

RN AIRPORT BK 2

PAST'S

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FIELD BOOK

No. 385

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NOTE BOOK No. 2.

# SURVEY OF PROPOSED AIRPORT

SITUATED IN  
SEC. 2, T. 36 N., R. 8 E.,  
TOWN OF CRESCENT  
ONEIDA COUNTY, WIS.

WISCONSIN  
STATE PLANNING BOARD  
STATE OFFICE BLDG,  
MADISON, WIS.

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F. R. WINCENTSEN  
SURVEYOR & RECORDER  
DEC. 17, 1941 - JAN. 31, 1942

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20-23	"A" " " "
24-28	"B" " " "

# BENCH MARKS

No.	ELEVATION
1	106.40
2	102.34
3	98.27
4	102.12
5	101.56
6	98.19
7	122.78
8	117.76
9	102.19
10	101.84
11	108.59
12	107.32
13	102.37
14	124.55
15	128.03
U.S.C. & G. S.	157.79



## BENCH LEVELS

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#1	0.40	106.80		106.40
T.P.	4.46	105.82	5.44	101.36
B.M.#2	2.84	105.18	3.48	102.34
T.P.	2.06	102.37	4.87	100.31
B.M.#3	6.69	104.96	4.10	98.27
T.P.	4.76	105.38	4.34	100.62
T.P.	6.43	104.56	7.25	98.13
B.M.#4	3.20	105.32	2.44	102.12
T.P.	6.55	106.79	5.08	100.24
T.P.	3.55	104.68	5.66	101.13
B.M.#5	8.49	110.05	3.12	101.56
T.P.	2.37	107.80	4.62	105.43
B.M.#6	7.76	105.95	9.61	98.19
T.P.	13.58	118.17	1.36	104.59
T.P.	5.42	123.40	0.19	117.98
B.M.#7	0.62	123.40	0.62	122.78
T.P.	9.52	128.52	4.40	119.00
T.P.	0.28	124.72	4.08	124.44
B.M.#8			6.96	117.76

## Check Levels

B.M.#8	7.04	124.80		117.76
T.P.	9.62	129.41	5.01	119.79
T.P.	1.73	127.08	4.06	125.35
B.M.#7			4.31	122.77 ck.
B.M.#7	Elev. = 122.78			

## DESCRIPTION

TOP COR. FENCE POST S.E. COR. NURSERY (250'  
W. Sta. 21A+07)

SPIKE IN COR. FENCE POST N.E. COR. NURSERY

+ IN TOP GRANITE ROCK (300' RT. Sta. 46B+00)

+ IN TOP PEGMATITE ROCK (200' LT. Sta. 41A+50)

SFK. IN 5" W. BIRCH (250' RT. Sta. 21B+00)

SFK. IN 9" PINE (50' RT. Sta. 14B+50)

SFK. IN 10" OAK (200' RT. Sta. 8B+50)

SFK. IN 28" PINE (150' LT. Sta. 2B+60)

# BENCH LEVELS

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#7	3.47	126.25		122.78
T.P.	2.80	122.31	6.74	119.51
T.P.	1.45	117.55	6.21	116.10
T.P.	2.21	107.46	12.30	105.25
T.P.	6.21	105.59	8.08	99.38
T.P.	4.30	106.85	3.04	102.55
T.P.	8.28	110.37	4.76	102.09
T.P.	0.34	105.71	5.00	105.37
B.M.#9	1.23	103.42	3.52	102.19
T.P.	7.05	109.14	1.33	102.09
B.M.#10	0.79	102.63	7.30	101.84
T.P.	7.95	106.66	3.92	98.71
B.M.#1			0.23	106.43

B.M.#1 ELEV. CORRECTED TO 106.40

# DESCRIPTION

SPK. IN CORNER FENCE POST (100' RT  
STA. 2A+60)

SPK. IN 5" W. BIRCH (90' LT. STA. 11A+10)

## BENCH LEVELS

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#10	1.49	103.33		101.84
T.P.	8.07	110.95	0.45	102.88
B.M.#11			2.36	108.59
T.P.	5.95	116.26	0.64	110.31
T.P.	3.03	110.37	8.92	107.34
B.M.#12			3.05	107.32

## Check Levels.

B.M.#12	3.86	111.18		107.32
T.P.	6.02	114.19	3.01	108.17
T.P.	2.86	113.05	4.00	110.19
B.M.#11	5.12	113.71	4.46	108.59
T.P.	3.18	108.15	8.74	104.97
B.M.#10			6.33	101.82 CK.

B.M. #10 ELEV. = 101.84.

## DESCRIPTION

SPK. IN 12" PINE 150' RT. STA. 8C+00

SPK. IN 6" CHERRY 100' RT. STA. 0C"-50

## BENCH LEVELS.

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#1	0.37	106.77		106.40
T.P.	5.03	107.64	4.16	102.61
B.M.#13			5.73	102.37

## check levels.

B.M.#13	4.34	106.71		102.37
	4.91	106.50	5.12	101.59
B.M.#1			0.10	106.40 ck.

## DESCRIPTION.

5FK. IN 8" CEDAR POST 100' RT. STA 266+00

# BENCH LEVELS

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#6	11.95	110.14		98.19
T.P.	13.69	123.63	0.20	109.94
T.P.	7.92	128.63	2.92	120.71
B.M.#14			4.08	124.55
T.P.	5.43	130.39	3.67	124.96
B.M.#15			2.36	128.03

DESCRIPTION

SPK. IN 10" R. OAK 100' RT STA. 51C+00

SPK. IN TEL. POLE 150' LT STA. 57C+00

## Check Levels.

B.M.#15	3.17	131.20		128.03
	3.80	130.00	5.00	126.20
B.M.#14	2.19	126.74	5.45	124.55
	1.01	121.24	6.51	120.23
	2.52	111.65	12.11	109.13
B.M.#6			13.49	98.16 CK.

B.M.#6 ELEV. = 98.19



LEVELS FROM AIRPORT BENCH  
LEVEL CIRCUIT TO U.S. COAST &  
GEODETIC BENCHMARK & A STATION.

Sta.	B.S.	H.I.	F.S.	ELEV.
B.M.#15	9.80	137.83		128.03
T.P.#1	12.22	149.81	0.24	137.59
T.P.#2	12.99	161.73	1.07	148.74
U.S.B.M.			3.94	157.79

Check levels

U.S.B.M.	1.03	158.82		157.79
T.P.#1	0.85	146.51	13.16	145.66
T.P.#2	3.72	138.22	12.01	134.50
B.M.#15			10.19	128.03 ✓

U.S. COAST & GEODETIC SURVEY  
TRIANGULATION STATION & BENCH MARK  
FOR INFORMATION WRITE U.S.C. & G.S.  
SUPERINTENDENT, WASHINGTON, D.C.,

1921  
PETERSON.

NOTE:—

ABOVE U.S. B.M. SITUATED APPROX.  
1.5 MILE WEST OF RHINELANDER CITY  
LIMITS. 12"X12" CONC. POST WITH  
METAL DISC SET FLUSH WITH GROUND  
SURFACE ON HILL TOP.

F.R. W.

NOTE:—Above B.M. officially described as  
follows—"about 2 mi. W. of Rhinelander on high culti-  
vated hill owned by Pete Green, in Sec 1, T36 N,  
R8 E, about 500' S. of Rhinelander-Tomahawk road,  
about 1/2 mi. N. of M. St. R. & S.S.M. Ry., about 400' S. of  
Mr. Green's house; a standard triangulation disk  
tamped 'Peterson 1921'. Elevation - 1654.767.

B.M.

PAGES 9-12 BLANK

LA  
LEV  
GEO  
Sta  
BM#  
T.P.  
T.P.  
U.S.B.

U.S.B.  
T.P.  
T.P.  
BM#

# SOIL ANALYSIS

Sta.	"A" LINE					
	Sandy loam	Sand	Gravel	Sandy clay	Peat	Sand
0+00	2.0	4.0		2.0		
2+00	1'	3.0		4.0		
5+00					10.0'	3.0'
10+00	2'	1.0		5.0		
15+00	0.5'	3.5'		5.0'		
20+00	1.0	1.0		4.0		3.0'
25+00	1.0'	3.0		2.0		4.0'
30+00	2.0	1.0		3.0		3.0'
35+00	3.0	4.0		2.0		
40+00		4.0		4.0		
43+00	2.0	2.0		5.0		
44+00	2.0	2.0		4.0		1.0'
45+00		4.0		2.0		2.0'
48+00	1.0	5.0		2.0		1.0'

READ LEFT TO RIGHT =

13

SURFACE TO BOTTOM TEST HOLE

## SOIL ANALYSIS

Sta.	B" HINE				
	Sandy Loam	Sand	Gravel	Sandy clay	Peat Sand
0+00					3.8' 4.6'
5+00	1.0'	4.0'	2.0'		2.0'
10+00		5.0'		2.0'	2.0'
15+00					7.5' 4.0'
20+00		4.0		2.0'	4.0'
25+00	1.0'	3.0'		3.0'	2.0'
30+00	1.5'	3.5'		2.0'	2.0'
35+00	2.0'	3.0'		1.0'	3.0'
40+00	1.5'	2.5'	1.0'	1.0'	3.0'
45+00	1.0'	3.0'	0.5'	4.0'	1.5'
50+00					8.4' 4.0'



# SOIL ANALYSIS

Sta.	Sandy loam	"C" LINE		Sandy clay	Peat	Sand
		Sand	Gravel			
0+00	2.0'	2.0'	0.5'	3.0'		2.5'
5+00	1.0'	2.0'	1.0'	1.0'		5.0'
10+00	1.5'	4.0'		3.0'		1.5'
15+00	1.0'	3.0'	0.5'	2.5'		3.0'
20+00	1.5'	3.5'		4.0'		
25+00	1.0'	3.0'	0.5'	4.5'		
30+00	1.0'	2.0'	0.5'	4.0'		2.5'
35+00	1.0	2.0'		4.0'		2.0'
40+00					7.4	3.0'
45+00	1.0'	3.0'		3.0'		4.0'
50+00	1.0'	2.0'	1.0'	4.0'		2.0'
55+00	1.0'	3.0'	1.5'	4.5'		

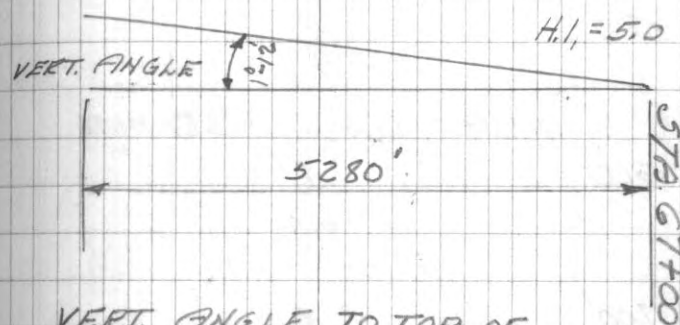
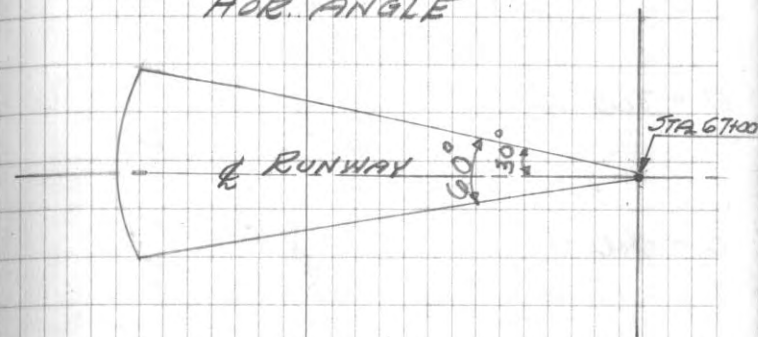
## PROFILE "C" LINE &amp; EAST.

	9.73	137.76	128.03 B.M.*
57+00		<u>4</u> 129	124.9
58		<u>4</u> 9.5	
	9.30	144.84	222 135.54
59		<u>4</u> 6.1	
60		<u>4</u> 4.2	
61		<u>4</u> 3.5	
62		<u>4</u> 9.7	
63		<u>4</u> 6.5	
		159.65	
+60	1.86	<u>4</u> 3.4	157.79
64		<u>4</u> 10.5	

Sta.	B.S.	H.I.	F.S.	ELEV.
65	1.47	147.91	<del>13.2</del>	146.44
			15.2	
	2.33	136.86	13.38	134.53
66		<del>12.6</del>		
		12.6		
67		<del>12.3</del>		
		12.3		

159.65

PLAN  
HOR. ANGLE



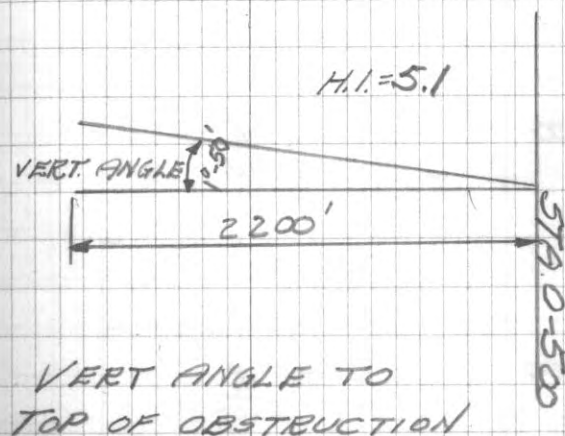
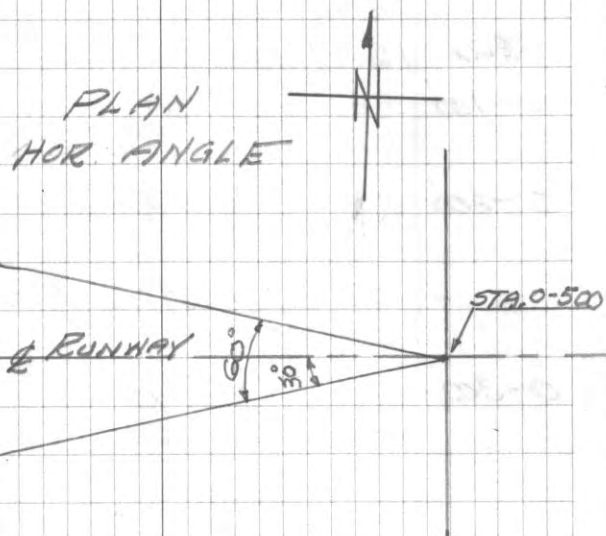
VERT. ANGLE TO TOP OF  
OBSTRUCTION

# PROFILE "C" LINE & WEST.

Sta.	B.S.	H.I.	F.S.	ELEV.
	7.96	115.28		107.32 B.M.
0-100'		<del>4</del> 13.3		
0-200'		<del>4</del> 16.8		
0-300'		<del>4</del> 7.2		
0-400'		<del>4</del> 5.2		
0-500'		<del>4</del> 7.7		
0-600'	1.04	103.02	13.30	101.98
		<del>4</del> 6.2		
0-700'		<del>4</del> 14.2		



Sta	B.S.	H.I.	F.S.	ELEV.
		103.02		
0-800'		<del>8</del> 13.5		
0-900'		<del>8</del> 10.6		
0-1000'		<del>8</del> 5.4		

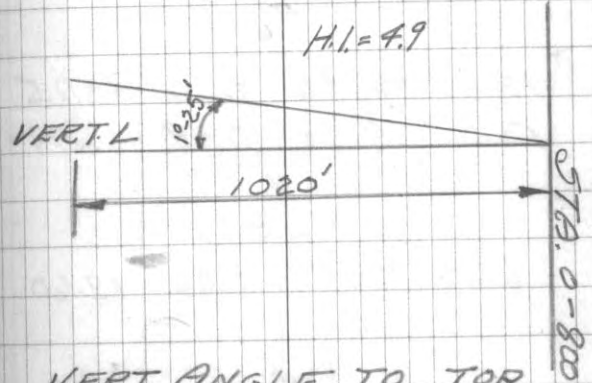
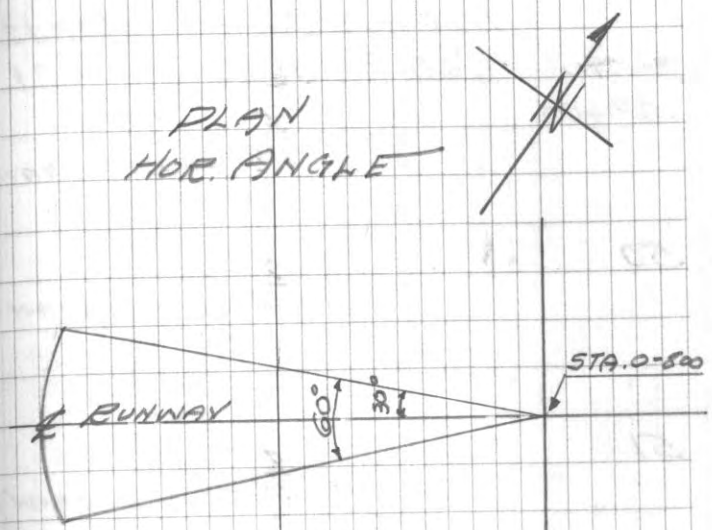


# PROFILE "A" LINE E-S.W.

Sta.	B.S.	H.I.	F.S.	ELEV
	12.95	115.14		102.19 BM
	12.77	126.22	1.69	113.45
0-100'		<del>£</del> 7.9		
0-200'		<del>£</del> 5.5		
	10.54	134.69	2.07	124.15
0-300'		<del>£</del> 6.0		
0-400'		<del>£</del> 6.9		
0-500'		<del>£</del> 11.4		
0-600'		<del>£</del> 4.5		

		134.69		
Sta.	B.S.	H.I.	F.S.	ELEV.
0-700		$\frac{2}{2.8}$		
	1.33	133.72	2.30	132.39
	0.59	120.61	13.70	120.02
0-800		$\frac{6}{6.4}$		
	1.32	108.70	13.23	107.38
	2.60	99.62	11.68	97.92
0-900		$\frac{6}{6.9}$		
0-1000		$\frac{10}{10.9}$		

PLAN  
HOR. ANGLE



VERT. ANGLE TO TOP  
OF OBSTRUCTION

## PROFILE "A" LINE &amp; - N.E.

Sta.	B.S.	I.I.	F.S.	ELEV.
	1.20	103.32		102.12 B.M.
	4.30	94.01	13.61	89.71

49+00

~~4~~

11.8 Top ice CURRAN LAKE

50

~~4~~

11.8 Top ice CURRAN LAKE

51

~~4~~

11.8 Top ice CURRAN LAKE

52

~~4~~

7.6

13.65 106.90 0.76 93.25

13.05 119.46 0.49 106.41

53

~~4~~

5.3

6.25 124.85 0.86 118.60

54

~~4~~

4.5



Sta.	B.S.	H.I.	F.S.	ELEV.
		124.85		

55		$\frac{8}{8.4}$		
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56		$\frac{5.8}{5.8}$		
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57		$\frac{1.6}{1.6}$		
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	3.19	127.04	1.00	123.85
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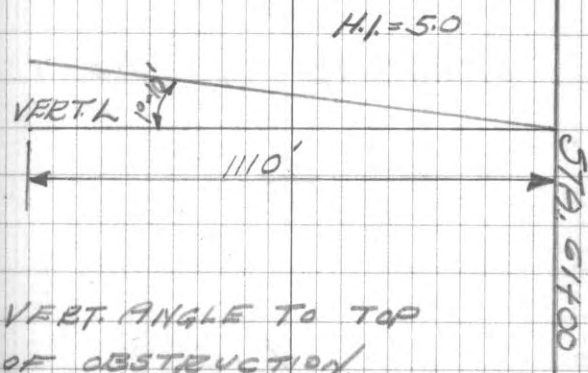
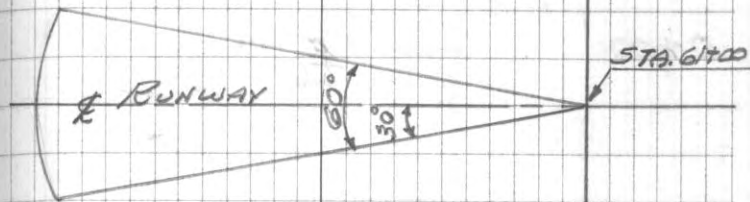
58		$\frac{5.4}{5.4}$		
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59		$\frac{11.5}{11.5}$		
----	--	---------------------	--	--

60		$\frac{10.5}{10.5}$		
----	--	---------------------	--	--

61		$\frac{6.0}{6.0}$		
----	--	-------------------	--	--

PLAN  
HOR. ANGLE



VERT. ANGLE TO TOP  
OF OBSTRUCTION

# PROFILE "B" LINE - S.E.

Sta.	B.S.	H.I.	F.S.	ELEV.
	1.46	119.22		117.76 B.M.

0+08

 $\frac{4}{6.4}$ 

0+00

 $\frac{4}{6.6}$ 

0-100'

 $\frac{4}{6.3}$ 

0-200'

 $\frac{4}{6.7}$ 

5.90 118.97 6.15 113.07

0-300'

 $\frac{4}{5.3}$ 

0-400'

 $\frac{4}{5.3}$

Sta.	B.S.	I.I.	F.S.	ELEV.
		118.97		

0-500'

4.7

0-600'

$$\frac{4}{3.9}$$

0-700'

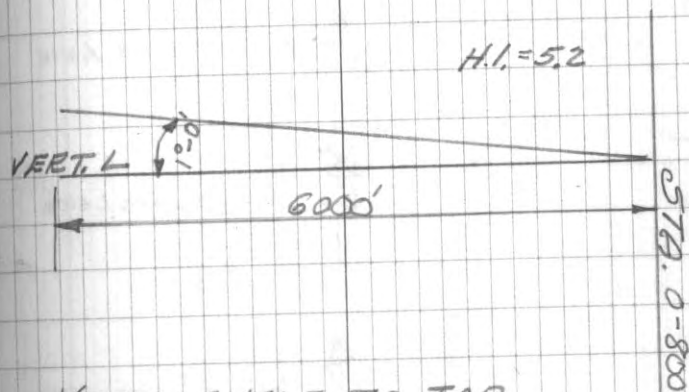
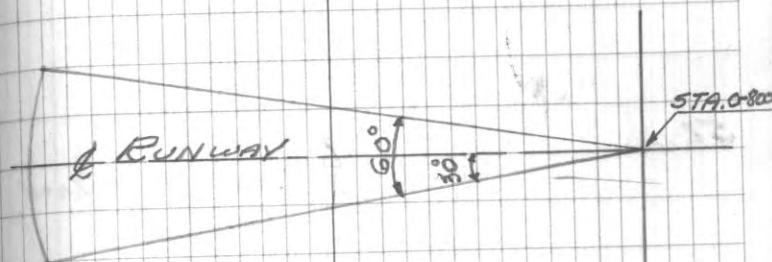
$$\frac{2}{7.7}$$

0-800'

£  
9.4

# PLAN

## HOR. ANGLE



VERT. ANGLE TO TOP  
OF OBSTRUCTION

# PROFILE "B" LINE E. - NW.

Sta.	B.S.	H.I.	F.S.	ELEV.	
	1.03	99.30		98.27	B.M. #3
	2.52	89.11	12.71	86.59	

51+00

~~4~~  
4.9

52

~~4~~  
5.2

TOP ICE LONG LAKE

53

~~4~~  
5.2

TOP ICE LONG LAKE

54

~~4~~  
5.2

TOP ICE LONG LAKE

55

~~4~~  
5.2

TOP ICE LONG LAKE

56

~~4~~  
5.2

TOP ICE LONG LAKE



Sta. B.S. H.I. F.S. ELEV.  
89.11

57  $\frac{5}{5.0}$  Grd.  
5.42 89.53 5.00 84.11

58  $\frac{5}{5.1}$

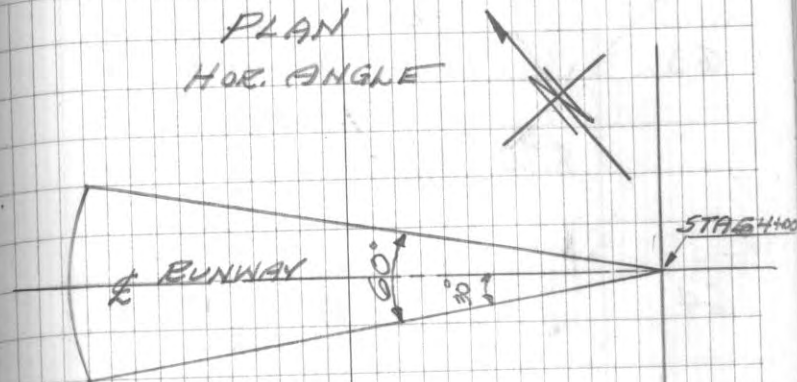
59  $\frac{5}{5.2}$

60  $\frac{5}{2.2}$

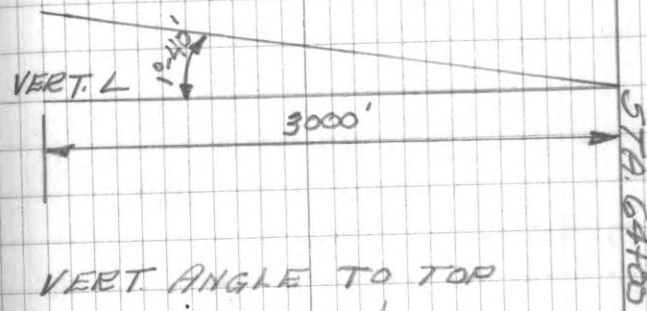
61  $\frac{5}{5.2}$

62  $\frac{5}{5.2}$   
6.50 91.78 4.25 85.28

PLAN  
HOR. ANGLE



H.I. = 5.1



VERT. ANGLE TO TOP  
OF OBSTRUCTION

Sta.	B.S.	H.I.	F.S.	LEV
		91.78		

63

~~4~~  
1.8

8.70	99.77	0.71	91.07
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64

~~4~~  
5.8

PAGES 28-79 BLANK

$$\begin{array}{r} 13.86 \\ 11.10 \\ \hline 2.76 \end{array}$$

$$\begin{array}{r} 135.5 \quad 138.5 \\ 13.8 \quad 13.8 \\ \hline 121.7 \quad 124.7 \end{array}$$

$$\begin{array}{r} 138.6 \\ 13.3 \\ \hline 125.2 \end{array}$$

Robert Weidmann S  
 Henry " S  
 Henry Weidmann Sr. East.  
 William Krueger S.E.