

179.60
92.17
77.43

TUSCARAWAS RIVER

No 30.58' W
(bearing from land)
Ohio Water Service Co

371.2

372.0

93° 38'

372° Z

30 ft Driveway

0.119 Acres

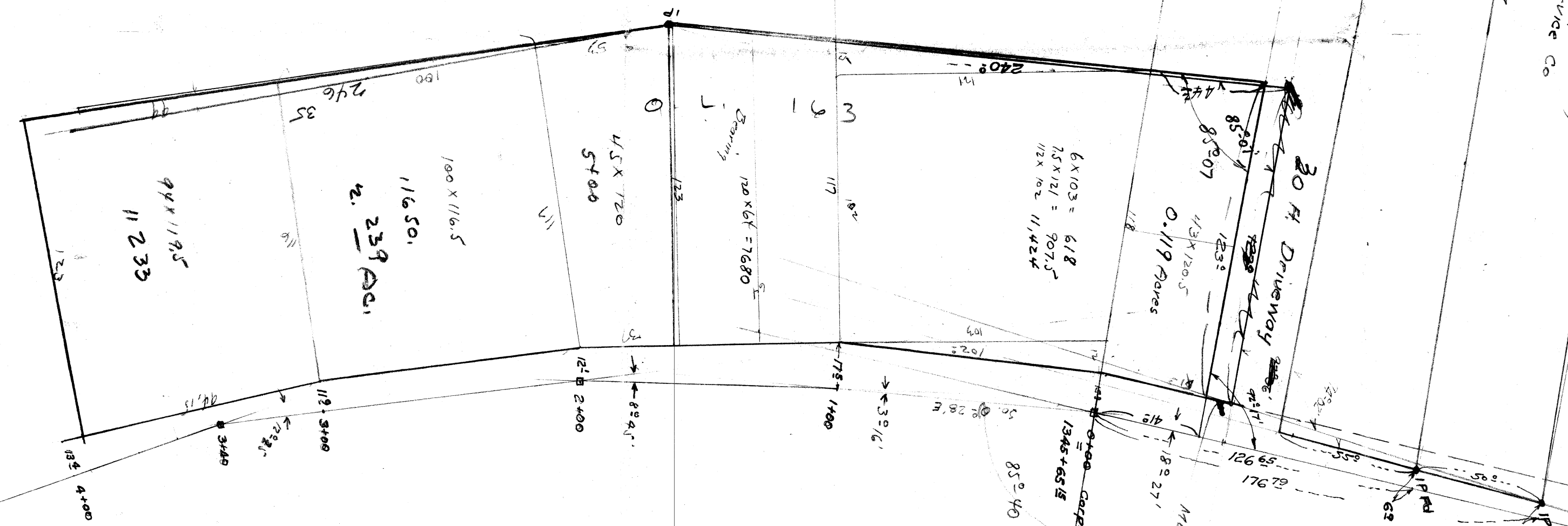
Scale 1/4" = 40 FT

6180
907.5
11427.0
7680.0
5400.0
11650.0
11233.0

97512.5

246.35
153
93.35

94.15
93.35

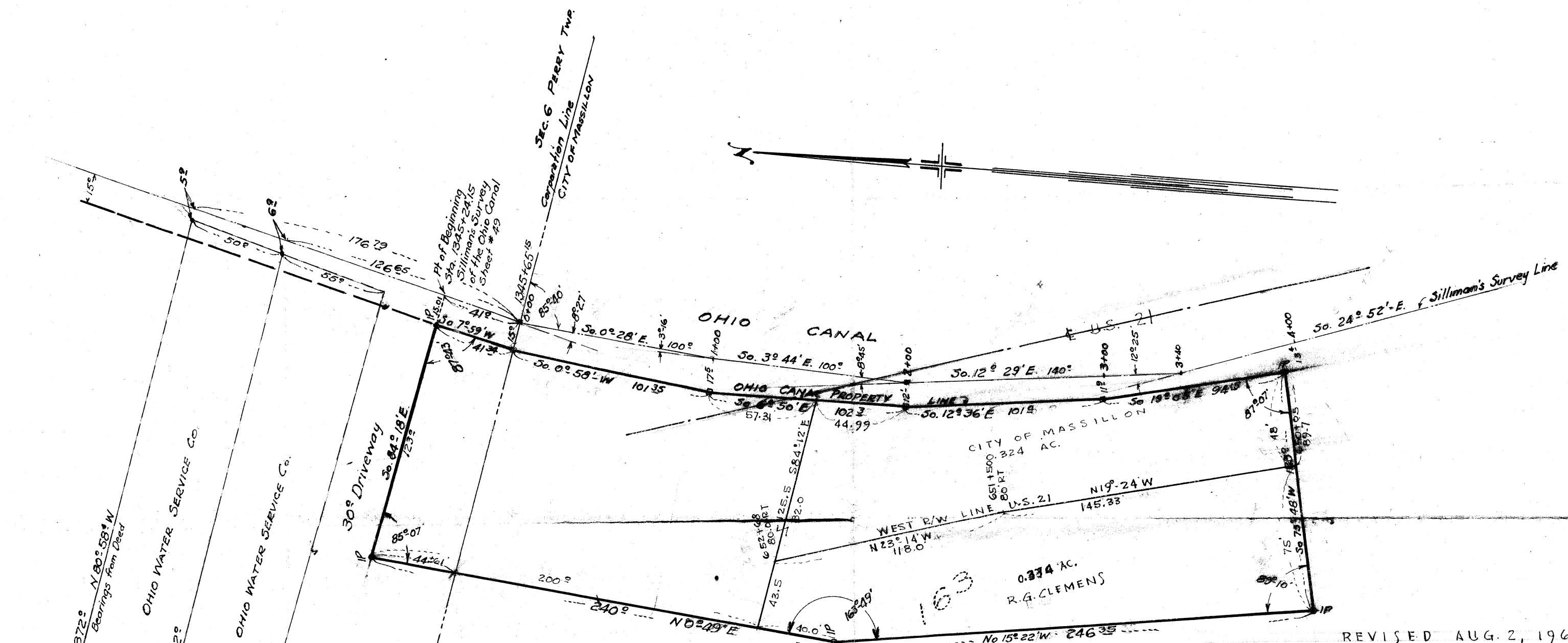


53
33
90

1345 + 65.15
50.65
14.86
1345

Set up on 0+00
at point at 41.9 feet to
fence at 1+00
along the
driveway

Sillman's Survey Line 2



**SURVEY OF PART OF OL 163
AND LAND TO THE NORTH
BY RICE & WALLACE - SEPT 17 1936
SCALE 1" = 50'**

REVISED AUG. 2, 1962 BY
R. F. WAGONER - REG. SURVEYOR

DESCRIPTION

That part of OL 163 in the City of Massillon, Ohio, and also the part lying north of the City of Massillon corporation line and south of the Ohio Water Service Company's land between the Ohio Canal and the Tuscarawas River in Sec. 6, Perry Township, owned by Mary Oster et al, described as follows: Beginning at a point 41.0 feet north of the corporation line of the City of Massillon on Silliman's Survey line, said point being Station 1345 + 24.15 (on sheet No. 49 of Silliman's Survey of the Ohio Canal); thence north 84° 18' west 15.01 feet to an iron pin, also the west property line of the Ohio Canal and the true place of beginning; thence following the west property line of the Ohio Canal southerly the following course: south 7° 59' west 41.34 feet; thence south 0° 58' west 101.35 feet; thence south 6° 50' east 102.3 feet; thence south 12° 36' east 101.0 feet; thence south 19° 05' east 94.15 feet to an iron pin; thence south 73° 48' west from the west property line of the Ohio Canal 123 feet to an iron pin; thence north 15° 22' west, 246.35 feet to an iron pin; thence north 0° 49' east 240.0 feet to an iron pin; thence south 84° 18' east 123.0 feet to the true place of beginning containing 0.119 acres in Sec. 6 Perry Township and 2.239 acres in OL 163 in the City of Massillon with the total of 2.348 acres in the above described plot.

SURVEY OF PT. O. L. 163 & PT.

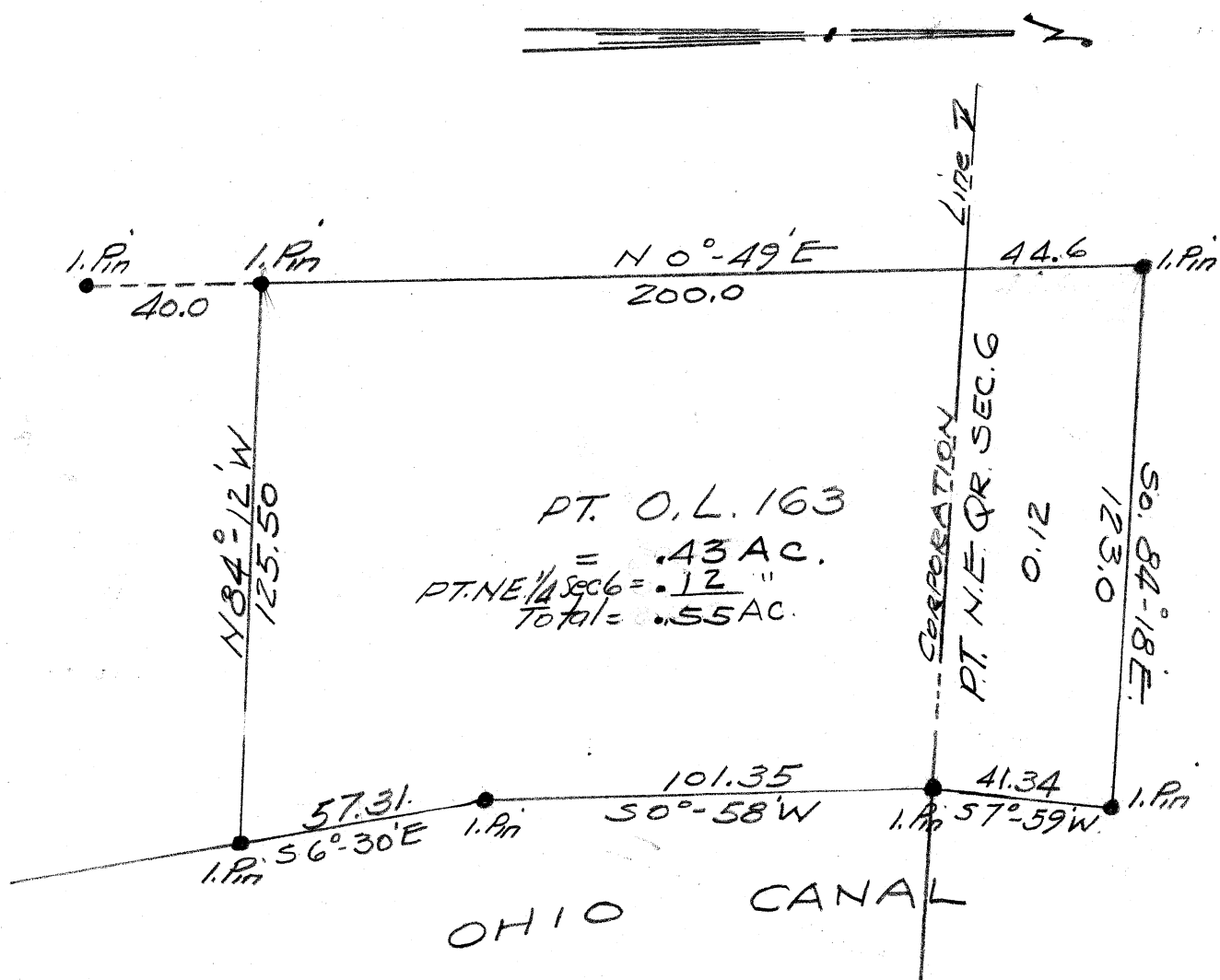
MASSILLON, STARK, OHIO

FOR R. G. Clemens Rear 42 Lake Ave. N.W.

DATE 6-24-'55

BY H. M. PIPER - REGISTERED ENGINEER AND SURVEYOR

SCALE: 1" = 40'



R. G. Clemens

Survey of Pt. O.L. 163 and Pt. N. E. Qr. Sec. 6

Perry Twp. - Stark County, Ohio

Known as and being a Pt. of O.L. 163 in the City of Massillon,
Ohio, and a Pt. of the ^{Southeast} Northeast Quarter of Section 6, Perry Township,
Stark County, Ohio, and being more fully described as follows:

Beginning at an iron pin on the Northeast corner of O.L. 163
said pin being on the Corporation Line of the City of Massillon, Ohio,
and also being the true place of beginning of the tract here-in conveyed;
thence S 0° -58' W 101.35 feet along the east line of O.L. 163 to an iron
pin; thence S 6° -30' E along the east line of O.L. 163 57.31 feet to an
iron pin; thence N 84° -12' W 125.50 feet to an iron pin; thence N 0° -49' E
200.0 feet to an iron pin; ~~thence N 0° -49' E 200.0 feet to an iron pin;~~
thence S 84° -18' E 123.0 feet to an iron pin; thence S 7° -59' W 41.34 feet
to the place of beginning containing 0.55 acres of which 0.43 acres is a Part
of O.L. 163.

Nov. 14th, 1936

Mr. J. H. McGuffin,
Tax Map Office,
Court House,
Canton, Ohio.

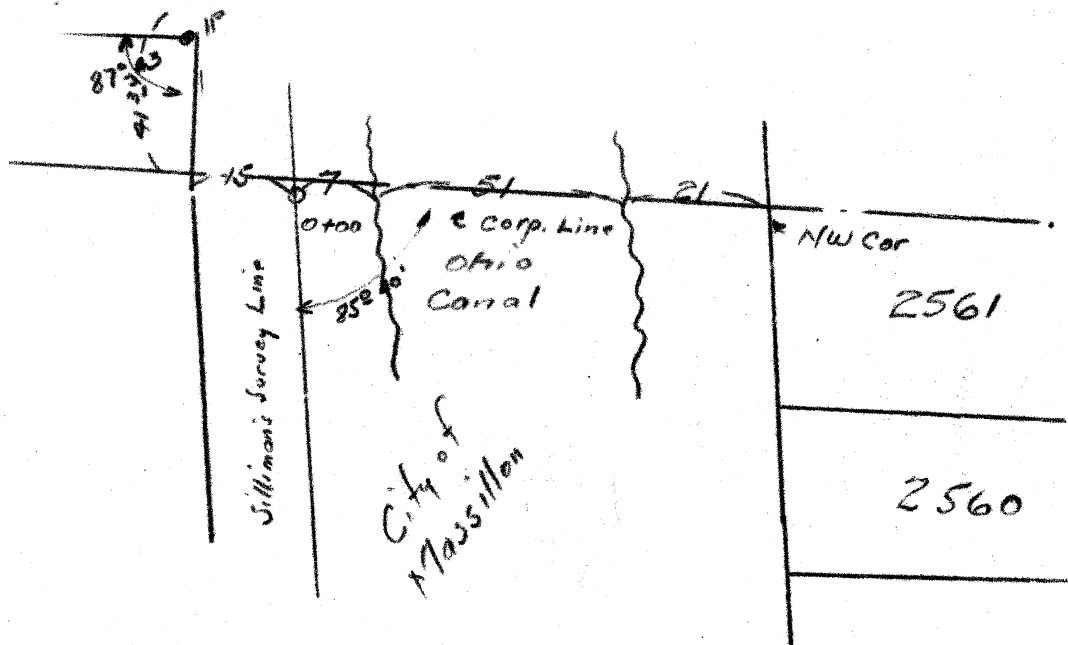
Dear Mack:

In answer to your letter of Nov. 13th, 1936,
regarding the tie-in from lot #2561 to a recent
survey of part of OL 163, I wish to state that
this data is on map sheet #50 of Silliman's Survey
of the Ohio Canal. I show a little sketch below
of this tie-in.

Yours truly,

GCW/EC

Geo. C. Wallace, Asst. Engr.



ENGINEERING OFFICE

WADE W. SHIDLER
COUNTY ENGINEER
COUNTY SANITARY ENGR.

H. E. ANDERSON
CHIEF DEPUTY

COUNTY OF STARK
CANTON, OHIO.



COURT HOUSE
TELEPHONE 7601

TAX MAP OFFICE
TELEPHONE 7701

Nov. 13, 1936

Rice & Wallace
City Engineer
Massillon, Ohio

Dear Sir:

Please supply a distance between lot 2561 to the recent survey of Outlot 163 made to the First Savings and Loan. This canal offset line has no tie-in as far as I can see.

Please let me know.

Very truly yours,

J. H. McSufflin

JHM:JC

S 74°-42'E	290.43	N	S	E	W	
26387 96456				76.64	280.14	
S 23°-14'E	162.63			149.44	64.15	N 85°-14'-15"W
91891 39448						16°-46'-40
N 85°-24'W	123.70	9.92			123.30	101°-00' 50
08020 99678						= S 78°-59'-10"W
N 74°-42'W	150.59	39.74			145.25	30°-53'-30"
26387 96456						S 48°-05'-40' N
N 23°-14'W	192.00	176.43			75.74	
91891 39448						
	226.09	226.18	344.29	344.29		30°53'-30" ÷ 2 = 15°-26'-45"
						Tan 15°-26'-45" (.27631)
						X(R) 57' = 15.75'
		N	S	E	W	
S 81°-06'-40"E	290.88			44.92	287.39	16°-46'-40" ÷ 2 = 8°-23'-20"
15442 98800						Tan 8°-23'-20" (.14737)
S 25°-23'-40"E	135.88			122.75	58.28	X(R) 320.79' = 47.27'
90334 42894						
S 48°-05'-40"W	15.75			10.52	11.72	
66783 74431						
S 78°-59'-10"W	47.27			12.04	61.86	S 81°-06'-40"E
19109 98157	15.75					S 25°-23'-40"E
	63.02					55°-43'-00"
N 85°-14'-10"W	47.27	15.82			189.70	S 74°-42'E
08310 99654	143.09					S 23°-14'E
	190.36					51°-28'
N 25°-23'-40"W	192.00	173.44			82.36	
90334 42894						
	189.26	190.23	345.67	345.64		N 85°-14'-10"W
		0.97		0.03		S 81°-06'-40"E
S 25°-23'-40"E L = N 64°-36'E 20.0'						4°-7' 30"
N 41°-54'W	N 16°-30'W	Δ ÷ 2 = 10°-07.5'				S 72°-42'E
- 25°-24'	S 13°-46'W	S 48°-06'W	20°-15'			N 23°-14'W
N 16°-30'W	20°-15' = Δ	S 68°-21'W				49°-28'
East	N	S	E	W		Tan 10°-7.5' (.17858) = 10.18'
N 64°-36'E 20.00'			20.00			20.25°
						20°-15'
South						360°
S 25°-24'E 25.00		25.00				358.1424 = 20.15
						= 2.090V.
						57X2 = 114 X 3.1416 = 358.1424
N 16°-30'W						
N 41°-54'W	57.00	54.65		16.19		
95882 29402						
S 3°-50'W						
S	57.00	56.87		3.81		
99776, 06684						
North						
N 25°-23'W	27.22	27.22				

Charles Hammond,

1-1-71

P.2

N	S	E	W	M.D.	N	S
8.58		18.07		9.02	77.39	

N 64°-36'E 20.00
72894 90334

S 25°-24'E 25.00
90334 92894

S 48°-06'W 10.18
60783 74431

S 68°-21'W 10.18
36894 92945

N 25°-24'W 27.22 24.59
90334 42894

22.58 10.72

6.80

3.76

7.58

9.46

11.68

23.40

24.97

17.44

5.85 143.85

528.37

169.80

65.57

33.17 33.14 28.79 28.72

542.5 ft
0.012 Acre

N 64°-36'E

0.01 Acre

27.22
24.59
Scales

11 11 11 11

RIVER

JEN. HUFF

10143

2135.207
2877.564

10141

257.8

1A3

Virginia Selogy

O.L.

L.

10146

1

4

CITY
2567 677

2696

2695

2694

2691

2692

2693

KRACKER

2537

2538

2541

ST.

N.W.

2539

2551

2552

2553

2554

2542

2543

2545

2546

2547

2548

T.W.

O.

L. 163

O.L. 475

West Line of Canal

(223 AS Survey by C. Rice)
113 Calm - 1109;
048 of Mas
534.00.

N 23° 14' W

3060.122

3323.289

3320.431

2557

2558

2559

2560

LAKE

697

698

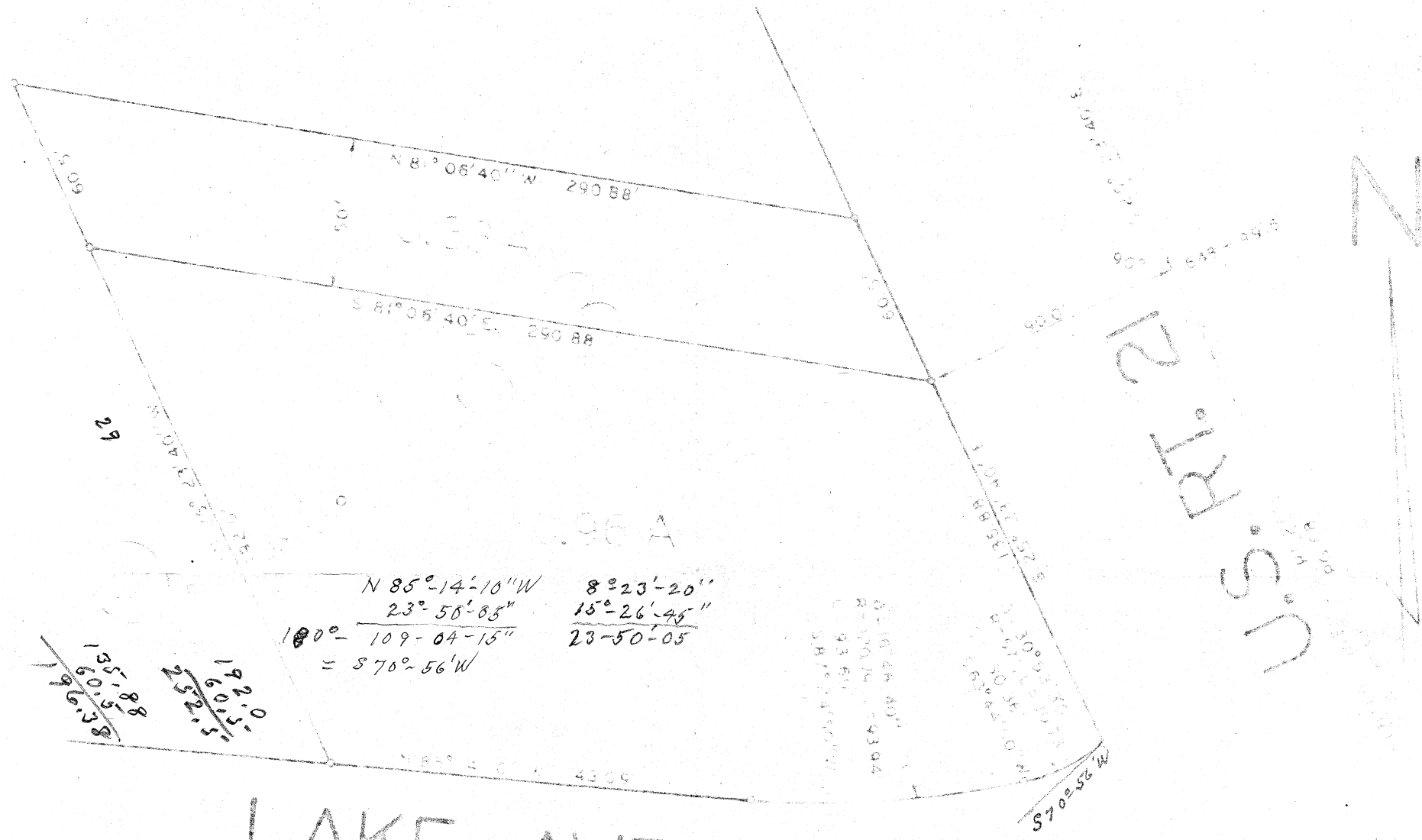
699

700



2092

654-135-1 CORP. L.F.



LAKE AVE. N.W.

PART OF Q. 63-7-55-1
STARK CO., CHIC

HAMMOND LUMBER	
RICHARD J. FAULHABER AND ASSOCIATES REG. SURVEYOR 4301	
DATE 5-4-966	SCALE 1" = 50'
FIELD R.J.F.	
DRAWN R.J.F.	44 50'
CHECKED	FILE A-184

H

LAND DESCRIPTION

Hammond-Massillon Corporation

The following described premises situated in Out Lot 163 in the City of Massillon, State of Ohio and being described as follows:-

Beginning at an iron pin at the intersection of the West Right-of-way line of U. S. Highway Route 21 with the north line of Lake Avenue N. W. in said city:- thence along said north line the following 3 courses first, from a tangent bearing S 70° - 56' W along a curve to the right having a radius of 57 feet for a distance of 30.7 feet, thence along a second curve to the right having a radius of 320.8 feet and thence N 85° - 14' W 140.0 feet to an iron pin, thence N 25° - 24' E 252.5' to an iron pin, thence S 81° - 07' E 290.9 feet to an iron pin on the west line of U. S. Highway Route 21 and thence S 25° - 24' E 196.4 feet to the point of beginning containing an area of 1.32 Acres.

1025

EASEMENT

Massillon Hammond Corp. to Carter Jones Company

Being a part of Out Lot 163 in the City of Massillon,
County of Stark, State of Ohio and being more particularly described
as follows:

Beginning at an iron pin at the intersection of the north
line of Lake Avenue North West with the west line of United States
Highway Route Number 21 thence from a tangent bearing South forty
eight degrees and six minutes West along the north line of Lake Avenue
and a curve to the right having a radius of Fifty-seven feet for a
distance of Twenty and One Tenth feet, thence North twenty-five
degrees and twenty-four minutes West twenty-seven and two tenths feet,
thence North sixty-four degrees thirty-six minutes East Twenty feet
to the said west line of Route 21 and thence South twenty-five degrees
and twenty-four minutes East Twenty-five feet to the point of beginning
containing an area of Twelve thousandths of an acre.

The above area described is a part of the same area acquired
from the Ohio Water Service Company by deed recorded in Volume 3050,
Page 222 of the Deed Records of Stark County, Ohio.

*Hammond-Mass Corp
P.O. 1409 Sta C.
Cant 217.*

Thom. Hammond Hg-96383
5408 Peninsula Dr. N.W.

DEED DESCRIPTION

Melbourne W. Phipps & Oscar J. Green to Ohio Water Service Company

The following described premises situated in the City of Massillon, County of Stark, State of Ohio and known as:

Being parts of Out Lot Number Eighty (80) in said City of Massillon and described in Two Parcels as follows:-

South Parcel

Beginning at an iron pin located at the southeast corner of said Lot and being the point of intersection of the West line of Third Street with the south line of Section Six (6), thence along the south line of said Lot North eighty-nine degrees and forty-seven minutes West (N 89°-47'W) Three hundred thirty and seven tenths (330.7) feet to an iron pin, thence North six degrees and six minutes East (N 6°-06'E) Two hundred twenty-five and eight tenths (225.8) feet, thence South seventy-six degrees thirty-nine minutes and thirty seconds East (S 76°-39'-30"E) Fifty-one and fifty four hundredths (51.54) feet, thence South eighty-six degrees and fifteen minutes East (S 86°-15'E) Fifty-one and sixty-five hundredths (51.65) feet, thence North eighty-six degrees fifty-eight minutes and thirty seconds East (N 86°-58'-30"E) Forty-nine and thirty-eight hundredths (49.38) feet, thence North eighty-two degrees and forty-eight minutes East (N 82°-48'E) One hundred fifty-two and sixty-two hundredths (152.62) feet to an iron pin on the West line of Third Street being the northeast corner of the Parcel herein described and thence, along the west line of said Street South one degree and two minutes East (S 1°-02'E) two hundred thirty-two and thirty six hundredths (232.36) feet to the point of beginning containing an area of One and fifty-eight (1.58) hundredths of an acre.

North Parcel

Beginning at the point in the center line of Neuman's Creek at the intersection with the west line of Third Street said point being located North one degree and two minutes West (N 1°-02'W) One hundred forty and sixty-four hundredths (140.64) feet from the iron pin at the northeast corner of the above described South Parcel, thence, from this point of beginning along the centerline of said Creek the following two (2) courses, first, North eighty-six degrees and fifty minutes West (N 86°-50'W) One hundred fifty-three and one tenth (153.1) feet and thence South eighty-six degrees and fifty-five minutes West (S 86°-55'W) One hundred thirty-one (131) feet, thence North six degrees and six minutes East (N 6°-06'E) One hundred twenty-seven and seven tenths (127.7) feet to an iron pin, thence South eighty-nine degrees and forty-seven minutes East (S 89°-47'E) Two hundred fifty-eight and three

tenths (258.3) feet to an iron pin on the said west line of Third Street, thence along the west line of Third Street the following two (2) courses, first South seven degrees and twelve minutes East (S 7°-12'E) Eighty-eight and four tenths (88.4) feet to an iron pin and thence South one degree and two minutes East (S 1°-02'E) Thirty-nine and seven tenths (39.7) feet to the point of beginning containing an area of seventy-seven hundredths (0.77) of an acre.

The land hereby described as the South and North Parcels have a combined area of Two and thirty-five hundredths (2.35) Acres.

The land herein conveyed is a part of the same land conveyed to Melbourne W. Phipps and Oscar J. Green by Deed from the Paul Sand and Gravel Company dated March 1948 and recorded in Volume 1740, Page 393 of the Deed Records of Stark County, Ohio.

DEED DESCRIPTION

Melbourne W. Phipps & Oscar J. Green to Ohio Water Service Company

The following described premises situated in the City of Massillon,
County of Stark, State of Ohio and known as:

Being ~~all~~ of Out Lot Eighty(80) in said City of Massillon as
~~conveyed to Melbourne W. Phipps and Oscar J. Green with exceptions as~~
~~recorded in Volume 1740, Page 393 leaving the South and North Parcels~~
as described as follows:

South Parcel

Beginning at an iron pin located at the southeast corner of
said Lot being and the point of intersection of the West line of Third
Street with the south line of Section Six (6), thence along the south
line of said Lot North eighty-nine degrees and forty-seven minutes
West ($N89^{\circ}-47'W$) Three hundred thirty and seven tenths (330.7) feet
to an iron pin, thence North six degrees and six minutes East ($N6^{\circ}-06'E$)
Two hundred twenty-five and eight tenths (225.8) feet, ~~to an iron pin,~~
thence South seventy-six degrees thirty-nine minutes and thirty seconds
East ($S76^{\circ}-39'-30"E$) Fifty-one and fifty-four hundredths (51.54) feet,
thence South eighty-six degrees and fifteen minutes East ($S86^{\circ}-15'E$)
Fifty-one and sixty-five hundredths (51.65) feet, thence North eighty-
six degrees fifty-eight minutes and thirty seconds East ($N86^{\circ}-58'-30"E$)
Forty-nine and thirty-eight hundredths (49.38) feet, thence North
eighty-two degrees and forty-eight minutes East ($N82^{\circ}-48'E$) One hundred
fifty-two and sixty-two hundredths (152.62) feet to an iron pin on the
west line of Third Street being the northeast corner of the Parcel
herein described and thence, along the west line of said Street South
one degree and two minutes East ($S1^{\circ}-02'E$) two hundred thirty-two and
thirty six hundredths (232.36) feet to the point of beginning contain-
ing an area of One and fifty-eight (1.58) hundredths of an acre.

North Parcel

Beginning at the point in the center line of Neuman's Creek at the intersection with the west line of Third Street said point being located North one degree and two minutes West ($N1^{\circ}-02'W$) One hundred forty and sixty-four hundredths (140.64) feet from the iron pin at the northeast corner of the above described South Parcel, thence, from this point of beginning along the centerline of said Creek the following two (2) courses, first, North eighty-six degrees and fifty minutes West ($N86^{\circ}-50'W$) One hundred fifty-three and one tenth (153.1) feet and thence South eighty-six degrees and fifty-five minutes West ($S86^{\circ}-55'W$) one hundred thirty-one (131) feet, thence North six degrees and six minutes East ($N6^{\circ}-06'E$) One hundred twenty-seven and seven tenths (127.7) feet to an iron pin, *← Leave out from here* thence North eighty-nine degrees and forty-seven minutes West ($N89^{\circ}-47'W$) one hundred thirty (130) feet to an iron pin on the east right-of-way line of the Pennsylvania Railroad Company, thence along said east right-of-way line North six degrees and six minutes East ($N6^{\circ}-06'E$) One thousand two hundred twenty and four tenths (1220.4) feet to an iron pin on the South line Paul Drive, thence along said south line of said Drive North eighty degrees and sixteen minutes East ($N80^{\circ}-16'E$) One hundred three and seven tenths (103.7) feet to an iron pin on the west line ^{of} Third Street and thence along the west line of said Street the following two (2) courses, first, South seven degrees and twelve minutes East ($S7^{\circ}-12'E$) One thousand three hundred thirty-two and three tenths (1332.3) feet to an iron pin and thence South one degree and two minutes East ($S1^{\circ}-02'E$) Thirty-nine and two tenths (39.2) feet to the point of beginning containing an area of Nine and forty-five (9.45) acres.

The land hereby described as the South and North Parcels have a combined area of Eleven and three hundredths (11.03) acres more or less and are a part of the land conveyed to Melbourne W. Phipps and Oscar J. Green by Deed from The Paul Sand and Gravel Company dated March 1948 and recorded in Volume 1740, Page 393 of the Deed Records of Stark County, Ohio.

1.58
0.77

2.35

R.D.#4
Massillon, Ohio
August 18, 1950

Melbourne W. Phipps,
7700 Harvard Ave.,
Cleveland 5, Ohio

Dear Sir:

Your parcels of land in Out Lot No. 80 in
Massillon have been surveyed and iron pins set.

Please find the description and five drawings
enclosed.

For services completed	\$133.00
check received	<u>75.00</u>
Balance	\$ 58.00

THE CHAS. E. PHIPPS CO.

CRUSHED STONE - SLAG - SAND - CINDERS
CEMENT - LIME - EXPANSION JOINT

7700 HARVARD AVENUE
CLEVELAND 5, OHIO

June 21, 1950

Mr. M. J. Ater
R. D. #4
Massillon, Ohio

Dear Sir:

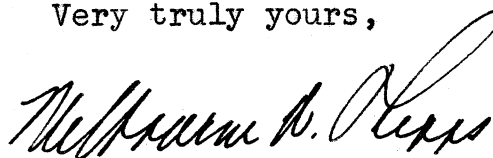
In reference to your letter of May 26th
regarding our Outlot #80 in Massillon:

We are agreeable to your arrangements
in the survey and would appreciate your pro-
ceeding as soon as possible.

We would like to have pins set on the
boundaries and the property maps.

Enclosed is a check for \$75.00 as
partial payment.

Very truly yours,



Melbourne W. Phipps
7700 Harvard Ave.
Cleveland 5, Ohio

MWP:HRM
1 Enc.

THE CHAS. E. PHIPPS CO.

CRUSHED STONE-PORTLAND CEMENT-SAND
SLAG-CINDERS-GRAVEL
7700 HARVARD AVENUE
CLEVELAND, O.

May 23, 1950

Mr. M.J.Ater
Oakdale Dr.
Massillon, Ohio.

Dear Sir:

The writer Melbourne W. Phipps and Oscar J. Green own a piece of property known as OutLot 80 located at Lake St. and 3rd St. N.W. running So. on 3rd. St. so. of Neuman Creek, Massillon.

We are interested in having a survey made of this property and having pins set out so we will know our boundaries.

Mr. A.J.Diana referred me to you and I was wondering if you are in a position to do this and approximately what the costs would be.

Would you advise at you earliest convenience ?

Return envelope is inclosed.

Very truly yours,



Melbourne W. Phipps
7700 Harvard Ave.
Cleveland 5, O.

Melbourne

Phippo & Green to Ohio Water Service Company 5-25-53

N 52° 53' E	127.75	N	S	E	W	MD	N	S
N 6° 06' E	127.08			13.69		6.55	832	
99473 10250								

East	258.33	258.33	142.26
S 89° 47' E			

S 70° 25' E	88.41	87.67	11.41	277.12	24,295
99163 12908					

S 1° 15' E	39.76	39.75	0.87	283.26	11,260
S 1° 02' E					
99976 102181					

N 87° 03' W	153.15	152.95	207.22	1633
N 86° 50' W				
.05146 99867				

S 86° 42' W	130.97	7.54	130.75	65.37	493
S 86° 25' W					
.05756 99834					

0° 13' D

Jack Roeshc 6483

North Parcel / 0.77 Acre

23465 36,048

33583 B'

7-9-50 O.L. 80 Massillon Calc.

P.1.

	N	S	E	W
S 83° E 35.5'		4.33'	35.24'	1411.7 0184.8
.12187, 99255				26.9 9.9 36.8

S 14°-20' E 490.3'	475.04	121.38	S 14°-20' E - 6°-39'
.96887, 24766			S 7°-41' E + 0°-24'
S 7°-41' E 354.0'	350.82	47.33	S 8°-05' E - 7°-00'
.99102, 13370			

S 8°-05' E 438.6'	434.24	61.67	S 1°-05' E
.99006, 14061			621.3

S 1°-05' E 975.5'	975.32	18.45	232.4
.99982, 01891			10

N 89°-47' W 522.2	1.97	522.19	863.7
.00378, 99999			111.8

N 6°-01' E 2248.1	2235.71	235.65	975.5
.99449, 10482			490.3

2237.68	2239.75	519.72	522.19	S 1°-05' E
	2237.68	519.72		178°-55'
				+ 91°-24'
	2.07	2.47	270-19	



3°-57'	
1-24	
5°-21'	.9
5°-21'	521.3
	522.2

515	49.8
615	9.9
1130	59.7
3.3' Error	461.6
	521.3
	49.8
	461.6
	511.4
	30
	541.4
	.9
	542.3

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 297018 \\
 396024 \\
 \hline
 434,240316 \checkmark
 \end{array}$$

$$\begin{array}{r}
 14061 \\
 438.6 \\
 \hline
 84366 \\
 112488 \\
 42183 \\
 56244 \\
 \hline
 61,671,546 \checkmark
 \end{array}$$

$$\begin{array}{r}
 99982 \\
 975.5 \\
 \hline
 499910 \\
 499910 \\
 \hline
 699874 \\
 899838 \\
 \hline
 975,324410 \checkmark
 \end{array}$$

$$\begin{array}{r}
 .01891 \\
 975.5 \\
 \hline
 9455 \\
 9455 \\
 \hline
 13237 \\
 17019 \\
 \hline
 18,446,705 \checkmark
 \end{array}$$

$$\begin{array}{r}
 522.2 \\
 .00378 \\
 \hline
 41776 \\
 36554 \\
 15666 \\
 \hline
 1,973,916
 \end{array}$$

$$\begin{array}{r}
 522.2 \\
 .00001 \\
 \hline
 .005222
 \end{array}$$

$$\begin{array}{r}
 2248,1 \\
 .10482 \\
 \hline
 44962 \\
 179848 \\
 89924 \\
 \hline
 22481 \\
 23,564,5842 \checkmark
 \end{array}$$

$$\begin{array}{r}
 .99449 \\
 2248.1 \\
 \hline
 99449 \\
 795592 \\
 397796 \\
 198898 \\
 198898 \\
 \hline
 2235,712,969 \checkmark
 \end{array}$$

$$\begin{array}{r}
 99999 \\
 522.2 \\
 \hline
 199998 \\
 199998 \\
 199998 \\
 \hline
 499995 \\
 522,194,778
 \end{array}$$

$$2' / 520' = 0.00385 = 13'$$

$$\begin{array}{r} 520 \overline{) 2.000} \\ \underline{1560} \\ 4400 \\ \underline{4160} \\ 2400 \end{array}$$

$$\begin{array}{r} 121.4 \\ 47.3 \\ 61.7 \\ 18.4 \\ \hline 235.7 \\ 484.5 \end{array} \begin{array}{l} 3 \\ 1 \\ 2 \\ 1 \\ 6 \\ 13 \end{array}$$

$$\begin{array}{r} 13 \quad 37.2 \\ \hline 484.5 \quad \times \end{array}$$

$$\begin{array}{r} 39 \\ 94 \\ 91 \\ 35 \\ 26 \\ 91 \\ \hline 474.933998 \end{array}$$

$$\begin{array}{r} 96866 \\ 490.3 \\ \hline 290598 \\ 871794 \\ \hline 387464 \\ 474.933998 \end{array}$$

$$\begin{array}{r} 24841 \\ 490.3 \\ \hline 74523 \\ 223569 \\ 99364 \\ \hline 121.795423 \end{array}$$

$$\begin{array}{r} 99098 \\ 359 \\ \hline 396392 \\ 495490 \\ 4 \\ \hline \end{array}$$

$$s = \frac{1}{2}(a+b+c)$$

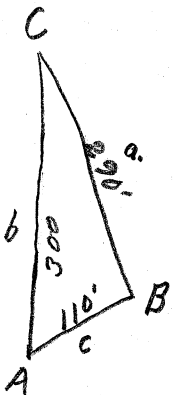
$$\sin A = \frac{a}{2\sqrt{s(s-a)(s-b)(s-c)}}$$

$$\begin{array}{r} 186-01 \\ 90-13' \\ \hline 95-48 \end{array}$$

$$\begin{array}{r} 522.2 \\ .00175 \\ \hline 26110 \\ 36554 \\ 5222 \\ \hline .911850 \end{array}$$

$$\begin{array}{l} b \ 300 \\ c \ 110 \\ a \ 290 \\ \hline 700 \div 2 = 350 = s' \end{array}$$

$$= \frac{2\sqrt{350(60)(50)(240)}}{87000}$$



$$\begin{array}{r} 350 \\ -290 \\ \hline 60 \end{array} \quad \begin{array}{r} 350 \\ -300 \\ \hline 50 \end{array} \quad \begin{array}{r} 350 \\ -110 \\ \hline 240 \end{array} \quad \begin{array}{r} 290 \\ -300 \\ \hline -10 \end{array} \quad \begin{array}{r} 350 \\ -60 \\ \hline 290 \end{array} \quad \begin{array}{r} 21000 \\ -60 \\ \hline 20940 \end{array}$$

$$\begin{array}{r} 1260000 \\ 50400000 \\ 2520000 \\ \hline 30240000 \end{array}$$

$$\begin{array}{r} 3.02400000 \\ 117389.36 \\ \hline \end{array}$$

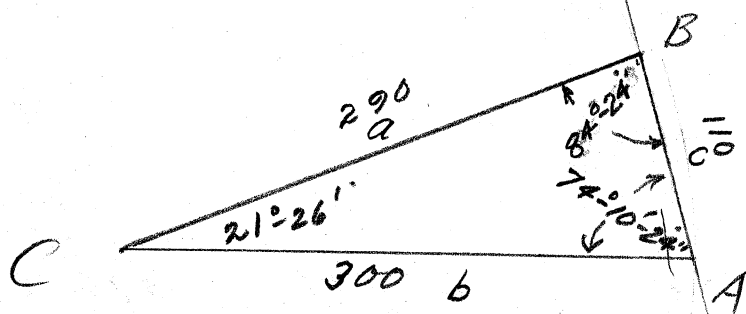
$$\begin{array}{r} 1738936 \\ 2 \\ \hline 34778.72 \end{array}$$

$$\begin{array}{r} 87000 \\ 34778.72 \\ \hline 261000 \\ 867872 \\ 783000 \\ 848720 \\ 783000 \\ 657200 \\ 609000 \\ 482000 \\ 435000 \\ \hline 470000 \end{array}$$

$$.39976 = \sin \text{ of } 66-26'$$

$$\begin{array}{r} 343 \\ 3468 \\ 34769 \\ 347783 \\ \hline 347786 \end{array}$$

$$\begin{aligned} a &= 290 \\ b &= 300 \\ c &= 110 \end{aligned}$$



$$\begin{aligned} &350 \\ &- 300 \\ &\hline &50 \\ &350 \\ &- 110 \\ &\hline &240 \end{aligned}$$

$$s = 350 \quad \tan \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{s(s-a)}}$$

$$\begin{aligned} &240 \\ &50 \\ &\hline 12000 \end{aligned} \quad \begin{aligned} &350 \\ &60 \\ &\hline 21000 \end{aligned}$$

$$\begin{aligned} &\sqrt{(50)(240)} \\ &350(60) \\ &\hline 12000 \\ &21000 \end{aligned}$$

$$\begin{aligned} &9 \\ &45 = \frac{2}{50.2} \\ &45 \overline{) 540} \\ &\underline{45} \\ &90 \end{aligned}$$

$$\begin{aligned} &.5714285 \\ &21 \overline{) 120000000} \\ &\underline{105} \end{aligned}$$

$$\begin{aligned} &150 \\ &147 \\ &\hline &30 \\ &21 \\ &\hline &90 \\ &84 \\ &\hline &60 \\ &42 \\ &\hline &180 \\ &168 \\ &\hline &120 \end{aligned}$$

$$\begin{aligned} &.57142857 \quad .755929 = \tan 37^\circ - 5' - 12'' \\ &7 \quad 49 \quad 1429 \end{aligned}$$

$$\begin{aligned} &.96206 \\ &\sin 74^\circ - 10' \\ &\hline 290' \quad 300 \end{aligned}$$

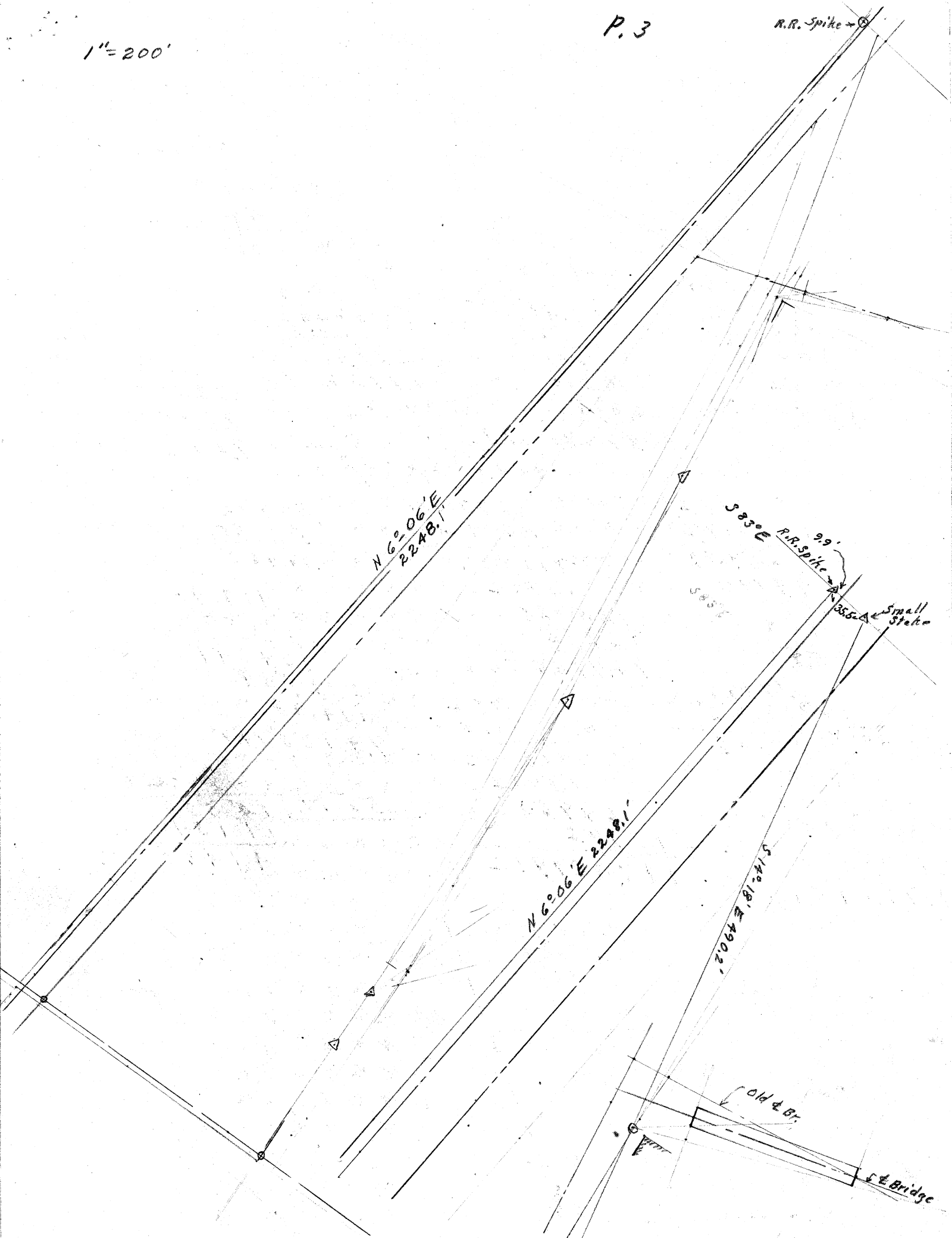
$$\begin{aligned} &.96206 \\ &300 \\ &\hline 288.61800 \end{aligned} \quad \begin{aligned} &.99523 \\ &29 \overline{) 28861800} \\ &\underline{261} \\ &276 \\ &\underline{261} \\ &151 \\ &145 \\ &\hline &68 \\ &58 \\ &\hline &100 \\ &87 \\ &\hline &130 \end{aligned}$$

$$\begin{aligned} &84^\circ - 24' \\ &74^\circ - 10' \\ &\hline 158^\circ - 34' \\ &180^\circ \\ &158^\circ - 34' \\ &\hline 21^\circ - 26' \end{aligned}$$

1" = 200'

P. 3

R.R. Spike +



521.3 69	99473	10.03	10250 1003	521.3 .69
521.99	9.98000 99473	327000 298419	30750 10250 10.280750	521.91 1.03
	6.28			520.88

48.2 9.9	66	21.2
59.1	3768	66
	3768	1272
	404.48	1272
		1399.2

589°-47'E
9°-44
580°-03'E

99984
965
499920
599904
899856
964.84560

.01803
965
9015
10818
16227
1739895
399936
404.4082832

99984
404.48
729872
399936
323584
40448
7.2927744

1399.2
.9976
83952
97944
125928
125928
1395.94192
99446
1399.2

1399.2
.06918
111936
13992
125928
83952
96.795656

.00372
30
.11160
414.48
.01803
124344
331584
414.48
7.4730744

198892
895014
895014
298338
99446
1391.448432

1399.2
10511
13992
13992
69960
13992
147.069912

.27
55.77
15300
11154
41460

.85717
16.4
342868
514302
85717
14.057588

51504
16.4
206016
309024
51504
8.446656

S 83° E D N S E W
35.5 4.33 35.24

5 14° 18' E 490.2
96902
24700

475.01" 121.08"
186.32

$57^{\circ} 40' E$ 354.0
 99106
 13341

S 8°-03' E 438.5
99015
14004

434.18
61.41
264.97

S 1° 02' E 975.0 974.84 17.58
 .99984 28 2.57
 .01803

N 89° 47' W 522.2 1.97 522.19

$N 6^{\circ} 06' E$ 2235.38 238.88
 $N 6^{\circ} 01' E$ 2248.1 2235.71 235.65
 99434 10626 2237.68 2239.20 518.22 522.19
 2237.35 1.45
 1.85

186°-06'	2239.20	522.19	238.88
90°-13	2237.35	521.42	
<u>95°-53'</u>	<u>1.85</u>	<u>0.77</u>	

$$\begin{array}{r} 502.63 \\ + 1226.4 \\ \hline 1729.03 \end{array}$$

Bearings Used on
this shaft

$$\begin{array}{r}
 96887 \\
 490.2 \\
 \hline
 193774 \\
 871983 \\
 387548 \\
 \hline
 474940.074
 \end{array}$$

$$\begin{array}{r}
 .13341 \\
 354 \\
 \hline
 53364 \\
 66705 \\
 40043 \\
 \hline
 47.24714
 \end{array}$$

$$\begin{array}{r}
 490.2 \\
 .247 \\
 \hline
 34314 \\
 19608 \\
 9804 \\
 \hline
 121.0794
 \end{array}$$

$$\begin{array}{r}
 .99106 \\
 354 \\
 \hline
 396424 \\
 495530 \\
 297318 \\
 \hline
 35083524
 \end{array}$$

$$\begin{array}{r}
 99015 \\
 438.6 \\
 \hline
 594090 \\
 792120 \\
 297045 \\
 396060 \\
 \hline
 434.279790
 \end{array}$$

$$\begin{array}{r}
 14004 \\
 438.6 \\
 \hline
 84024 \\
 112032 \\
 42012 \\
 56016 \\
 \hline
 61.421544
 \end{array}$$

$$\begin{array}{r}
 99984 \\
 975 \\
 \hline
 499920 \\
 699888 \\
 899856 \\
 \hline
 974.84400
 \end{array}$$

$$\begin{array}{r}
 .01803 \\
 975 \\
 \hline
 9015 \\
 12621 \\
 16227 \\
 \hline
 17.57925
 \end{array}$$

$$\begin{array}{r}
 99434 \\
 2248.1 \\
 \hline
 99434 \\
 795472 \\
 397736 \\
 198868 \\
 198868 \\
 \hline
 2235.375754
 \end{array}$$

$$\begin{array}{r}
 2248.1 \\
 106.26 \\
 \hline
 134886 \\
 44962 \\
 134886 \\
 22481 \\
 \hline
 238.883106
 \end{array}$$

$$\begin{array}{r}
 152.62 \\
 12908 \\
 \hline
 122096 \\
 140358 \\
 30524 \\
 15262 \\
 \hline
 19.7301896
 \end{array}$$

$$\begin{array}{r}
 99163 \\
 152.62 \\
 \hline
 198326 \\
 594978 \\
 198326 \\
 495815 \\
 99163 \\
 \hline
 151.3425686
 \end{array}$$

$$\begin{array}{r}
 .05655 \\
 49.38 \\
 \hline
 45240 \\
 16965 \\
 50895 \\
 22620 \\
 \hline
 27924.390
 \end{array}$$

$$\begin{array}{r}
 .99840 \\
 49.38 \\
 \hline
 798720 \\
 299520 \\
 898560 \\
 399360 \\
 \hline
 49.3009.920
 \end{array}$$

$$\begin{array}{r}
 .06918 \\
 51.65 \\
 \hline
 34590 \\
 41508 \\
 6918 \\
 34590 \\
 \hline
 3.5731470
 \end{array}$$

$$\begin{array}{r}
 .99760 \\
 51.65 \\
 \hline
 498800 \\
 598560 \\
 99760 \\
 498800 \\
 \hline
 51.5260400
 \end{array}$$

512.63
1226.4
300.0
2039.03

N 6°-06'E 2248.1 2235.38 238.88

S 83°E 59.9 7.30
.12187
.99255

S 6°-06'W 2240.99 2228.31 178.98
.99434
.10626

N 89°-47'W 59.9 0.23 59.9
.00378
.99999
2235.61
7.30
2228.31 238.88 59.9
178.98

12187
59.9
109683
109683
60935
7300.013
.00378
59.9
3402
3402
1890
226422
2240.99
2148.50
92.49



21°-26'
N 6°-06'E
N 15°-20'W

sin 21°-26' x 40

36542 400000
36542
345800
328878
169220
146168
230520

109.47
988400
894906
934940
874

24.40
21.49

2039.03
109.47
2148.50

N 6°-06'E
74°-10
N 80°-16 E

Dist along E. R/W line
P.R.R. extra using
Court house figures
penciled on map

21.49
.93084 200000
186168
138320
93084
452360
372336
800240

2.91 Dist. of E of 3rd St. at
N. End of Orig. Prop.
E. of Stake

1349.73 ^{.10384}
140.150
134973
517700
404919
1127810
1079784
480260
404919
752410

99464 1349.73
99464
355090
298392
566980
497320
696600
696248
352000

1357.003 27955
51.5
139775
27955
139775
14.396825
76661
51.5
383305
76661

150.8 ^{.09547} 14.396825
13572
8248
7540
7082
6032
10505
10548

64212
51.5
321060
64212
321060 1792.52
33069180 414.48
31289 1378.04
9.85

383305
39.480415 159.15
46.95
112.20
08142
112.2000
1102432

94979
9.85
474895
759832
854811
9.3554315

156445
250302
281601
3.0819665

99999
552.2
199998
199998
499995

195680
137804
578760
551216
275440
275608
99984
424.48

99671 1378.04
99671
381330
299013
823170
797368
240.45

1382.59 499995
552.194478
552.2
00378
44176
38634
16566
2.087316

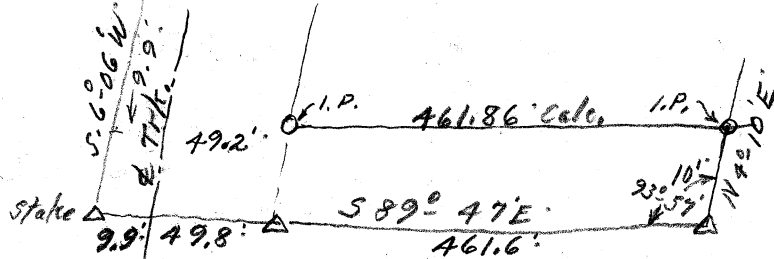
799872
399936
399936
199968
399936
424.4120832

258020
199342
586780
498355
884250

1373.27
99383
411981
1098676
411981

1373.27
11089
1235943
1098616
137327
137327
152.28191.03 424.48
01803
127344
339584
42448
7.65337.44

1235943
1235943
1364.7969.241



$$\begin{array}{r} 270^\circ - 13'E \\ 93^\circ - 57' \\ \hline 364^\circ - 10' \end{array}$$

S 5° 53' W	49.2	N	S	E	W
S 6° 06' W	10.03		9.98		1.03
99473	10250				

East

$$S 89^\circ - 47'E \quad 521.3$$

$$521.3$$

$$520.96$$

$$- 59.10$$

$$461.86$$

$$- 130.00$$

$$331.86$$

$$N 3^\circ - 57'E$$

$$N 4^\circ - 10'E$$

$$99762$$

$$.06889$$

$$10.0$$

$$9.98$$

$$.69$$

West

$$N 89^\circ - 47'W \quad 520.96$$

$$520.96$$

closure to check 3rd st. N.W Alignment

$$\begin{array}{r} * S 80^\circ - 03'E \quad 461.86 \\ S 89^\circ - 47'E \quad 491.86 \end{array}$$

N

S

E

W

$$* N 10^\circ - 46'E$$

$$N 1^\circ - 02'E \quad 414.48$$

$$\begin{array}{r} 5^\circ - 0 \\ 1^\circ - 02 \end{array}$$

$$* N 5^\circ - 46'E \quad N 3^\circ - 58'W$$

$$\begin{array}{r} N 6^\circ - 06'E \\ 74^\circ - 10 \end{array}$$

$$9^\circ - 44' \quad S 80^\circ - 16'W$$

* East

$$S 6^\circ - 06'W$$

$$13$$

$$5^\circ - 53$$

$$* S 15^\circ - 50'W$$

$$S 6^\circ - 06'W$$

$$\begin{array}{r} 9^\circ - 44' \\ - 3^\circ - 58' \\ \hline 5^\circ - 46' \end{array}$$

Oriented 0-13' 6

552.19
240.45
311.74

2 311.74
552.19
248.10
304.09

240.45
7.65
248.10

1373.27
110.89
12359.43
1098616
1373.27
1373.27
1522819003

240.45
7.65
152.28
400.38

1357 .022108
3000
2714
2860
2714
1460
1357
10300

99248
1370
6947360
297744
99248
1359.69760

12245
1370
857150
36735
12245
167.75650

453.36 136.3310
136008
322000
317352
46480

473.401
95766 45336.0
383064
702960
670362
325980
287298
386820
383064
375600

.91543
473.4
366172
274629
640801
366172
433.364562

92499 4468.51
433.364562
369996
633685
554994
786916
739992
469242
462495
67470

473.4
102443
14202
18936
18936
9468
11.565162

12.54
92499 11.565162
92499
231526
184998
465282
462495
37870
129.64
9644

12187
22.96
73122
109683
24374
24374
2.7981352

.99255
22.96
595530
893295
198510
198510
22.7889480

51856
51856
77784
116676
125.024816
24.4
22.96
47.36

1339.05 .10743
143.850
1339.05
994500
937335
571650
535620
360300

1347.
99428 1339.05
99428
344770
298284
464860
397712
671480

Closure to Check 3rd St. N.W. Alignment

	N	S	E	W	
S 7°-40'E 354.0		350.84	47.23		
S 8°-03'E 438.5		434.18	61.41		
S 1°-02'E 965.0 .99984 .01803		964.85	17.40		
S 89°-47'E 30.0 .00378 .99999		.11	30.00		156.07 154.54 1.53
N 1°-02'W 414.48 414.41 .99984 .01803				7.47	1805.85 1750.08 55.77
N 6°-02'W 1399.2 1391.45 .10511				147.07	
	W	55.77		1.53	

Calc. of 3rd St. N. of Bridge to I.P. N. of N.W. Cor. Saloom

	N	S	E	W	
S 7°-40'E 354.0		350.84	47.23		
S 8°-03'E 438.5		434.18	61.41		
S 1°-02'E 965.0		964.85	17.40		
S 89°-47'E 30.0		.11	30.00		156.07 - 15.92 140.15
N 1°-02'W 414.48 414.41				7.47	
S 31°-00' W 16.4 .85717 .51504		14.06		8.45	1764.13 414.40 1349.73
	414.4	1764.58	156.04	15.92	
N 5°-56'W 1357.46 1350.18 .99464 .10337				140.12	
				.10378 = Tang.	

.22705
 51.54

 90820
 113525
 22705
 113525

 11.7021570

.97387
 51.54

 389548
 486935
 97387
 486935

 50.1932598

.99976
 232.36

 599756
 299928
 199952
 299928
 199952

 232.3042236

232.36
 .02181

 23236
 185878
 23236
 46472

 5.0677616

99473

 225.020
 198946
 260740
 198946

 617940
 596838
 211020
 198946

 120740

226.21
 10250

 1131050
 45242

 22621
 23.1865250

.02211
 1357 | 300000

 2714
 2860
 2714

 1460
 1352

 1030

1382.59
 97203

 414777
 276518
 967813
 1244331

 1343.9189577

1373.27
 97863 | 1343.9189577

 97863
 365288
 293589

 716999
 685041
 319585
 293589

 259967
 195726

 642417

1370.004
 98096 | 1343.9189577

 98096
 362958
 294288

 686709
 686672

184.32
 34.28

 150.04

150.04



1375770
 .26443
 129.64

 105772
 158658
 237987
 52886
 26443

 342807052

474.94
 2.80

 477.74
 125.02
 378.54
 503.56
 477.74

 25.82
 .17209
 150.04 | 25.82000

 15004
 10.8160
 105028

 31.320
 30004

 131600
 135036

80°-14

U.S. Army 0.838 A

P. 8

	N	S	E	W
S 82°-48' W. S. 83°-29'-30" W. .12908 99163	152.62	19.70		151.34

S 86°-58'-30" W. S. 87°-40' W. .05655 99840	49.38	2.79		49.30
---	-------	------	--	-------

N 86°-15' W. N 85°-33'-30" W. .06163 99810	51.65	3.18		51.55
--	-------	------	--	-------

N 76°-52'-30" W. N 75°-58' W. .22707 97387	51.54	11.70		50.19
--	-------	-------	--	-------

S 6°-06' W. S 6°-47'-30" W. .99473 10250	225.88	224.69		23.19
--	--------	--------	--	-------

S 89°-47' E. S 89°-05'-30" E.	330.64		330.64	
----------------------------------	--------	--	--------	--

N 1°-02' W. N 0°-20'-30" W. 99976 .02181	232.36	232.30		5.07
--	--------	--------	--	------

247.51
22.55
225.02

N 0°-20'-30" W. N 1°-02' W. 0°-41'-30"	S 83°-29'-30" W. - 0-41-30 S 82°-48 W.	S 87°-40' W. - 0-41-30 S 86°-58-30 W.
--	--	---

N 85°-33'-30" W. + 0-41-30 N 86-15-00 W.	N 75°-58' W. + 0-41-30 N 76-39-30" W.	S 89°-47' E. - 0-41-30" S 89°-05' 30" E.
--	---	--

S 6°-06' W. + 0-41-30 6°-47-30". N 86°-15' W. + 0°-13 N 86°-28 W.	N 1°-02' W. 13 1°-15' W. S 86°-58'-30" W. 0-13 S 86°-45-30" W.	S 6°-06' W. 0°-13 5°-53 S 82°-48' W. 0-13 S 82-35 W.	N 76°-39'-30" W. 0°-13 N 76-32-30" W.
--	---	---	---

78765
16.4
 315060
 472520
 78765
12.9174.60

.99889 49.9000
39.9556
 994440
 899001
954390
 899001
583890
 499445
345

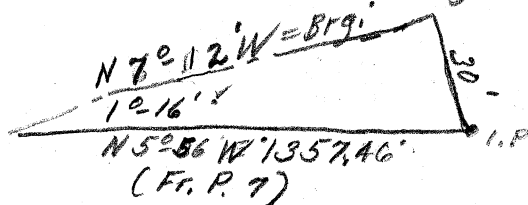
49.96
041.11
 4996
 4996
 34972
14984
 23536156

J. 3 Lucky Chief
 R. 4
 Net. 2
 D. 6

- 1 Golden Chief 9-5-1 Net,
- 2 Indicator 3-1 Dad M
3. Buddy Direct 2-1 Jerry
4. Hancock 9-1
- 5 Satisfy A-1 Ruth 3 4.10
6. Sakanus 9-1 Jerry 2nd +
7. Duke (Hancock) 13-1 Net 2
8. Adam Cash 6-1 Dad 2nd 1 14.5 6.70

15126 98849 99331 11552
49.96 49.96 354 354
 90756 513054 397324 46208
 136134 889641 496655 57760
 136134 889641 297993 34656
 60504 395396 35163174 4089408
7.5569496 49.3849564

99251 12216 10453 143.83
438.5 438.5 10453
 496255 51080 39300
 794008 97728 31359
 297753 36648 79410
 337004 48864 73171
435.215635 53.557160 62390
 52265
 101250
 94077
71730



$$30 \div 1357.46 = \sin 1^{\circ} 16' + 5^{\circ} 56'$$

Calc. of Lake St. Bridge Brg

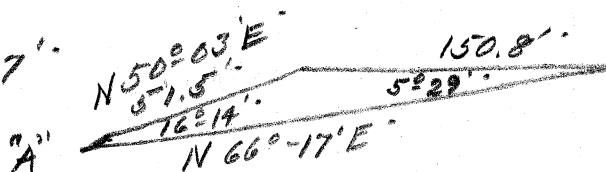
$$N 7^{\circ} 40' W (354^{\circ}) = Azim 352^{\circ} 20' \\ 57^{\circ} 43'$$

$$\begin{array}{r} 57^{\circ} 43' \\ 410^{\circ} 03' - 360^{\circ} = 50^{\circ} 03' \\ \hline 16^{\circ} 14' \end{array}$$

Azi' 352°-20'.

73°-57'

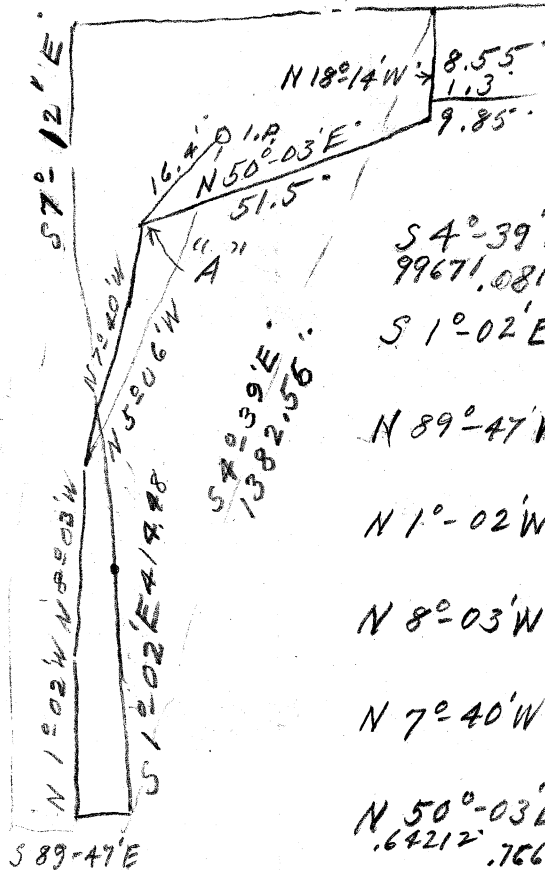
$$426^{\circ} - 17' - 360^{\circ} = 66^{\circ} - 17'$$



150.8'	51.5'
Sin 16° 14'	.09547
.27955	5° 29'

N 66°-17'E
+ 5°-29'

N 71° 46' E = Brq. Lake St. Bridge



	N	S	E	W
9.85				
			Ten. = .08140	
S 4°-39'E 1382.5		1378.00	112.17	
99671.08107				
S 1°-02'E 414.48		414.41	7.47	
N 89°-47'W 30.00	0.11			30.00
N 1°-02'W 965.00	964.85			17.90
N 8°-03'W 438.5	434.18			61.41
N 7°-40'W 354.0	350.84			47.23
N 50°-03'E 51.5	33.07		39.48	
.64212 .75661				
N 18°-14'W 9.85	9.36			3.08
.94979 .31289				

End of P11

$$\begin{array}{r}
 98551 \overline{) 150.040} \\
 \underline{98551} \\
 514890 \\
 \underline{492755} \\
 221350 \\
 \underline{197102} \\
 242480 \\
 \underline{197102} \\
 453780
 \end{array}$$

$$\begin{array}{r}
 N 62.06'E \\
 74^{\circ}-10 \\
 \hline
 N 80^{\circ}-16'E
 \end{array}$$

$$\begin{array}{r}
 .08990 = 26 = 8 \\
 148.13 = 4 \\
 \hline
 71.920 \quad 32 \text{ (5)}
 \end{array}$$

$$\begin{array}{r}
 1575.97 \\
 \underline{99452} \\
 275194
 \end{array}$$

$$1331.49$$

$$\begin{array}{r}
 143.830 \\
 \underline{133149} \\
 1068100 \\
 \underline{1065192} \\
 290800
 \end{array}$$

$$\begin{array}{r}
 .10802 \quad 35960 \\
 8996 \\
 \hline
 13305202 \quad 14 = 5 \\
 13.31
 \end{array}$$

$$\begin{array}{r}
 1258373 \\
 \underline{1258373} \\
 13684296845
 \end{array}$$

$$99421$$

$$\begin{array}{r}
 1331.49 \\
 \underline{99421} \\
 337280 \\
 \underline{298263} \\
 390170 \\
 \underline{298263} \\
 919070 \\
 \underline{894729} \\
 242840 \\
 \underline{198842} \\
 439680
 \end{array}$$

$$\begin{array}{r}
 .00291 \\
 14.0 \\
 \hline
 116400 \\
 \underline{291} \\
 1.07400
 \end{array}$$

$$\begin{array}{r}
 .99595 = 37 = 10 = 1 \\
 72 = 9 \quad \text{⑨}
 \end{array}$$

$$\begin{array}{r}
 199190 \\
 \underline{697165} \\
 12940840 \quad 34 = 7
 \end{array}$$

$$\begin{array}{r}
 .08990 = 26 = 8 \\
 72 = 9 \\
 \hline
 17980 \quad 72 \text{ (9)} \\
 62930 \\
 \hline
 6.47280 \quad 27 \text{ (9)}
 \end{array}$$

$$\begin{array}{r}
 99.982 \quad 37 = 10 = 1 \\
 50 \quad 5 \\
 \hline
 49.99100 \quad \text{⑤} \\
 32 = 2
 \end{array}$$

$$\begin{array}{r}
 .99595 = 37 = 10 = 1 \\
 72 = 9 \\
 \hline
 199190 \\
 697165 \\
 \hline
 71.70840 = 27 = \text{⑨}
 \end{array}$$

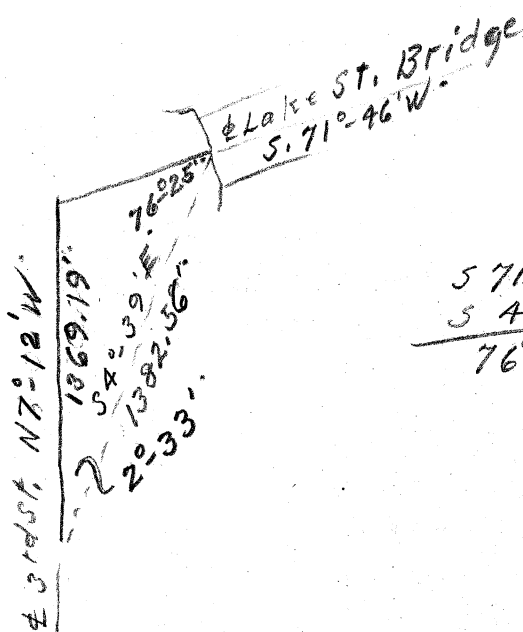
$$\begin{array}{r}
 .99595 = 1 \\
 148 = 4 \\
 \hline
 796760 \text{ (4)} \\
 398380 \\
 \underline{99595} \\
 747.4005024
 \end{array}$$

$$49.99$$

$$\begin{array}{r}
 .01891 \\
 50 \\
 \hline
 .94550
 \end{array}$$

$$\begin{array}{r}
 71.71 \\
 19.10 = 1 \\
 \hline
 5 \text{ (5)}
 \end{array}$$

$$147.40$$



$$\begin{array}{r}
 7^{\circ}-12' \\
 - 4^{\circ}-39' \\
 \hline
 2^{\circ}-33'
 \end{array}$$

$$\begin{array}{r}
 76^{\circ}-25' \\
 - 2^{\circ}-33' \\
 \hline
 78^{\circ}-58'
 \end{array}$$

P10

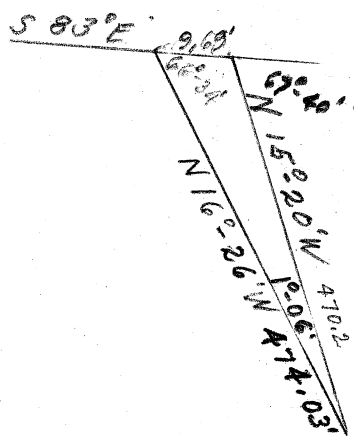
$$\begin{array}{r}
 571^{\circ}-46' W \\
 54^{\circ}-39' E \\
 \hline
 76^{\circ}-25'
 \end{array}$$

$$\begin{array}{r}
 .98152 \\
 \sin 78^{\circ}-58' \\
 \hline
 1382.56
 \end{array}$$

$$\begin{array}{r}
 .97203 \\
 \sin 76^{\circ}-25' \\
 \hline
 1369.19
 \end{array}$$

	N	S	E	W
S 6°-06' W	2248.1			
S 89°-47' E	552.2			
.0037899999				
N 1°-02' W	424.48	424.41		
.9998401803				
N 7°-12' W	1369.19	1358.39		
.9921112533				
		2237.47		
N 16°-26' W	474.03	454.67		
.9591528290				
			Tang = .29485	
				134.06

$$\begin{array}{r}
 552.19 \\
 417.20 \\
 \hline
 136.33 \\
 2237.47
 \end{array}$$



$$\begin{array}{r}
 N 16^{\circ}-26' W \\
 N 15^{\circ}-20' W \\
 \hline
 1^{\circ}-06'
 \end{array}$$

$$\begin{array}{r}
 S 15^{\circ}-20' E = 164^{\circ}-40' \\
 S 83^{\circ}-10' E = 97^{\circ}-00' \\
 \hline
 67^{\circ}-40' \\
 - 1^{\circ}-06' \\
 \hline
 66^{\circ}-34'
 \end{array}$$

$$\begin{array}{r}
 92499 \\
 \sin 67^{\circ}-40' \\
 \hline
 474.03
 \end{array}$$

$$\begin{array}{r}
 .91752 \\
 \sin 66^{\circ}-34' \\
 \hline
 470.20
 \end{array}$$

$$\begin{array}{r}
 92499 \\
 \sin 67^{\circ}-40' \\
 \hline
 474.03
 \end{array}$$

$$\begin{array}{r}
 .01891 \\
 \sin 1^{\circ}-06' \\
 \hline
 19.69
 \end{array}$$

$$\begin{array}{r}
 152.92 \\
 \hline
 8.4500 \\
 76460 \\
 \hline
 80400 \\
 76460 \\
 \hline
 39400 \\
 31584 \\
 \hline
 79160
 \end{array}$$

$$\begin{array}{r}
 99847 \overline{) 153.15} \\
 \underline{152.920} \\
 99847 \\
 \underline{530730} \\
 499235 \\
 \underline{314950} \\
 299541 \\
 \underline{154090} \\
 99847 \\
 \underline{542430}
 \end{array}$$

$$.99982 = 37 = 10 = 1$$

$$373 = 13 = 4$$

$$\begin{array}{r}
 299946 \\
 688874 \\
 \hline
 299946
 \end{array}$$

$$371.83286 = 38 = 9$$

$$\begin{array}{r}
 99982 \\
 373 \\
 \hline
 299946 \\
 699874 \\
 \hline
 299946 \\
 372.93286
 \end{array}$$

$$\begin{array}{r}
 .01891 \\
 373 \\
 \hline
 .05673 \\
 13237 \\
 \hline
 5673 \\
 7.05343
 \end{array}$$

$$\begin{array}{r}
 330.63 \\
 1003.78 \\
 \hline
 264504
 \end{array}$$

$$\begin{array}{r}
 231441 \\
 99189 \\
 \hline
 12497814
 \end{array}$$

$$\begin{array}{r}
 330.62 \\
 199.84 \\
 \hline
 130.78
 \end{array}$$

$$\begin{array}{r}
 381.38 \\
 374.34 \\
 \hline
 7.04
 \end{array}$$

$$190330.65$$

$$\begin{array}{r}
 99434 \\
 375.21 \\
 \hline
 99434 \\
 198868 \\
 497170 \\
 696038 \\
 298302 \\
 \hline
 3730863114
 \end{array}$$

$$\begin{array}{r}
 375.21 \\
 106.26 \\
 \hline
 225126 \\
 75042
 \end{array}$$

$$\begin{array}{r}
 225126 \\
 75042 \\
 \hline
 225126
 \end{array}$$

$$37521$$

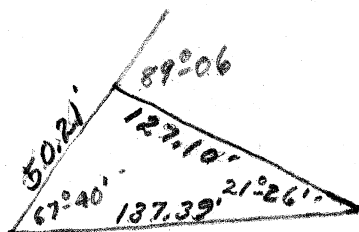
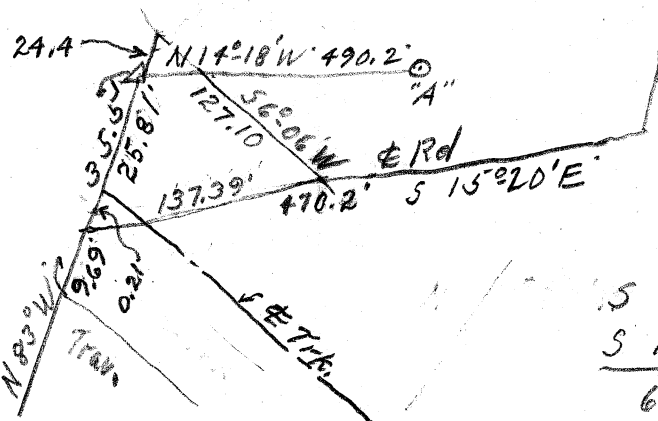
$$39.8698146$$

$$130.78 \overline{) 104000} \quad .05383 \quad N 86^{\circ} 55' E$$

$$\begin{array}{r}
 65390 \\
 501.00 \\
 39234 \\
 \hline
 108660 \\
 104624 \\
 \hline
 40360
 \end{array}$$

$$\begin{array}{r}
 99855 \overline{) 130.97} \\
 \underline{130.780} \\
 99855 \\
 \hline
 309250 \\
 299565 \\
 \hline
 968500 \\
 898695 \\
 \hline
 698050
 \end{array}$$

P11



35.50	19.90	35.50	59.90
<u>19.69</u>	<u>19.69</u>	<u>24.4</u>	<u>19.69</u>
25.81	2.21	59.90	50.21

$$\begin{array}{r} S\ 83^{\circ}-0'E \\ S\ 15^{\circ}-20'E \\ \hline 67^{\circ}-40' \end{array}$$

56°-06' W
515°-20' E

21°-26'

583°0'E
562°06'W
89°06'
21-26
67-40
178-12

$$\begin{array}{r} .36542 \\ 517 \ 21^{\circ} 26' \\ \hline 50.21' \end{array}$$

$\sin 89^{\circ}06'$
 $\frac{.99988}{137.39}$

~~99988
 47.38
 799904
 299964
 699916
 399932
 47.3743144~~

$$\begin{array}{r} 129.64 \\ 36542 \overline{) 473743144} \\ \underline{36542} \end{array}$$
$$\begin{array}{r} 108323 \\ 73084 \\ \hline 352391 \\ 328878 \\ \hline 235134 \\ 219252 \\ \hline 158824 \end{array}$$

54.7031

136542

~~200000~~

~~182710~~

~~172900~~

~~146168~~

~~267320~~

~~265794~~

~~15260~~

N 15° 20' W
54.73
56° 06' W
E. Line P.R.R. R/W
20°

$N 15^{\circ}-20' W$
 $S 6^{\circ}-06' W$

 $21^{\circ}-26'$

A hand-drawn diagram of a triangle. The top vertex has an angle of $21^{\circ} - 26'$. The bottom-left vertex has an angle of $59^{\circ} - 44' E.$. The bottom-right vertex has an angle of $56^{\circ} - 06' W. E$. The side between the top and bottom-left vertices is labeled 740.10 . The side between the top and bottom-right vertices is labeled 800.16 . The side between the bottom-left and bottom-right vertices is labeled 580.08 . There is a handwritten note 140.10 with an arrow pointing to the side of length 740.10 .

$$\begin{array}{r} 9^{\circ} 44' E \\ 6^{\circ} 06' \\ \hline 15^{\circ} 50' \end{array}$$
$$25' \div \cos 15^\circ 50' = 25.99'$$

$$\begin{array}{r}
 96206 \overline{) 25.0000} \\
 \underline{192412} \\
 575880 \\
 \underline{481030} \\
 948500 \\
 \underline{865854} \\
 826460
 \end{array}$$

$\sin 21^{\circ} 26'$	$\sin 67^{\circ} 40'$
<u>0.36542</u>	<u>0.92499</u>
50.21	127.10

54.73
300.00
25.99
380.72

$$\begin{array}{r}
 1227.69 \\
 99434 \\
 \hline
 491076 \\
 368307 \\
 491076 \\
 1104921 \\
 1104921 \\
 \hline
 1220.7412746
 \end{array}$$

$$\begin{array}{r}
 1227.69 \\
 10626 \\
 \hline
 736614 \\
 245538 \\
 736614 \\
 122769 \\
 \hline
 130.4543394
 \end{array}$$

$$\begin{array}{r}
 .16906 \\
 102.29 \\
 \hline
 152154 \\
 33812 \\
 33812 \\
 16906 \\
 \hline
 172931474
 \end{array}$$

$$\begin{array}{r}
 .98561 \\
 102.29 \\
 \hline
 887049 \\
 197122 \\
 197122 \\
 98561 \\
 \hline
 100.8180469
 \end{array}$$

$$\begin{array}{r}
 1339.24 \\
 99248 \\
 \hline
 1071392 \\
 535696 \\
 267848 \\
 1205316 \\
 1205316 \\
 \hline
 1529.1689152
 \end{array}$$

$$\begin{array}{r}
 1339.24 \\
 .12245 \\
 \hline
 6696.20 \\
 535696 \\
 267848 \\
 267848 \\
 133924 \\
 \hline
 163.9899380
 \end{array}$$

$$\begin{array}{r}
 99982 \\
 39.80 \\
 \hline
 7998560 \\
 899838 \\
 299946 \\
 \hline
 39.7428360
 \end{array}$$

$$\begin{array}{r}
 .01891 \\
 39.80 \\
 \hline
 151280 \\
 17019 \\
 5673 \\
 \hline
 1526180
 \end{array}$$

$$\begin{array}{r}
 99434 \\
 127.42 \\
 \hline
 198868 \\
 397736 \\
 696038 \\
 198868 \\
 99434 \\
 \hline
 126.6988028
 \end{array}$$

$$\begin{array}{r}
 127.42 \\
 10626 \\
 \hline
 76452 \\
 25484 \\
 76452 \\
 12742 \\
 \hline
 135376492
 \end{array}$$

$$\begin{array}{r}
 .00378 \\
 130 \\
 \hline
 11340 \\
 378 \\
 \hline
 .49140
 \end{array}$$

Location N.W. Cor. Lot 80 Continued

P12

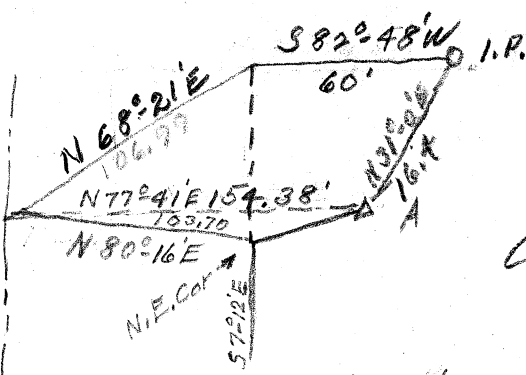
"A" to N. Line N 14°-18' W 490.2' 475.01' N S E W 121.08'

Along N. Line - E.Rd. N 83°-00' W 25.81 3.14 25.62
12187 99255

Alg E.Rd. to. R/W S 15°-20' E 137.39 132.50 36.33
.96440 26443

Alg E. R/W - R/W. S 6°-06' W 380.72 378.57 40.46
99439 10626 C.T. 21826

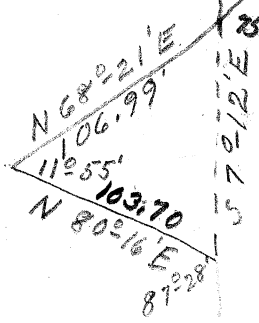
2 Min off Brg of Paul Drive N 77°-41' E 154.38 32.92 150.83
.97698 ← N.W. Cor Lot 80 from "A"



Brg of 3rd St. N 7°-02' W
⊥ = S 82°-58' W

Calc. of N.E. Cor Lot 80

	N	S	E	W
N 82°-48' E 60'	7.51		59.53	
S 31°-00' W 16.4		14.06		8.44
S 77°-41' W 154.38		32.93		150.83
N 68°-21' E 106.97	39.48		99.44	
Cot. 39702				



N 80°-16' E	N 80°-16' E	Sin 87°-28'	Sin 75°-33'
N 68°-21' E	N 7°-12' W	106.99	103.70
11°-55'	87°-28'		
N 68°-21' E	75°-33'		
N 7°-12' W	11°-55'		
75°-33'	174°-56'		

	N	S	E	W
S 77°-41' W 154.38		32.93		150.83
N 80°-16' E 103.70	17.53		102.21	
N 72°-30' E 50.98	15.40		48.62	
Cot. 31674				

Calc. of W. Line of 3rd St.

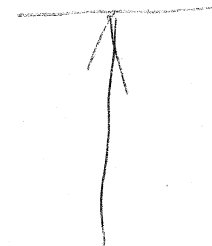
P13

N 73° 32' E
N 72° 30' E 50.98
.28346 .95898

N 14.45

E 48.89

W



S 6° 38' E
S 7° 40' E 354.0
99331 11552

351.63

40.89

S 7° 01' E
S 8° 03' E 438.5
99251 12216

435.22

53.56

South
S 1° 02' E 965.00

965.00

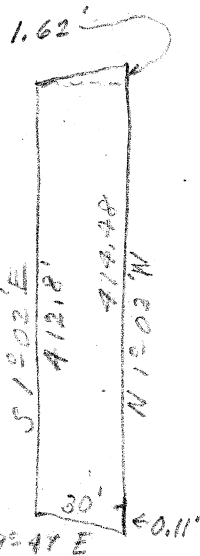
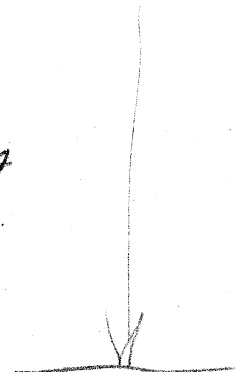
?

North
N 1° 02' W 412.76 412.76

N 6° 10' W
N 7° 12' W 1332.35 1324.64
99421 10742

143.34

N 7° 12' W ✓
10' Error



$$\perp S 1^{\circ} 02' E = N 88^{\circ} 58' E - 3^{\circ} 05' (\frac{1}{2} \text{ Rd. Angle}) = N 85^{\circ} 53' E$$

$$30 \times \sin 3^{\circ} 05' = 1.61$$

$$.05379$$

$$.11$$

$$1.72$$

$$414.48$$

$$414.46$$

$$- 1.72$$

$$- 1.72$$

$$412.76$$

$$416.36 \text{ E. Line}$$

$$7.56 - ?$$

$$420.36$$

$$S 7^{\circ} 12' E$$

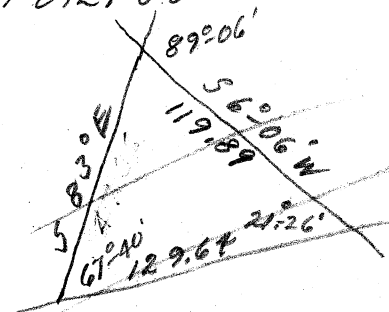
$$S 1^{\circ} 02' E$$

$$\frac{6 - 10'}{2} = 3^{\circ} 05'$$

Calc. of W. Line of O.L. 80

P. 14

Fr. P. 11 24.4
25.86
 50.21



.36542 .92510
 517 21°26' 517 67°41'
47.36 119.89

47.36
.9251
 47.36
 23680
 9472
42624
 43.812736

119.89
.36542 43.812736
36542
 72707
36542
 361653
328878
 327756
292336
 35420

24.4
35.5
 59.9

Azi. 97°00'
6°00'
 1°00'

.01920
60
 - .115200

1.15 Adjustment N.
 127.10 P. 11
 54.73 1/2 Ect Rd P. 11
 300. Lot
 25.99 Paul Drive
 10.00 Offset
 502.63 Power Co.

2248.10
1027.75
1220.35

1027.60
6.15 Adjustment S. end
 1027.75

.10250
60
 6.15000

S 6°06' W
 S 89°47' E
 95°53'

Calc. of S. Line of O.L. 80

225.88
149.00
 374.88

502.63
374.88
 127.75

232.36
 90.64
50.00
 373.00

412.76
373.00
 39.76

232.36
90.64
 323.00

S 5°-09'-30"E

S 4°-25'E 72'

.99595
.08990

N

S

E

W

P. 15

N 1°-05' W

N 0°-20'-30"W

-44'-30"

S 4°-25'E

44'-30"

S 5°-09'-30"E

N 85°-35'E

44'-30"

N 84°-50'-30"E

147.40

6.47

153.87

95

152.92

226.21

149.00

375.21

13.31

49.99

63.30

71.75

63.30

8.45

N 84°-50'-30"E

N 85°-35'E 148

.08990
.99595

13.31 ✓

147.40 ✓

N 1°-05'W

N 0°-20'-30"W 50

.99982
.01891

49.99 ✓

0.95 ✓

N 86°-50'W 153.15 8.45

.99847

152.92

S 86°-50'E 153.15

8.45 152.92

PIA S 1°-05'E 373.00

.99982
.01891

372.93

7.05

N 89°-47'W 330.63

1.25

330.62

.00378
.99999

N 6°-06'E 375.21 373.09

.99434
.10626

39.87

N 86°-55'E 130.97

7.04

130.78

.99855

~~S 4°-25'E~~

~~41°-30'~~

~~3°-44'-30"~~

5-06 30

N 1°-02'W

N 0°-20'-30"W

0°-41'-30"

N 85°-35'E

0 41-30

N 84° 53-30 E

232.36

111.8

343.16

S 5°-06'-30"E
S 4°-25'E 72
99603 .08905

N

S
71.71E
6.41

W

N 84°-53'-30"E
N 85°-35'E 148
.08905 99603

13.18

147.41

N 1°-02'W
N 0°-20'-30"W 50.
.99984 .01803

49.99

0.90

N 86°-50' W 163.15 8.45

Cot. 0.055258

152.92

S 86°-50'E 153.15
05524 99847

8.46 152.92

S 1°-02'E 373.0
99984 01803

372.94

6.73

N 89°-47' W 330.64 1.25
00378 99999
225.88
149

330.64

N 6°-06'E 374.88 372.76 39.83
99434 10626

Cot. 0.05634

N 86°-46'E 131.37 7.39 131.16
.99842

Calc. for Location of N.E. Cor. Power-Co. Lot

S 6°-06'W 502.63
99434 10626

N

S
499.79

E

W
53.41

S 89°-47'E 330.63 1.25

330.62

N 1°-02'W 343.16 343.11
.99984 .01803

6.19

Cot. 57350

N 60°-10'W 312.42 155.43
.86748

271.02

P. 17

Calc. for closure and Area

	N	S	E	W	M.D.S.	N	S
N 62° 06' E	1220.35		129.67		64.90	1,092	
99434 .10626							

N 80° 16' E	103.70		102.21		180.85	3,172	
.16906 .98561							

S 72° 12' E	1332.35		167.10		315.65		417,236
.99211 .12533							

S 1° 02' E	39.76		0.72		399.55		15,882
99984 .01803							

N 86° 50' W	153.15			152.92	323.50	2,734	

S 86° 55' W	136.97			130.78	181.75		1,280

N 62° 06' E	1271.75		13.57		123.20	15,650	
99134 .10626							

N 89° 41' W	130.00			130.00	65.00		32
.00578 .99999							

1366.94	1368.62	413.15	413.70				
6.94			1.5				
1.68			0.55				

= Area N. of Neuman Creek

434,398

41,718 = 9.45 A.

D. 1/1

Calc. of Acreage S. of U.S. Army Property (Oriented Ordinates Fr. P. 8)

	N	S	E	W	MDS	N	S
N. 6°-06' E	225.88		23.19		11.60		
S 76°-39'-30" E	51.54	11.70	50.19	48.29			565
S 86°-15' E	51.65	3.18	51.55	99.16			315
N 86°-58'-30" E	49.38	2.79	49.30	149.60	417		
N 82°-48' E	158.62	19.70	151.34	249.92	4,923		
S 1°-02' E	232.36	232.30	5.06	328.12			76,222
N 89°-47' W	330.64			330.64	165.32		

77,102

69,156 D' = 1.58 Acres

in South Section of O.L. 80

232.36
90.64
50
273.00