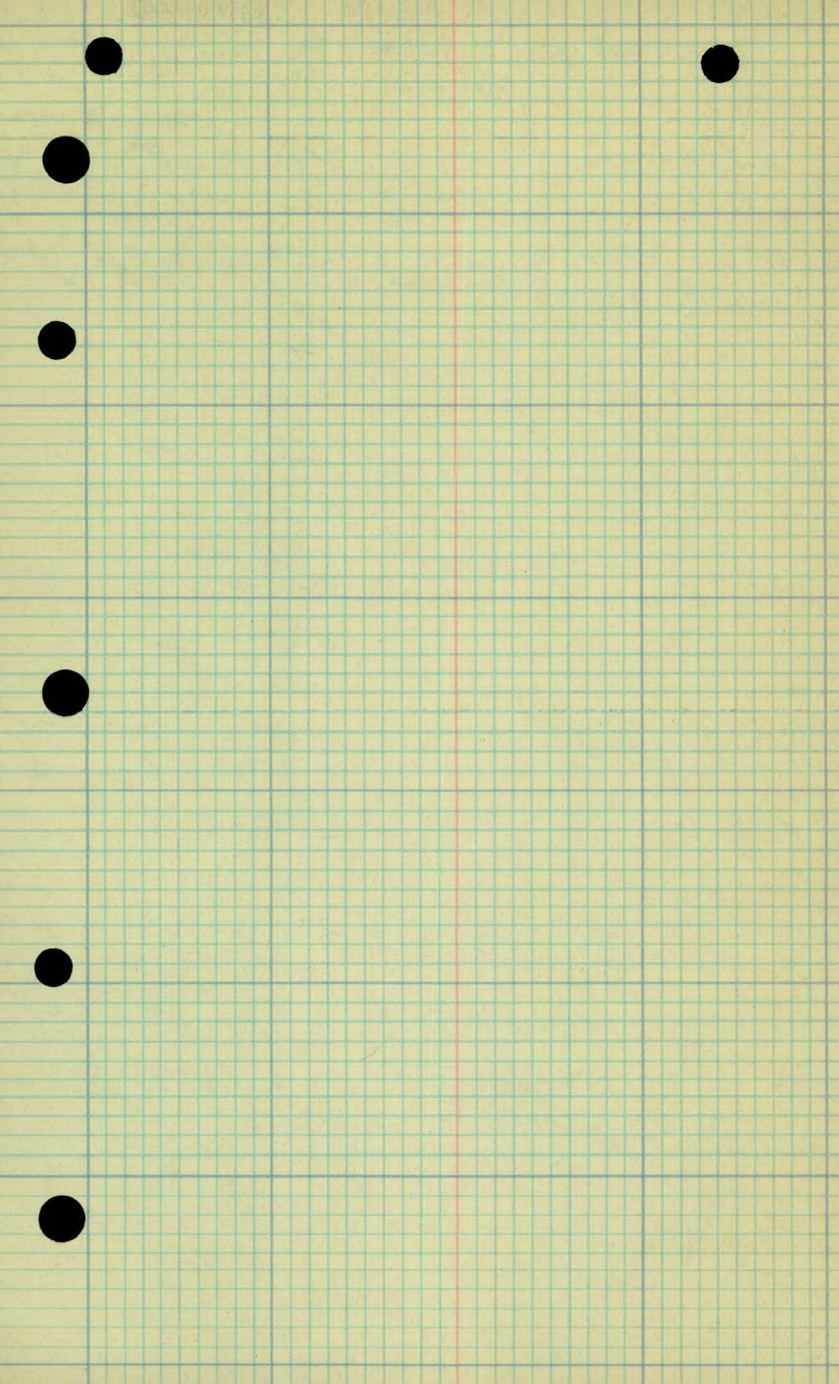
✓ 144-00 32

12" oak

✓ 102-00 45

12" "

✓ 45-10 40



Cont'd A1019

12" bass	120-00	35
SW edge strip woods	113-00	61
15" oak	330-10	80
15" "	323-10	82
N edge strip woods	140-15	108
S " "	171-30	55
S " "	234-30	48
N. " "	229-00	86
S. " "	282-00	84
N. " "	252-15	122
N " "	263-30	160
N " "	278-40	187
S " "	298-15	155
N. " "	279-00	232
N " "	279-00	273
S " "	296-20	230
N. " "	277-30	330
S " "	293-20	330

#

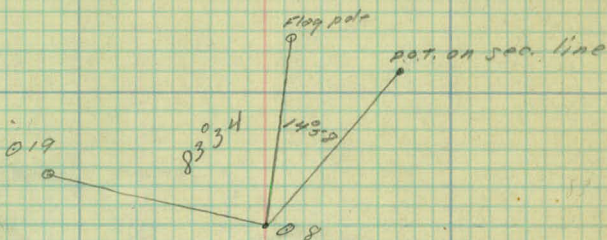
From 019 to 08?

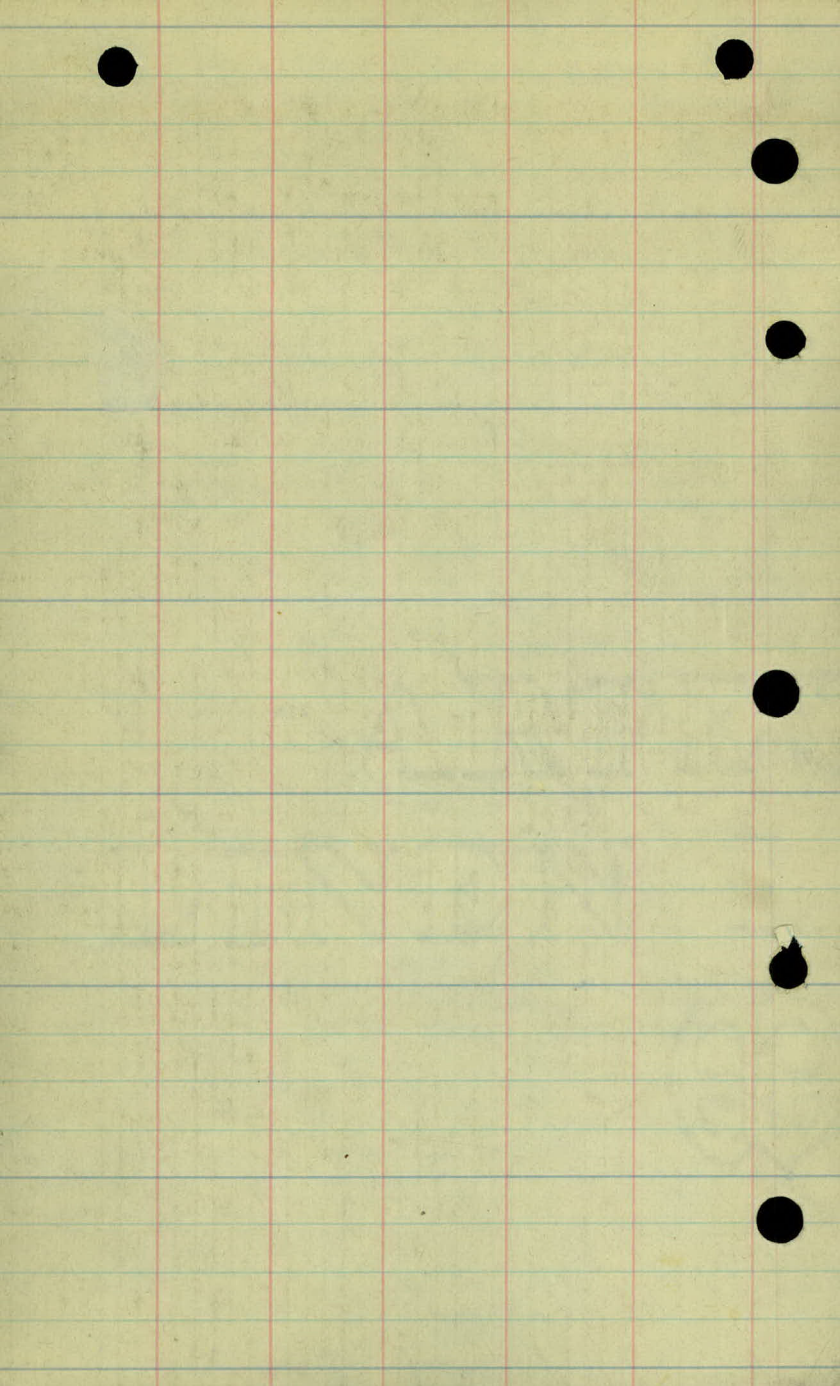
Azimuth = $204 - 14$

Stadia = 1070

At 08?

From flag pole to 019





VALUABLE

RETURN TO State Department of Drainage and Waters, St. Paul, Minn.

Page 1 Transit Obs. Webster Line Date 3-3-30 Rec. Beaton

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
At 01								
Chk Az - Mon't cor Sec 9	270-00							
At 02	288-29	1080	✓					
11 - Mon't W $\frac{1}{4}$ cor Sec 9								
NE shore creek	270-00	375	✓					
E Rd	270-00	548	✓					
10" tree	281-25	445	✓					
P.P.	273-10	600						
10" tree	285-00	473	✓					
E Rd	274-00	700	✓					
2-8" trees	285-45	500	✓					
P.P.	276-30	730						
NE shore creek	283-00	453	✓					
NE. " "	290-30	537	✓					
NE. " "	293-20	622	✓					
12" tree	294-15	660	✓					
8" tree	292-10	650	✓					
#	#	#						

Page 2 Transit Obs. Line Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
At 02									
CHK Az. ^{water tower E.} Flag pole on top	296-35								
to 01	244°29'	1080							
to 03	291-14	895	✓						
N. end culv under Rd	137-45	375	✓						
E Rd over culv	134-40	372	✓						
S. end culv	131-40	370	✓						
Δ in ditch	126-35	375	✓						
" " "	122-45	412	✓						
NE. shore creek	91-00	342	✓						
Δ in ditch	116-25	440	✓						
" " "	110-50	400	✓						
End ditch-NE. shore creek	103-30	454	✓						
NE shore creek	72-30	282	✓						
6" tree	74-40	260	✓						
NE. shore creek	54-20	265	✓						
" " "	32-00	285	✓						

VALUABLE

RETURN TO State Department of Drainage and Waters, St. Paul, Minn.

Page 3 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd At 02</i>								
<i>NE. shore lake</i>	<i>13-50</i>	<i>334</i>	✓					
<i>" " "</i>	<i>4-40</i>	<i>400</i>	✓					
<i>NE " "</i>	<i>357-25</i>	<i>464</i>	✓					
<i>10" tree</i>	<i>0-30</i>	<i>430</i>	✓					
<i>W. part patch woods</i>	<i>7-00</i>	<i>275</i>	✓					
<i>6 in tree N. edge patch</i>	<i>360-00</i>	<i>270</i>	✓					
<i>" " " " "</i>	<i>6-15</i>	<i>275</i>	✓					
<i>" " " " "</i>	<i>355-00</i>	<i>280</i>	✓					
<i>" " " " "</i>	<i>353-40</i>	<i>283</i>	✓					
<i>" " " " "</i>	<i>352-25</i>	<i>290</i>	✓					
<i>" " " NE " "</i>	<i>350-40</i>	<i>312</i>	✓					
<i>" " " " " "</i>	<i>349-00</i>	<i>350</i>	✓					
<i>" " " E " "</i>	<i>354-00</i>	<i>400</i>	✓					
<i>" " " S, " "</i>	<i>356-30</i>	<i>343</i>	✓					
<i>" " " S " "</i>	<i>4-30</i>	<i>340</i>	✓					
<i>4" tree</i>	<i>341-00</i>	<i>318</i>	✓					
<i>6" "</i>	<i>340-00</i>	<i>265</i>	✓					

Page 4 Transit Obs. LineDate 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd AT 02</i>									
<i>± Rd.</i>	<i>139-10</i>	<i>272</i>	✓						
<i>P.P.</i>	<i>135-53</i>	<i>266</i>							
<i>± Rd</i>	<i>149-40</i>	<i>150</i>	✓						
<i>P.P.</i>	<i>143-55</i>	<i>143</i>							
<i>± Rd.</i>	<i>214-00</i>	<i>56</i>	✓						
<i>P.P.</i>	<i>211-35</i>	<i>41</i>							
<i>± Rd.</i>	<i>267-25</i>	<i>90</i>	✓						
<i>± Rd</i>	<i>280-20</i>	<i>144</i>	✓						
<i>P.P.</i>	<i>288-45</i>	<i>140</i>							
<i>± Rd over culv</i>	<i>281-45</i>	<i>235</i>	✓						
<i>N end culv</i>	<i>278-00</i>	<i>235</i>	✓						
<i>S. end "</i>	<i>286-15</i>	<i>238</i>	✓						
<i>6" tree</i>	<i>30-00</i>	<i>50</i>	✓						
<i>8" tree B.O.</i>	<i>94-00</i>	<i>26</i>	✓						
<i>8" " W.O.</i>	<i>133-00</i>	<i>71</i>	✓						
<i>12" " B.O.</i>	<i>121-00</i>	<i>81</i>	✓						
<i>8" " W.O.</i>	<i>127-15</i>	<i>98</i>	✓						

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Page 5 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd At 02									
P.P.	284-15	274							
± Rd	278-15	308	✓						
P.P.	278-15	400	✓						
± Rd	274-55	400	✓						
± Rd	273-30	470	✓						
P.P.	275-45	515	✓						
± Rd	273-50	544	✓						
± Rd	275-30	633	✓						
12" tree Cot.	278-00	670	✓						
15" tree Cot.	278-25	690	✓						
14" tree	316-35	660	✓						
14" "	317-20	655	✓						
12" "	317-45	650	✓						
12" "	320-25	650	✓						
10" tree	327-26	610	✓						
2-6" trees	350-40	495	✓						
N.E. short lake	351-00	520	✓						

Page 6 Transit.....Obs.....Line.....
 Date 3-3-30 Rec.....

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
Cont'd At 02								
12" tree W. edge patch woods	344-00	530	✓					
8" " N " " "	340-30	560	✓					
10" " N " " "	337-15	590	✓					
10" " N " " "	335-10	615	✓					
12" " S " " "	334-40	670	✓					
N.E. shore lake - ^{woods} S. edge	341-30	630	✓					
" " " " ^{woods} S. edge	336-25	670	✓					
H								
At 03								
Chk Az ^{water tank} flag pole on pear farm	297-03							
To 02		895				A31	548	✓
To 03A	21-50	185		To 04	307-55		629	✓
14" tree - cot	157-30	210						✓
12 " "	192-25	140						✓
2 Rd	234-40	200						✓
N. end culv	241-45	250						✓

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Page	7	Transit	Obs.	Line				
Date	3-3-30	Rec.						
OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
Cont'd At 03								
E Rd. over culv	244-00	238	✓					
Send culv	248-05	222	✓					
E Rd.	259-45	325	✓					
10" tree	268-45	315	✓					
E Rd Inter X of drive	267-10	410	✓					
10" tree	275-10	290	✓					
E Rd.	271-45	495	✓					
12" tree	278-00	265	✓					
E drive	270-45	360	✓					
6" tree	280-15	260	✓					
fence cor	273-00	350	✓					
4" tree	279-30	200	✓					
" "	275-00	195	✓					
fence line	284-40	263	✓					
E drive	284-40	250	✓					
" "	289-00	200	✓					
fence line	291-00	205	✓					

Page 8 Transit Obs. Line Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd AT. 0 3</i>									
<i>℄ drive</i>	<i>305-35</i>	<i>180</i>	<i>✓</i>			<i>1</i>			
<i>fence line</i>	<i>305-35</i>	<i>190</i>	<i>✓</i>						
<i>8'5" x 12' W</i> <i>Edd Fence-N.W. cor. shed</i>	<i>340-35</i>	<i>218</i>	<i>✓</i>						
<i>℄ drive</i>	<i>306-40</i>	<i>195</i>	<i>✓</i>						
<i>N.E. cor. garage 42' W x 28' S</i>	<i>245-20</i>	<i>187</i>	<i>✓</i>						
<i>N.E. cor. house 24' S x 22' W</i>	<i>4-45</i>	<i>122</i>	<i>✓</i>						
<i>℄. P.</i>	<i>321-50</i>	<i>74</i>	<i>✓</i>						
<i>" "</i>	<i>260-30</i>	<i>116</i>	<i>✓</i>						
<i>P. P.</i>	<i>282-40</i>	<i>128</i>	<i>✓</i>						
<i>3" plum tree</i>	<i>293-50</i>	<i>143</i>	<i>✓</i>						
<i>3" plum tree</i>	<i>223-25</i>	<i>135</i>	<i>✓</i>						
<i>" " "</i>	<i>300-40</i>	<i>131</i>	<i>✓</i>						
<i>" " "</i>	<i>309-15</i>	<i>117</i>	<i>✓</i>						
<i>" " "</i>	<i>318-00</i>	<i>108</i>	<i>✓</i>						
<i>" " "</i>	<i>328-20</i>	<i>104</i>	<i>✓</i>						
<i>" apple tree</i>	<i>342-30</i>	<i>132</i>	<i>✓</i>						
<i>" " "</i>	<i>347-45</i>	<i>146</i>	<i>✓</i>						

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Date 7-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd At 03</i>								
4" tree	350-50	13.0	✓					
3" apple tr	344-30	16.6	✓					
8" tree	353-00	16.5	✓					
4" tree	4-00	17.1	✓					
3" apple tr	13-10	17.0	✓					
12" tree W.O.	24-45	21.2	✓					
12" " W.O.	34-15	24.5	✓					
clump of 6-4" trees	60-15	28.0	✓					
2-5" trees - maple	63-35	31.5	✓					
12" tree B.O.	64-45	35.0	✓					
<i>##</i>								
<i>At 03 A</i>								
chk Az church steeple in <i>Little Canada</i>	118-06							
to 03		185						
<i>201990</i>								
Begin fence s side	289-00	80	✓					
Δ in fence	306-15	86	✓					

Page 10 Transit.....Obs.....Line.....
 Date 3-3-30 Rec.....

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd A + B 3A</i>								
<i>Fence line N edge light brush</i>	<i>306-45</i>	<i>109</i>	✓					
<i>" " " " " "</i>	<i>307-15</i>	<i>200</i>	✓					
<i>NE shore lake edge brush</i>	<i>320-15</i>	<i>360</i>	✓					
<i>" " " " " "</i>	<i>324-50</i>	<i>300</i>	✓					
<i>E. end group of 8" trees</i>	<i>317-05</i>	<i>305</i>	✓					
<i>NE shore lake edge brush</i>	<i>341-00</i>	<i>225</i>	✓					
<i>N. tree line group 8" trees</i>	<i>320-00</i>	<i>255</i>	✓					
<i>" " " " " "</i>	<i>318-50</i>	<i>200</i>	✓					
<i>" " " " " "</i>	<i>326-30</i>	<i>158</i>	✓					
<i>NE shore lake edge brush</i>	<i>8-45</i>	<i>200</i>	✓					
<i>N. line group 8" trees</i>	<i>351-25</i>	<i>170</i>	✓					
<i>" " " " " "</i>	<i>6-00</i>	<i>152</i>	✓					
<i>NE shore lake S edge brush</i>	<i>33-15</i>	<i>220</i>	✓					
<i>N edge light brush</i>	<i>337-25</i>	<i>78</i>	✓					
<i>" " " " " "</i>	<i>32-50</i>	<i>102</i>	✓					
<i>NE shore lake S edge brush</i>	<i>48-10</i>	<i>262</i>	✓					
<i>N. line group 8" trees</i>	<i>27-45</i>	<i>160</i>	✓					

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Page 11 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
Cont'd A+03A								
NE shore lake ^{trees} S. edge br	61-00	330	✓					
N. line group trees 8"	46-20	120	✓					
N. edge light brush	61-30	182	✓					
NE shore lake S. edge 8" trees	62-30	425	✓					
N. line group of 8" trees	60-45	265	✓					
NW end brush	72-15	270	✓					
NE shore lake ^{8" trees} S. edge	77-50	535	✓					
N. line 8" tree group	70-15	365	✓					
" " " " "	76-50	415	✓					
" " " " "	77-15	450	✓					
W. pt. group 6" trees	303-30	110	✓					
S. line " " "	305-35	160	✓					
SE. cor " " "	306-10	225	✓					
E line " " "	301-55	253	✓					
N.E. cor " " "	295-15	260	✓					
N. line " " "	297-00	200	✓					
NW cor " " "	293-30	147	✓					

Page 12 Transit Obs. Line
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OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd At 03 A</i>								
<i>3-6" trees</i>	<i>288-30</i>	<i>208</i>	✓					
<i>2" well - lift pump</i>	<i>266-40</i>	<i>60</i>	✓					
<i> </i>								
<i>At 04</i>								
<i>Chk Az. phen top of vent</i>	<i>207-18</i>							
<i>to 03</i>		<i>629</i>	✓					
<i>to 05</i>	<i>2-53</i>	<i>665</i>	✓					
<i>to Rd.</i>	<i>199-40</i>	<i>320</i>	✓					
<i>N end culv</i>	<i>201-30</i>	<i>340</i>	✓					
<i>Fence cor</i>	<i>195-58</i>	<i>295</i>	✓					
<i>Fence line</i>	<i>183-35</i>	<i>308</i>	✓					
<i>" "</i>	<i>186-25</i>	<i>232</i>	✓					
<i>to ditch</i>	<i>186-25</i>	<i>230</i>	✓					
<i>S. end culv under Rd.</i>	<i>197-50</i>	<i>300</i>	✓					
<i>Fence line</i>	<i>176-40</i>	<i>197</i>	✓					
<i>" "</i>	<i>144-45</i>	<i>153</i>	✓					

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 Page 13 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd At 04</i>								
<i>E ditch</i>	<i>139-45</i>	<i>150</i>	<i>✓</i>					
<i>Fence line</i>	<i>115-40</i>	<i>164</i>	<i>✓</i>					
<i>E ditch</i>	<i>105-00</i>	<i>177</i>	<i>✓</i>					
<i>" "</i>	<i>192-55</i>	<i>210</i>	<i>✓</i>					
<i>Fence cor S.E. cor bough</i>	<i>86-25</i>	<i>243</i>	<i>✓</i>					
<i>E ditch at pt where ditch enters box</i>	<i>85-35</i>	<i>242</i>	<i>✓</i>					
<i>Shore line</i>	<i>88-40</i>	<i>263</i>	<i>✓</i>					
<i>" " E side box</i>	<i>81-15</i>	<i>237</i>	<i>✓</i>					
<i>" " E " "</i>	<i>72-00</i>	<i>295</i>	<i>✓</i>					
<i>group 4" x</i>	<i>62-40</i>	<i>255</i>	<i>✓</i>					
<i>Shore line lake</i>	<i>59-15</i>	<i>255</i>	<i>✓</i>					
<i>8" tree</i>	<i>53-55</i>	<i>220</i>	<i>✓</i>					
<i>Shore line lake</i>	<i>43-45</i>	<i>250</i>	<i>✓</i>					
<i>8" tree</i>	<i>42-00</i>	<i>230</i>	<i>✓</i>					
<i>Fence cor - fences E & SE</i>	<i>35-00</i>	<i>220</i>	<i>✓</i>					
<i>Shore line lake</i>	<i>33-10</i>	<i>282</i>	<i>✓</i>					
<i>10" tree</i>	<i>27-15</i>	<i>270</i>	<i>✓</i>					

Page 14 Transit. Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd AFO 4									
End. fence	4-00	172	✓						
Fence cor.	20-30	271	✓						
8" tree	26-30	315	✓						
End fence	356-40	266	✓						
S.W. cor. garage E. 30 X 18 N.	356-15	266	✓						
Shore line lake	25-30	350	✓						
10" tree	22-30	338	✓						
N.W. cor. shed 10'E x 6'S	341-00	210	✓						
2-10" trees	18-55	400	✓						
N.E. cor. outhse 4 X 4	344-10	175	✓						
Shore line lake	20-15	410	✓						
N.W. cor. house 32'S x 14'E	342-00	231	✓						
2-8" trees	310-20	236	✓						
P.P.	297-40	260	✓						
St. H. No. 1.	311-30	315	✓						
" " " " "	291-00	280	✓						
Keller parking Wedge St. H. no. 1.	274-15	268	✓						

Page 15 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
Cont'd At 04								
E Rd Keller Parkway	252-15	261	✓					
" " " "	230-30	276	✓					
" " " "	212-30	300	✓					
W. end bill-board	306-00	166	✓					
E " " "	306-00	266	✓					
#								
At 05								
Chk A3 top pt of garage to ^{N.E.}	258-34							
to 04		665	✓					
to 06	34-52	522	✓					
beginning fence	189-10	400	✓					
E drive	191-30	410	✓					
fence line at Interx of fence ^{going W}	190-45	333	✓					
E drive	200-45	422	✓					
fence cor	194-10	265	✓					
E drive	207-35	425	✓					
fence line	205-00	270	✓					

Page 16 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd A+05</i>									
<i>± drive st S+H no. 1</i>	<i>214-00</i>	<i>450</i>							
<i>fence cor</i>	<i>219-10</i>	<i>295</i>							
<i>P.P.</i>	<i>209-55</i>	<i>490</i>							
<i>fence line</i>	<i>226-50</i>	<i>235</i>							
<i>± STH no 1</i>	<i>228-15</i>	<i>355</i>							
<i>P.P.</i>	<i>216-30</i>	<i>344</i>							
<i>fence line Intersect with fence w.</i>	<i>243-40</i>	<i>170</i>							
<i>± STH no. 1</i>	<i>232-00</i>	<i>256</i>							
<i>Wend. culv.</i>	<i>247-25</i>	<i>166</i>							
<i>PP</i>	<i>227-30</i>	<i>240</i>							
<i>± S.T.H. no. 1</i>	<i>252-20</i>	<i>190</i>							
<i>P.P.</i>	<i>251-40</i>	<i>160</i>							
<i>E. end culv</i>	<i>256-05</i>	<i>210</i>							
<i>± S.T.H. no. 1</i>	<i>299-20</i>	<i>170</i>							
<i>fence line</i>	<i>276-40</i>	<i>136</i>							
<i>P.P. fence line</i>	<i>299-20</i>	<i>142</i>							
<i>fence line</i>	<i>325-55</i>	<i>178</i>							

Page 17 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Contd At 05</i>								
<i>E S.T.H. no. 1</i>	<i>330-40</i>	<i>232</i>	✓					
<i>Fence line</i>	<i>342-45</i>	<i>230</i>	✓					
<i>P.P.</i>	<i>333-55</i>	<i>216</i>	✓					
<i>Fence line</i>	<i>353-00</i>	<i>270</i>	✓					
<i>E S.T.H. no. 1</i>	<i>348-25</i>	<i>320</i>	✓					
<i>Fence line</i>	<i>358-10</i>	<i>320</i>	✓					
<i>P.P.</i>	<i>351-30</i>	<i>300</i>	✓					
<i>Fence cor 2 8" tree</i>	<i>1-45</i>	<i>370</i>	✓					
<i>E S.T.H. no. 1</i>	<i>358-10</i>	<i>410</i>	✓					
<i>Fence cor 2 15" tree</i>	<i>14-10</i>	<i>355</i>	✓					
<i>P.P.</i>	<i>1-10</i>	<i>405</i>	✓					
<i>end Fence line</i>								
<i>N.W. cor 4X4 oak hse 2</i>	<i>13-00</i>	<i>412</i>	✓					
<i>End fence at ^{Ice-hse} barn</i>	<i>19-10</i>	<i>465</i>	✓					
<i>N.W. cor Ice-hse 24'5" x 36'E</i>	<i>20-05</i>	<i>465</i>	✓					
<i>12" tree B.O.</i>	<i>13-25</i>	<i>444</i>	✓					
<i>8" " W.O.</i>	<i>14-35</i>	<i>435</i>	✓					
<i>12 " W.O.</i>	<i>10-00</i>	<i>420</i>	✓					

Page 18 Transit Obs. Line
 Date 3-24-38 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd A+05									
15" tree B.O.	11-35	420	✓						
" " " "	11-00	420	✓						
8" " B.O.	10-00	380	✓						
8" " B.O.	17-25	392	✓						
6" " W.O.	5-40	300	✓						
15" " B.O.	16-40	392	✓						
10" " W.O.	16-00	378	✓						
8" " W.O.	5-30	380	✓						
10" " B.O.	13-35	370	✓						
8" " B.O.	8-30	365	✓						
6" " B.O.	8-30	370	✓						
10" " B.O.	12-20	322	✓						
15" " B.O.	4-30	360	✓						
8" " W.O.	6-00	340	✓						
8" " W.O.	2-30	350	✓						
6" " " B.O.	6-15	322	✓						
6" " " "	5-45	322	✓						

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Page 10 Transit Obs. Line
 Date 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
6" tree B.O.	5-20	322	✓					
8" " W.O.	6-25	340	✓					
8" " B.O.	8-00	315	✓					
8" " W.O.	1-30	310	✓					
8" " B.O.	7-15	310	✓					
2-6" " W.O.	3-30	312	✓					
12" " B.O.	12-20	322	✓					
2-6" trees B.O.	4-10	305	✓					
8" tree B.O.	11-00	315	✓					
8" " B.O.	10-45	315	✓					
8" " B.O.	3-10	295	✓					
10" " B.O.	7-20	292	✓					
8" " B.O.	2-20	290	✓					
12" " B.O.	7-00	285	✓					
8" tree on fence line	357-40	310	✓					
3-8" trees W.O.	7-00	245	✓					
8" tree W.O.	7-05	292	✓					

Page 20 Transit Obs. Line
 Date 7-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd At 05</i>									
8" tree W.O.	357-25	262	✓						
8" " W.O.	355-20	284	✓						
12" " W.O.	352-10	212	✓						
12" " " "	350-10	208	✓						
12" " " "	347-50	190	✓						
10" " " "	347-50	190	✓						
12" " B.O.	338-15	190	✓						
Fence line	184-45	77	✓						
" " <i>Fence N.</i> " " <i>st Inter X with</i>	125-40	132	✓						
End fence on shore line	113-50	193	✓						
Fence Δ	158-15	194	✓						
fence Inter X	171-40	330	✓						
fence line	179-30	325	✓						
End fence	267-10	335	✓						
Shore line lake	156-00	315	✓						
8" tree on shore line	153-35	285	✓						
6" tree	154-25	255	✓						

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Page	21	Transit	Obs.	Line					
Date	3-2-30	Rec.							
OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd A-05									
8" tree willow	153-35	255	✓						
10" " on shore line	145-35	250	✓						
8" " w	151-00	232	✓						
10" "	149-25	236	✓						
2-6" trees on shore line	142-50	230	✓						
2-8" trees	143-30	240	✓						
10" tree	131-30	180	✓						
Shore line lake	127-00	205	✓						
4" tree - willow	110-00	160	✓						
Shore line lake	93-45	210	✓						
2-6" tree willows	91-00	170	✓						
1-6" " "	88-30	168	✓						
3-8" " "	86-40	170	✓						
Shore line lake	74-10	240	✓						
2-10" trees willows	77-00	180	✓						
6" tree "	65-30	160	✓						
6" "	58-10	195	✓						

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Page 22 Transit Obs. LineDate 3-3-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd At 05</i>									
<i>Shore line</i>	<i>60-15</i>	<i>280</i>	<i>✓</i>						
<i>6" tree willow</i>	<i>75-00</i>	<i>217</i>	<i>✓</i>						
<i>2-8" " "</i>	<i>60-15</i>	<i>230</i>	<i>✓</i>						
<i>8" " "</i>	<i>58-00</i>	<i>230</i>	<i>✓</i>						
<i>2-6" " "</i>	<i>58-40</i>	<i>240</i>	<i>✓</i>						
<i>2-6" " "</i>	<i>56-50</i>	<i>240</i>	<i>✓</i>						
<i>8" " "</i>	<i>51-20</i>	<i>240</i>	<i>✓</i>						
<i>2-6" " "</i>	<i>54-25</i>	<i>250</i>	<i>✓</i>						
<i>8" " "</i>	<i>55-10</i>	<i>263</i>	<i>✓</i>						
<i>4-8" " "</i>	<i>50-05</i>	<i>290</i>	<i>✓</i>						
<i>2-8" " "</i>	<i>47-30</i>	<i>352</i>	<i>✓</i>						
<i>8" " "</i>	<i>38-10</i>	<i>375</i>	<i>✓</i>						
<i>Shore line lake</i>	<i>42-00</i>	<i>400</i>	<i>✓</i>						
<i>2-6" willows</i>	<i>36-50</i>	<i>405</i>	<i>✓</i>						
<i>8" " "</i>	<i>39-40</i>	<i>435</i>	<i>✓</i>						
<i>Shore line lake</i>	<i>38-50</i>	<i>465</i>	<i>✓</i>						
<i>6" willow</i>	<i>37-00</i>	<i>500</i>	<i>✓</i>						

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RETURN TO State Department of Drainage and Waters, St. Paul, Minn.

Page 23 Transit Obs. Line

Date 3-3-30 Rec. _____

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
Cont'd AX 85								
12" oak Black	198-15	328	✓					
8" " "	202-00	360	✓					
10" " "	203-15	365	✓					
10" " "	203-50	365	✓					
10" " "	205-30	380	✓					
12" oak "	201-25	392	✓					
15" " "	205-15	390	✓					
15" " "	203-20	390	✓					
12" " "	203-00	400	✓					
12" " "	205-15	410	✓					
4" poplar	195-00	400	✓					
10" oak Black	208-30	480	✓					

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Page 24 Transit Obs. Line Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
A + 0 6									
CHK Az - cen. of ball on top flag									
to 0 5			522						
to 0 7	30-12	770							
1 8" tree on island	173-00	318							
2 12" " " "	104-10	380							
3 6" " " "	153-40	318							
4 8" " " "	132-50	300							
5 6" " " "	124-45	357							
6 4-6" " " "	123-15	355							
7 2-8" " " "	121-35	325							
8 8" " " "	120-00	322							
9 10" " " "	119-30	332							
10 10" " " "	120-15	332							
11 10" " " "	120-00	342							
12 8" " " "	119-45	350							
13 12" " " "	118-30	342							

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Page 25 Transit

Obs. Line

Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd At 06</i>									
9-8" trees on Island	115-35	348	✓						
8" " " "	116-25	370	✓						
6" " " "	114-15	362	✓						
4-10" " " "	112-25	370	✓						
8" " " "	112-55	375	✓						
8" " " "	107-00	375	✓						
10" " " "	105-30	394	✓						
8" " " "	103-45	382	✓						
12" " " "	102-30	360	✓						
5-6" " " "	102-45	370	✓						
3-8" " " "	101-30	372	✓						
2-6" " " "	101-30	380	✓						
2-8" " " "	99-40	375	✓						
6" " " "	99-35	380	✓						
8" " " "	98-45	380	✓						
10" " " "	98-35	382	✓						
4-6" " " "	100-30	385	✓						

Page 26 Transit. Obs. LineDate 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cant'd AFO 6</i>								
10" trees on island	102-20	390	✓					
2-8" trees "	98-35	390	✓					
10" " " "	103-00	392	✓					
3-8" " " "	99-45	395	✓					
10" " " "	98-00	390	✓					
7-6" " " "	96-55	385	✓					
2-8" " " "	96-55	385	✓					
2-6" " " "	95-50	390	✓					
2-8" " " "	95-05	392	✓					
6" " " "	95-45	396	✓					
8" " " "	95-10	400	✓					
2-8" " " "	94-15	395	✓					
3-10" " " "	94-30	400	✓					
2-10" " " "	92-45	400	✓					
10" " " "	95-05	430	✓					
2-8" " " "	91-40	400	✓					
3-6" " " "	91-40	400	✓					

11 cottonwood

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 Page 27 Transit Obs. Line
 Date 9-4-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Contd AT 06									
3-6" trees on Island	92-40	405	✓						
2-8" " " "	91-15	410	✓						
8" " " "	92-25	415	✓						
3-12" " " "	89-15	425	✓						
10" " " "	79-25	490	✓						
12" " " "	92-15	365	✓						
12" " " "	85-00	300	✓						
10" " " "	66-00	480	✓						
8" " " "	62-45	460	✓						
15-6" " in 15' Rd	85-20	238	✓						
12" " on island	57-10	400	✓						
8" " " "	85-15	192	✓						
12-6" " in 15' Rd	79-05	164	✓						
8" " on island	84-35	140	✓						
10" " " "	103-10	152	✓						
2-12" " " "	106-40	130	✓						
10" " " "	106-35	119	✓						

Page 28 Transit Obs. Line
 Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
<i>Cont'd At 66</i>									
2-12" trees on island	101-00	115	✓						
15" " " "	109-35	112	✓						
15" " " "	100-35	100	✓						
12" " " "	107-15	102	✓						
12" " " "	94-40	91	✓						
12" " " "	143-30	132	✓						
12" " " "	116-30	141	✓						
10" " " "	119-00	124	✓						
10" " " "	125-50	120	✓						
12" " " "	128-40	84	✓						
8" " " "	134-00	78	✓						
10" " " "	136-10	81	✓						
2-8" " " "	138-00	86	✓						
12" " " "	143-15	91	✓						
10" " " "	149-50	103	✓						
2-12" " " "	159-05	100	✓						
10" " " "	160-30	130	✓						

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Page	29	Transit	Obs.	Line					
Date	3-4-30	Rec.							
OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd At 06									
10" tree on island	165-15	135	✓						
12" " " "	168-25	152	✓						
2-10" trees " "	130-25	192	✓						
12" " " "	133-00	219	✓						
15" " " "	129-30	228	✓						
10" " " "	136-00	233	✓						
15" " " "	122-30	250	✓						
15" " " "	125-45	252	✓						
S.W. cor horse barn	293-25	133	✓						
big fence going W. S.W. cor Chick coop	304-25	140	✓						
S.W. cor store	295-40	200	✓						
15" tree	297-15	172	✓						
12" "	297-50	162	✓						
fence line	308-25	85	✓						
fence cor.	327-20	27	✓						
E S.T.H. no. 1.	299-00	265	✓						
fence line	20-00	160	✓						

Page 30 Transit. Obs. Line
 Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle			Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.			
Cont'd AT 06									
12" Tree W.O.	298-45	219	✓						
8" " W.O.	300-15	211	✓						
12" " B.O.	302-35	195	✓						
Fence cor.	24-35	265	✓						
15" Tree B.O.	316-18	204	✓						
Fence line	18-40	274	✓						
12" Tree B.O.	311-10	177	✓						
Fence cor	352-25	310	✓						
10" Tree B.O.	311-15	191	✓						
Fence line	358-40	361	✓						
18" Tree B.O.	313-00	200	✓						
2-15" " B.O.	315-40	220	✓						
6" " B.O.	317-00	195	✓						
± S.T.H. no. 1.	345-30	396	✓						
12" Tree B.O.	319-30	195	✓						
" " " "	320-25	200	✓						
± S.T.H. no. 1.	324-50	300	✓						

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Page 31 Transit Obs. Line
 Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cont'd At 06</i>								
10" tree B.O.	322-40	232	✓					
P.P.	316-40	260	✓					
10" tree B.O.	327-20	216	✓					
12" " " "	328-10	217	✓					
P.P.	287-40	245	✓					
10" tree B.O.	336-55	232	✓					
10" " " "	332-25	230	✓					
" " " "	329-00	245	✓					
12" " " "	328-40	252	✓					
10" " " "	335-00	242	✓					
10" " " "	336-20	270	✓					
" " " "	336-55	250	✓					
" " " "	338-10	268	✓					
8" " " "	336-20	260	✓					
10" " " "	337-00	273	✓					
2-10" " " "	337-50	280	✓					
12" " " "	339-00	292	✓					

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Page <u>32</u> Transit			Obs.		Line					
Date <u>3-4-30</u>			Rec.							
OBJECT <i>Contd At 06</i>			Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
						Up + Down -	No. of Int. or Angle			
15"	Tree	B.O.	344-20	338	✓					
"	"	" "	348-35	340	✓					
15"	"	" "	347-05	350	✓					
"	"	" "	347-30	360	✓					
8"	"	" "	348-40	358	✓					
12"	"	" "	348-00	372	✓					
12"	"	" "	350-45	365	✓					
12"	"	" "	350-30	380	✓					
8"	"	" "	351-50	370	✓					
12"	"	W.O.	352-30	390	✓					
10"	"	B.O.	353-45	382	✓					
12"	"	" "	353-10	390	✓					
10"	"	" "	350-45	420	✓					
10"	"	" "	354-15	403	✓					
10"	"	" "	354-15	424	✓					
10"	"	" "	354-35	425	✓					
10"	"	" "	357-25	432	✓					

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Page.....		Transit.....		Obs.....		Line.....			
Date.....		Rec.....							
OBJECT		Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
					Up + Down -	No. of Int. or Angle			
Contd. At									
12" tree	B.O.	355-20	422	✓					
15" "	" "	356-10	440	✓					
12" "	W.O.	358.40	450	✓					
10" "	B.O.	0-25	383	✓					
10" "	B.O.	1-20	375	✓					
12" "	" "	3-45	390	✓					
8" tree on fence line		4-00	385	✓					
12" "	B.O.	3-35	405	✓					
10" "	" "	4-30	382	✓					
2-15" "	" "	2-50	425	✓					
12" "	" "	4-00	425	✓					
12" " on fence line		5-50	396	✓					
12" "	B.O.	5-50	425	✓					
12" " on fence line		8-10	418	✓					
12" "	B.O.	3-25	436	✓					
10" " on fence line		9-50	432	✓					
20" "	B.O.	3-20	445	✓					

Page 34 Transit Obs. Line
 Date 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Dis- tance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle	Rod Equiv.		
<i>Cont'd At 06</i>								
18" tree willow	9-10	450	✓					
15" " B.O.	10-00	450	✓					
12" " on fence line	10-50	445	✓					
4.5" tree - cotton- wood	14-00	458	✓					
conc. mount. on S. line of Sec. 9	22-20	540	✓		Δ 112-13			
10" tree W.O.	13-00	370	✓					
2-15" " willows	13-10	315	✓					
8" " W.O.	5-40	325	✓					
8" " W.O.	359-40	310	✓					
W. end culv under No. 1	351-00	400	✓					
E " " " " "	345-15	438	✓					
P. P.	339-05	340	✓					
P. P.	352-10	425	✓					
£ S.T.H. no. 1.	358-15	542	✓					
P. P.	0-20	535	✓					
##								
At conc. mount (P.O.T.) on S. line sec 9 - Δ From 06 to P.O.T. on Sec line W.								

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Page. <u>35</u>	Transit.....	Obs.....	Line.....					
Date. <u>3-4-30</u>	Rec.....							
OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
At 67								
Chk A3 top slag pole to S.W.	89-16							
No 06		770	✓					
No 08	30-32	408	✓	+	1-53		4.0	
12" oak InterX fence on ^{Sec. line}	232-40	245	✓					
fence line - sec line	217-00	205	✓					
Sec line fence at short ^{10 hp}	194-30	170	✓					
12" oak	231-00	250	✓					
12 " "	234-00	252	✓					
10 " "	233-05	245	✓					
12" " on fence line	234-15	255	✓					
12" oak	234-00	245	✓					
12" "	235-15	215	✓					
12" "	235-30	217	✓					
12" " on fence line	238-30	208	✓					
12" oak	238-30	176	✓					
12" "	240-00	184	✓					

Page 36 Transit. Obs. LineDate 3-4-30 Rec.

OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle		Read. on Rod	Diff. of Elev.	Elevation above Datum
				Up + Down -	No. of Int. or Angle			
<i>Cent'd At 07</i>								
12" oak	240-30	168	✓					
15" "	242-00	156	✓					
12" "	249-00	130	✓					
12" "	241-30	121	✓					
12" "	244-30	117	✓					
12" "	253-35	105	✓					
12" "	251-00	100	✓					
12" "	252-55	90	✓					
12" "	253-40	79	✓					
12" "	262-00	77	✓					
8" "	259-05	105	✓					
10" "	261-10	102	✓					
18" "	275-00	61	✓					
8" " on fence line	270-10	84	✓					
16" "	249-40	60	✓					
6" "	291-15	66	✓					
15" "	300-50	55	✓					

RETURN TO State Department of Drainage and Waters, St. Paul, Minn.

VALUABLE