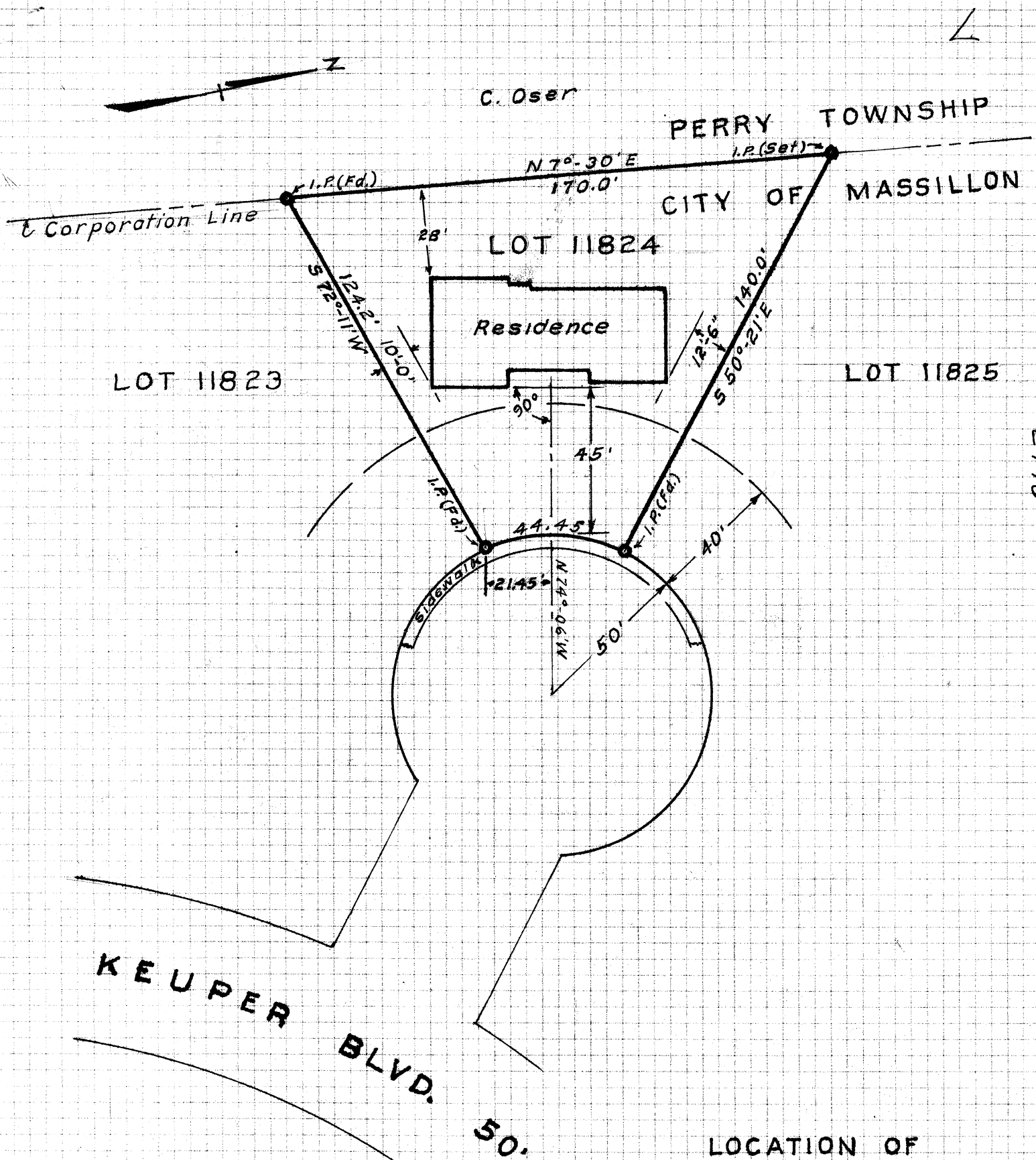




LOCATION OF
WILLIAM LUDWIG RESIDENCE
ON LOT 11824 IN
THE CITY OF MASSILLON
Scale: 1 inch = 40 Feet.
Dr. By: *M. J. Ater* June 5, 1972.

2476

Bill Ludwig

N S E W

S 62°-37'E 140.0
45994 88795

63.39 124.31

S 3°-43'W 42.9
99790 06482

42.81

2.78

S 60°-00'W 124.2
50000 86603

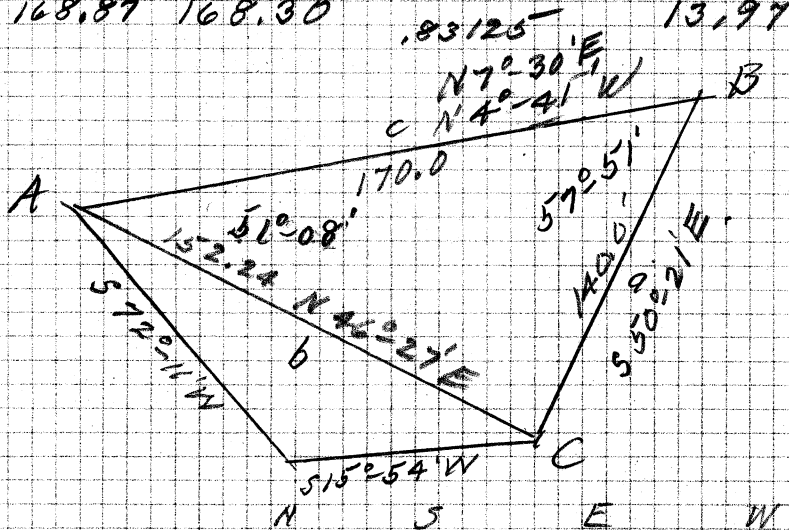
62.10

107.56

N 4°-45'E 168.87 168.30
99657

.83125

13.97



S 3°-43'W 42.9

42.81

2.78

S 60°-00'W 124.2

62.10

107.56

N 46°-27' E 152.24 104.91 .95078 110.34
72477

a = 140.0

b = 152.24

c = 170.00

$$\sin \frac{1}{2} A = \sqrt{\frac{(s-b)(s-c)}{bc}}$$

$$s = \frac{231.12}{2} = 115.56$$

$$s - b = 115.56 - 152.24 = -36.68$$

$$s - c = 115.56 - 170.00 = -54.44$$

$$= \frac{(-36.68)(-54.44)}{152.24 \times 170.00} = \frac{1997.1}{25880.8} = 0.0771$$

$$462.24 \div 2 = 231.12 = s \quad (b) 152.24 \times (c) 170.00$$

$$= \sqrt{18628271} = 43160 = \sin 25^{\circ}34' \times 2 = 51^{\circ}-08'$$

4
16
262
83 249
1382
861 861
52175
8626 51756
42100
86320

77861
sin 51°-08'
140
N 4°-41'W
N 7°-30'E
12°-11'W
S 60°-00'W
12°-11'
S 72°-11'W

84668
sin 57°-51'
152.24
57°-51'
N 7°-30'E
N 50°-21'W
12°-11'
S 3°-43'W
S 15°-54'W

N 4°-41'W
57°-51'
4°-41'
S 62°-32'E
S 15°-54'W
N 74°-06'W