

**MACOMB COUNTY 2013 REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
E-08**

Section One

Index

Pictures in the four cardinal directions; the found monumentation (nothing found) and after setting the required monumentation.

Section Two

Surveyor's Report

Land Corner Recordation Certificate

Section Three

1-3. Field Notes

4. Map of Bruce Township – 1875

5. Map of Bruce Township – 1895

6. Map of Bruce Township – 1916

7. Map of Bruce Township – 2006

8. Map of Section 20, no date

9. Map of Section 21, no date

10. Macomb County Composite Map 01-20D

11. Macomb County Composite Map 01-20H

12. Macomb County Composite Map 01-21A

13. Macomb County Composite Map 01-21E

Section Four

1. GLO Notes

2. Unrecorded survey prepared by Walter J. Lehner, Reg, C.E., Surveyor, page one of one

3. Sketch of the public land corners that fall within the Ford Proving Grounds.







REMONUMENTATION
LAND CORNER RECORDATION CERTIFICATE
Filing Requirement of Act 74, Mich. P.A. 1970

For corners in

Macomb Located In Bruce Township Corner Code E-08
County

1. Public Land Survey		T	<u>5N</u>	R	<u>12E</u>	<u>E-08</u>
		T		R		
		T		R		
		T		R		
2. Property Controlling in Section	S	T		R		
	S	T		R		
3. Miscellaneous Property in Sec.	S	T		R		
	S	T		R		

3169758 PAGE 1 OF 2
LIBER 22537 PAGE 396
11/12/2013 10:17:32 A.M.
MACOMB COUNTY, MI SEAL
CARNELLA SABAUGH, REGISTER OF DEEDS

Register of Deeds Stamp & File Number

4. Lot No. _____, Recorded Plat _____
5. Private Claims _____

I, Huston K. Kennedy, in a field survey on September 20, 2013 do hereby state that under requirements of P.A. 74, Michigan P.A. of 1970, the corner points mentioned in lines 1 and 2 above were in conformance with regulations and rules therefore as required in the current manual of survey instructions of the United States Department of the Interior, Bureau of Land Management or by a decree of a Court of Law and/or that the corner points mentioned in lines 3, 4 and 5 above were in conformance with the rules of the Michigan Board of Land Surveyors or by a Decree of a Court of Law; established, re-established, monumented, recovered, found as expressed below:

NOTE: Not more than 2 corners, all in the same town and range, may be recorded on this certificate.

1	A	B	C	D	E	F	G	H	I	J	K	L	M
2		6		5		4		3		2		1	
3													
4		7		8		9		10		11		12	
5													
6		18		17		16		15		14		13	
7													
8		19		20		21		22		23		24	
9													
10		30		29		28		27		26		25	
11													
12		31		32		33		34		35		36	
13													

A. Description of original monument and accessories and/or subsequent restoration:

- 1.) 1817-Wampler, D.S., 18" Black Oak N43°W 6 links; 16" White Oak N59°E 17 links
- 2.) 1926-Lehner, Reg. C.E. Surveyor unrecorded survey - depicts the 1/4 corner, object found not stated, no witnesses

B. Description of corner evidence found and/or method applied in restoring or reestablishing corner:

2013-Kennedy Surveying, Inc. - Kennedy, PS #17623 - The corner has not been perpetuated as it falls within the Ford Proving Grounds, which is very difficult site for a surveyor to gain access to.

I am treating E-08 as a obliterated corner and using the existing field evidence to re-establish the corner. I extended a line from E-09 through capped 1/2" iron rod (1365.00 feet north of E-09) north to the intersection of a fence, tree and rock row extending to the east and west. Extending to the south of the re-established corner is a two track trail (the remains of an old road bed for Lassier Road) with a fence wire either side of the two track trail extending to the north and south. The re-established corner falls 18 feet south of the center of Hidden Lake Gravel Drive extending in a northeast and southwest direction having a gravel surface. A tree, fence and rock row that extends to the east, and begins 110 feet east of the corner.

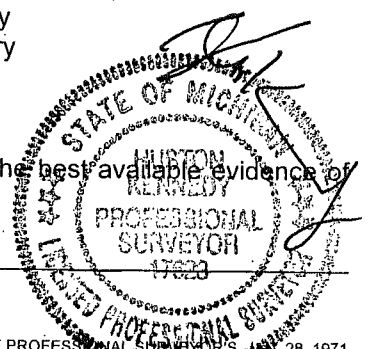
I am of the opinion that Ford Motor Company, which has ownership of the proving grounds has unrecorded information that might affect the location of this corner. However, I am unable to gain access to the Ford Motor Company unrecorded information at this time.

RECORDED, UNRECORDED AND FIELD MEASUREMENTS BETWEEN CORNERS (cont. on back side of LCRC)

C. Description of monument for corner and accessories established to perpetuate locating the position of the corner:
E-08 I set a 3/4" x 24" iron rod w/2" diameter aluminum cap stamped "Macomb County Monument, MI Act #345, PS #17623"
S04°E 63.33' Set a #60d nail w/washer stamped "Macomb County Witness Tag" west face 12" Cherry
N17°W 81.29' Set a #60d nail w/washer stamped "Macomb County Witness Tag" east face 10" Cherry
S80°E 109.72' Set a #60d nail w/washer stamped "Macomb County Witness Tag" north face 10" Oak
S18°W 98.72' Set a #60d nail w/washer stamped "Macomb County Witness Tag" north face 12" Oak

The selected location is accepted by me and is generally accepted by Professional Surveyors as the best available evidence of the position of the corner as being perpetuated.

Signed by [Signature] Date October 24, 2013
Surveyor's Michigan License No. 17623



ACCEPTED BY THE MACOMB COUNTY SURVEY PEER GROUP AS THE OFFICIAL CORNER UNDER MICHIGAN PUBLIC ACT 345 OF 1990 AT A MEETING HELD ON 10-22-2013
[Signature]
MARTIN C. DUNN, P.S. CHAIRMAN

TOWN 5 NORTH, RANGE 12 EAST, BRUCE TOWNSHIP (E-08)

Section "B" cont.

RECORDED, UNRECORDED AND FIELD MEASUREMENTS BETWEEN CORNERS

E-08 to E-07

GLO = 40 chains or 2640.00 Ft.
N02°24'55" W 2583.86 Ft. (mea. 2013)

Liber 22537 Page 397

E-08 to E-09

GLO = 40 chains or 2640.00 Ft.
S02°50'43" E 2643.29 Ft. (mea. 2013)

E-08 TO D-08

No GLO
I didn't recover the corner

E-08 TO F-08

No GLO
I didn't recover the corner



2013
MACOMB COUNTY REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
E-08

Prepared by:
Kennedy Surveying, Inc.
105 North Washington Street
Oxford, Michigan 48371
13-7120 (96-4013)

Sources of Information Researched For Macomb County 2013 Remonumentation Grant Program For Bruce Township

- 1) GLO Notes
- 2) Act 74 Recorded LCRC
- 3) Act 132 Recorded Surveys
- 4) Personal History and Records
- 5) Unrecorded LCRC's and Surveys
- 6) Letters to the Following, Requesting unrecorded information
 - a) Anderson, Eckstein & Westrick
 - b) BMJ Engineers & Surveyors
 - c) Community Engineering
 - d) David Little Land Surveyor
 - e) David P. Smith & Associates, Inc.
 - f) Fenn & Associates Surveying, Inc.
 - g) George Jerome & Company
 - h) Grant Ward Surveyors
 - i) Great Lakes Geomatics
 - j) JCK Group, Inc.
 - k) Kem-Tec Surveying
 - l) King Surveying & Associates, Inc.
 - m) Lehner Associates, Inc.
 - n) Metco Land Sea Corp.
 - o) Milletics & Associates
 - p) R. J. Donnelly & Associates, Inc.
 - q) R. A. Duthler Land Surveyor LLC
 - r) Reichert Surveying
 - s) Road Commission for Macomb County
 - t) Rowe Professional Services
 - u) Urban Land Consultants, L.L.C.
 - v) Williams & Gorinac Associates

GLO SURVEY HISTORY

Researching the government survey records for Macomb County shows that the South and East lines of Bruce Township were surveyed and the township was subdivided into sections with closing corners set on the North and West township lines by Joseph Wampler, D.S. in 1817. A post was set at the East $\frac{1}{4}$ corner of Section 20 and the West $\frac{1}{4}$ of Section 21.

WITNESSES:

(Based upon Government Survey Records)

18" Black Oak	N43°W	6 Links
16" White Oak	N59°E	17 Links

EXISTING FIELD CONDITIONS

The original government post has been obliterated and the witness trees have been destroyed. The corner has not been perpetuated as it falls within the Ford Proving Grounds, which is a very difficult site for a surveyor to gain access to.

RECORDED AND UNRECORDED LCRC'S AND CERTIFICATE OF SURVEYS

Researching the Macomb County Records for Land Corner Recordation Certificates (LCRC) and Certificate of Survey shows that nothing has been recorded for this corner. Walter J. Lehner, Reg, C.E., Surveyor prepared a unrecorded survey in 1926, which depicts the $\frac{1}{4}$ corner, object found not stated, no witnesses.

I am treating E-08 as a obliterated corner and using the existing field evidence to re-establish the corner. I extended a line from E-09 through capped $\frac{1}{2}$ " iron rod (1365.00 feet north of E-09) north to the intersection of a fence, tree and rock row extending to the east and west. Extending to the south of the re-established corner is a two track trail (the remains of an old road bed for Lassier Road) with a fence wire either side of the two track trail extending to the north and south. The re-established corner falls 18 feet south of the center of Hidden Lake Gravel Drive extending to in a northeast and southwest direction having a gravel surface. The tree, fence and rock row that extends to the east , and begins 110 feet east of the corner.

I am of the opinion that the Ford Motor Company, which has ownership of the proving grounds has unrecorded information that might affect the location of this corner. However, I am unable to gain access to the Ford Motor Company unrecorded information at this time.

RECORDED, UNRECORDED AND FIELD MEASUREMENTS BETWEEN CORNERS

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GLO = 40 chains or 2640.00 Ft.
N02°24'55" W 2583.86 Ft. (mea. 2013)

E-08 to E-09

GLO = 40 chains or 2640.00 Ft.
S02°50'43" E 2643.29 Ft. (mea. 2013)

E-08 TO D-08

No GLO
I didn't recover the corner

E-08 TO F-08

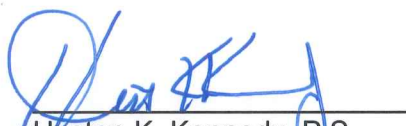
No GLO
I didn't recover the corner

(Revised 10/30/13)

SURVEYOR'S RECOMMENDATION

It is my opinion that the reason nothing has been recorded for this corner (E-08) it falls within land which was conveyed to the Ford Motor Company in 1955, also the Macomb County Road Commission vacated parts of 35 Mile, Lassier and Fisher Roads that fall within the Ford Proving Grounds in 1955.

I am treating E-08 as a obliterated corner and using the methodology as described on the previous page to re-establish E-08. I am, therefore, recommending to the Macomb County Peer Group that they accept E-08 as re-established as the corner position to be perpetuated.



Huston K. Kennedy, P.S.
Kennedy, Surveying, Inc.

HKK/clh

**2013
MACOMB COUNTY REMONUMENTATION
E-08 BRUCE TOWNSHIP**

Pgs. 1-7

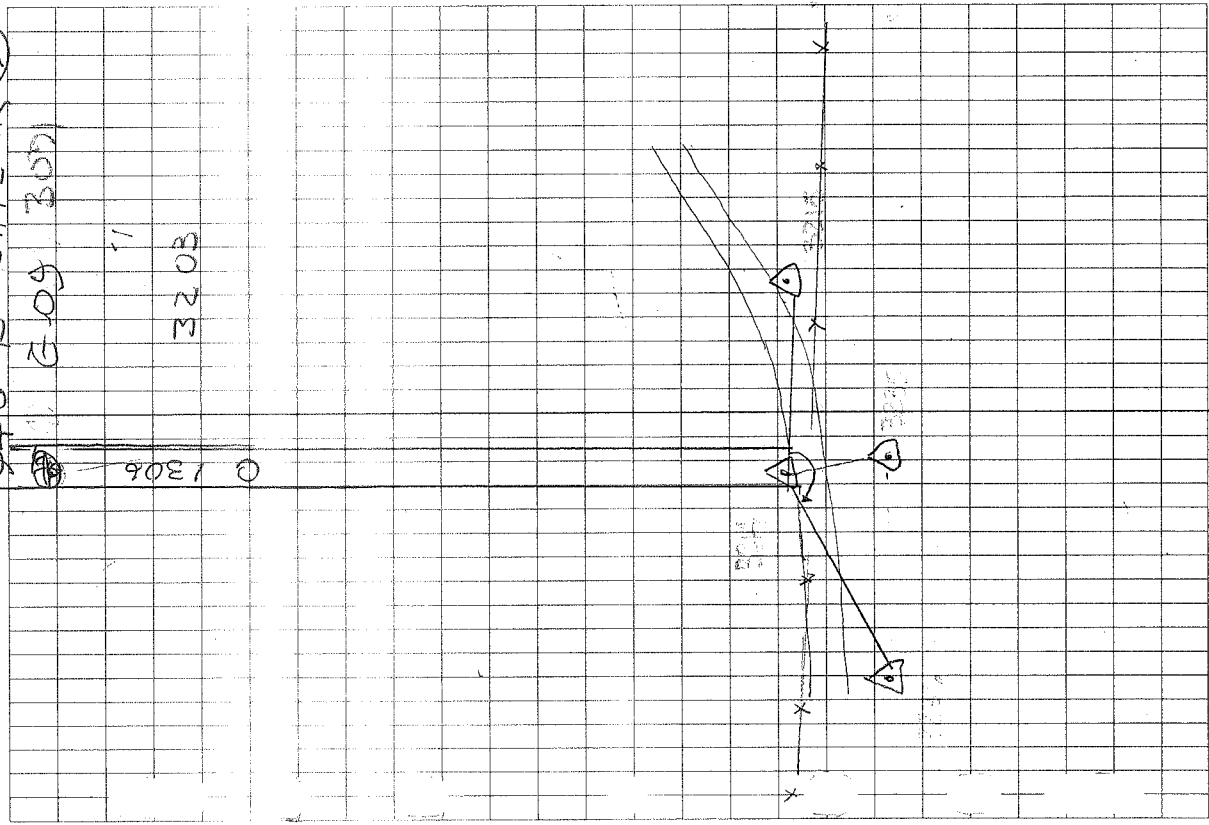
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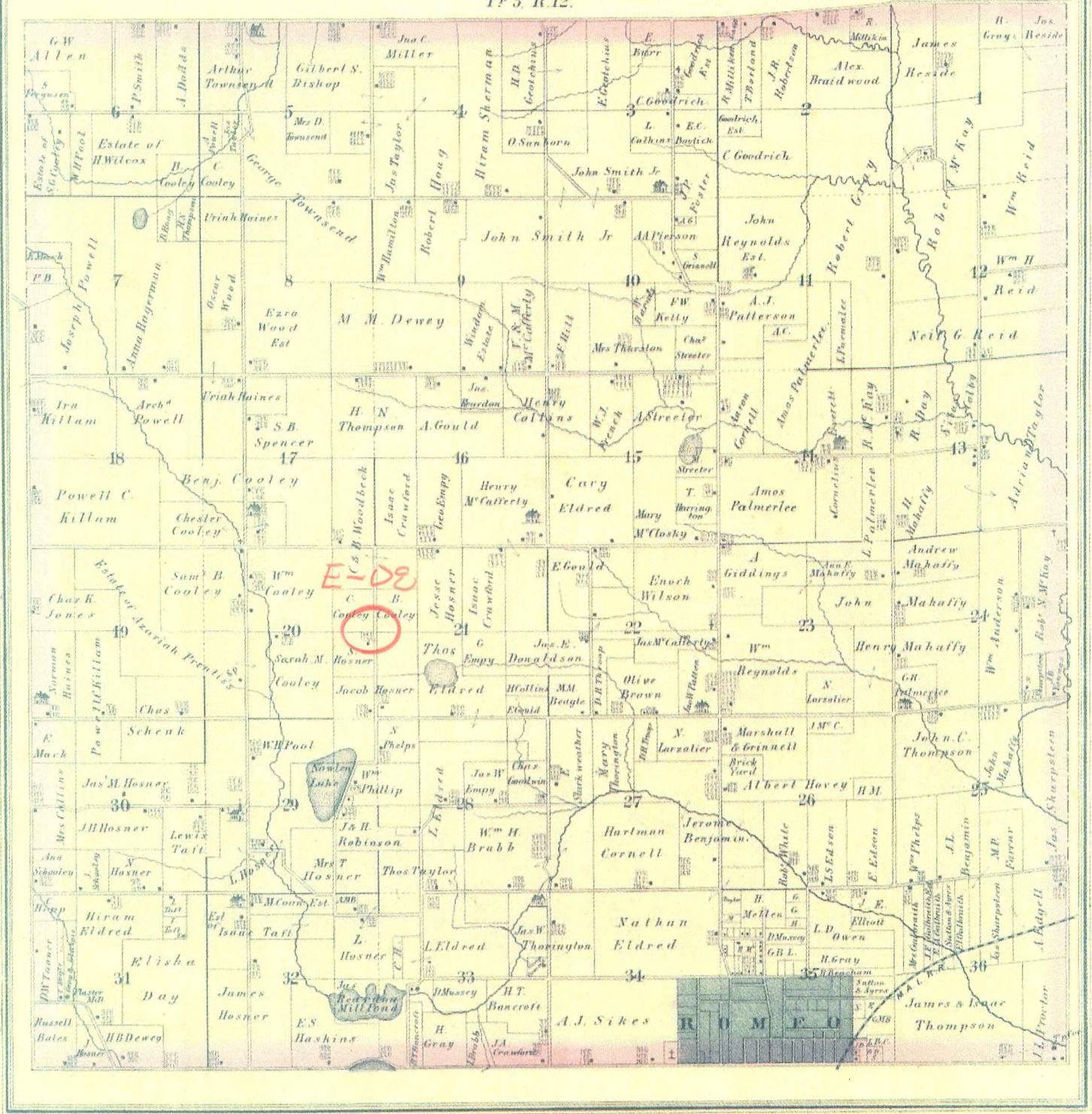
320B

1306



MAP OF BRUCE TOWNSHIP

TP 5, R. 12.



Scanned By:

METCO

Engineers, Architects & Surveyors

4

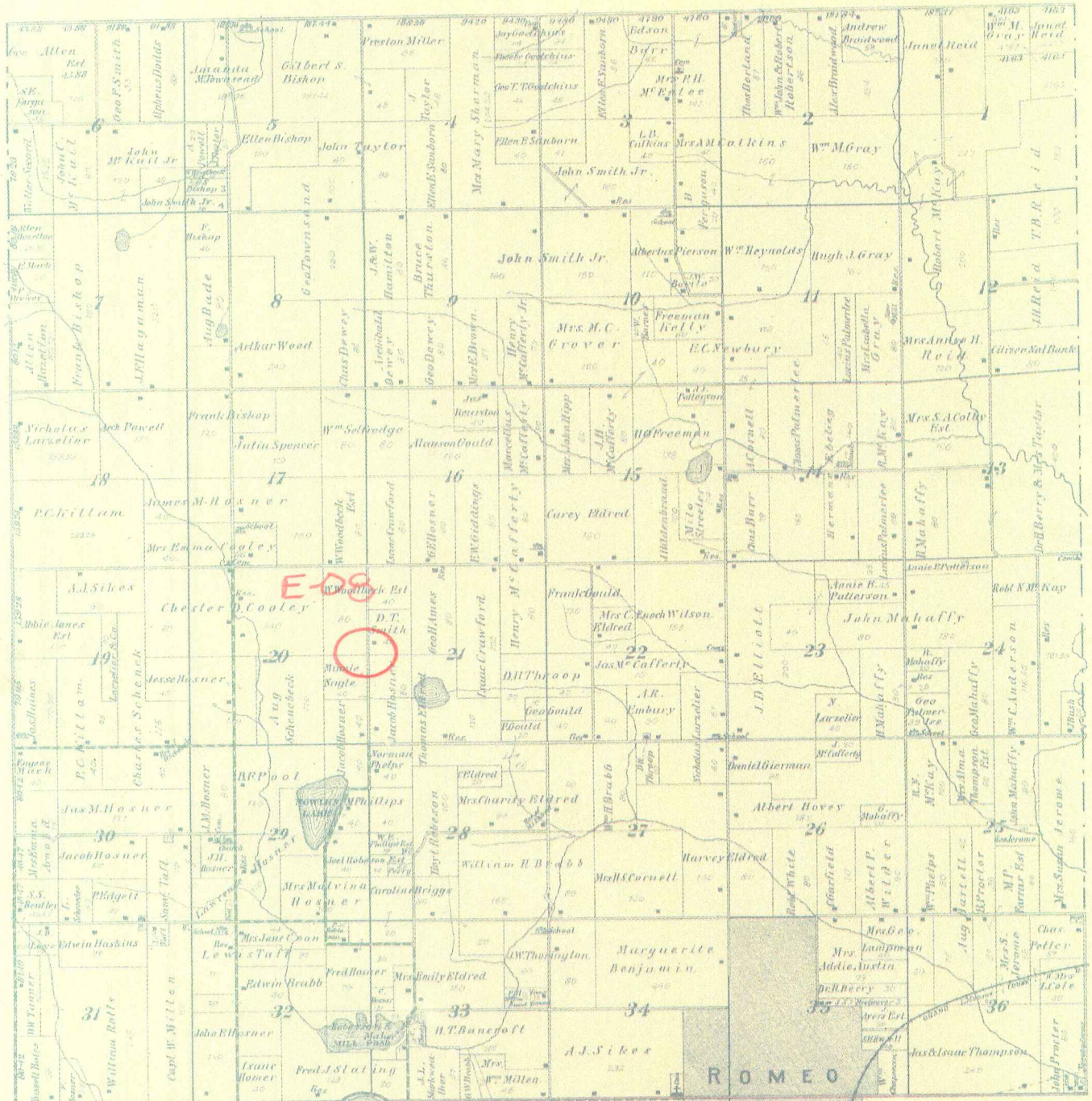
1875

MAP OF BRUCE

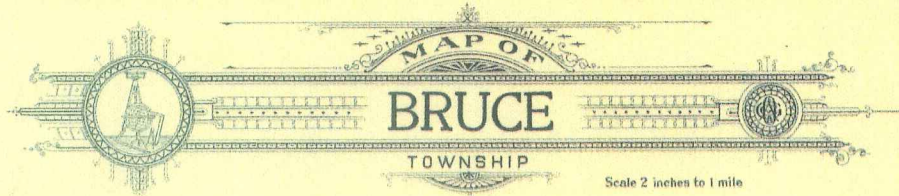
Township 5 North Range 12 East

Scale 2 Inches to one Mile.

of the Meridian of Michigan



⑤ 1895

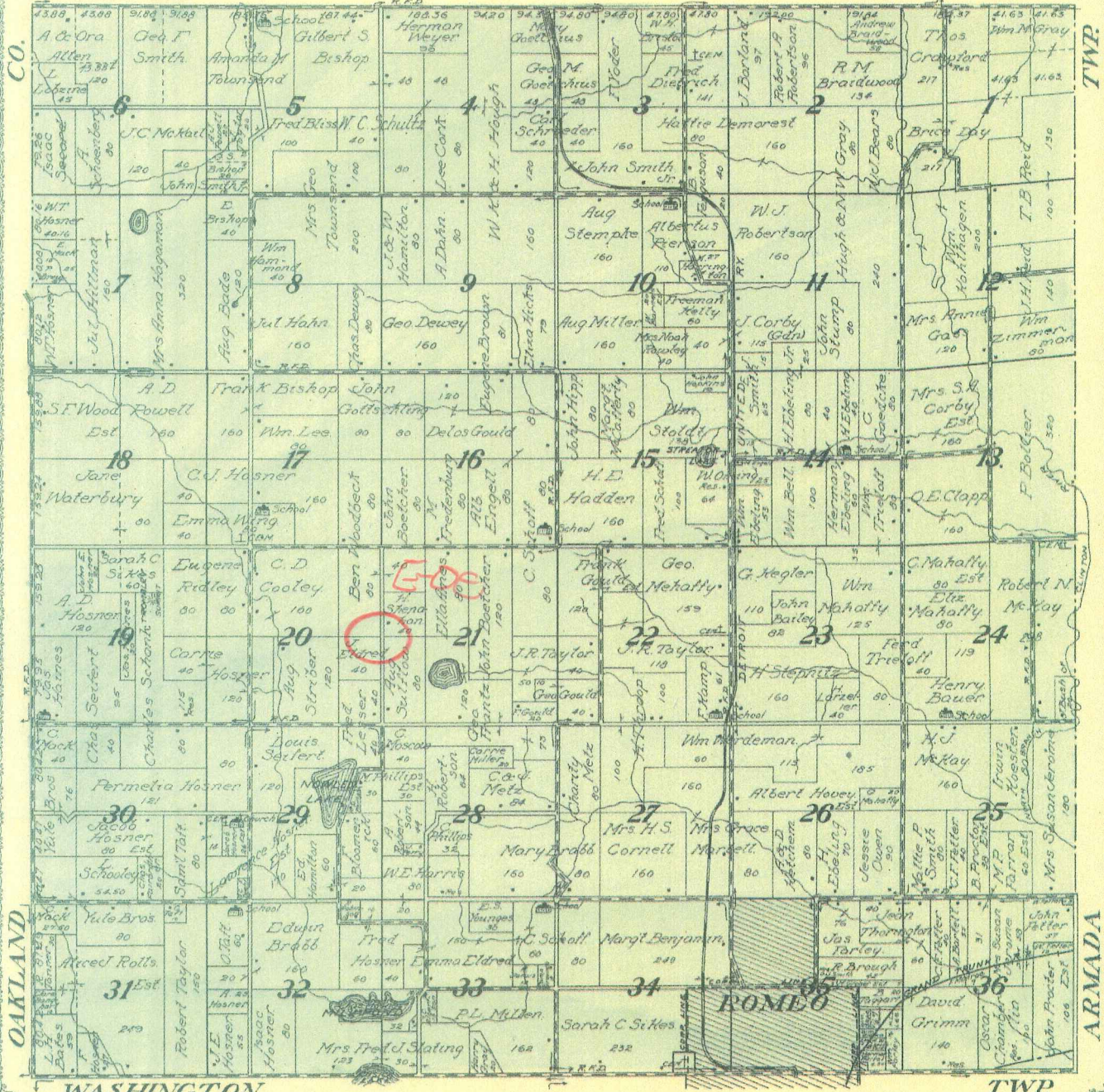


MAP OF
BRUCE
 TOWNSHIP
 Scale 2 inches to 1 mile

Township 5 North, Range 12 East of the Michigan Meridian

LAPEER

CO.



TWP.

OAKLAND

WASHINGTON

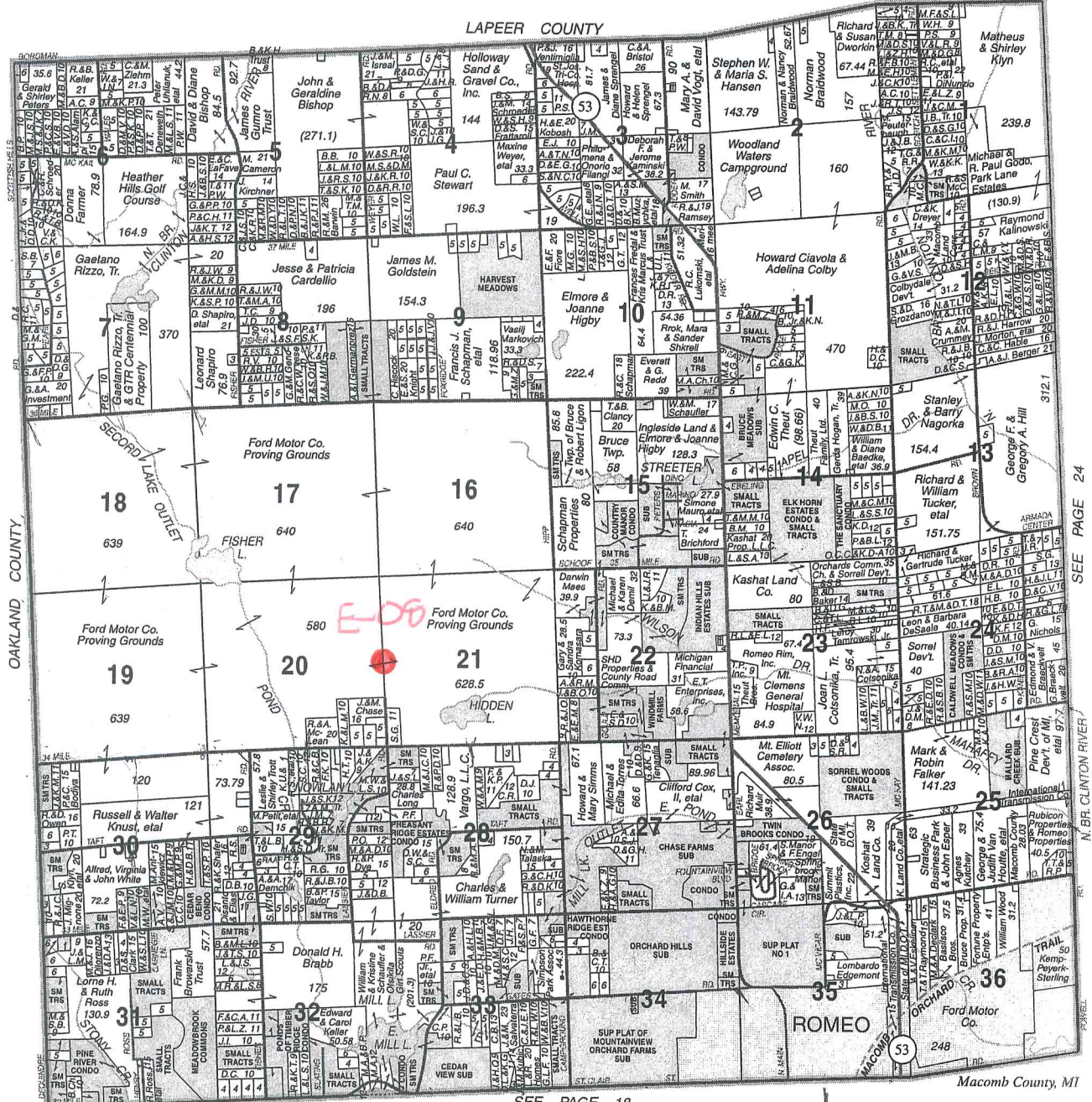
ARMADA

TWP.

6 1914

BRUCE

T.5N.-R.12E.



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SEE PAGE 18

2006

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SEC. 17 BRUCE TWP

NW COR. SEC. 20
N/4 POST SEC. 20
ME COR. SEC. 20

B 176

B 177

B 178

B 179

FORD MOTOR CO

CENTER POST SEC. 20

N/4 POST SEC. 20

E/4 POST SEC. 20

B 180

B 181

B 182

B 183

B 185

0.42 AS
61.870
104
B 184

B 187

E/4 POST SEC. 20

SE COR. SEC. 20

SW COR. SEC. 20

S/4 POST SEC. 20

SEC. 29 BRUCE TWP

T 5 N R 12 E
BRUCE TWP
SCALE 1" = 400'

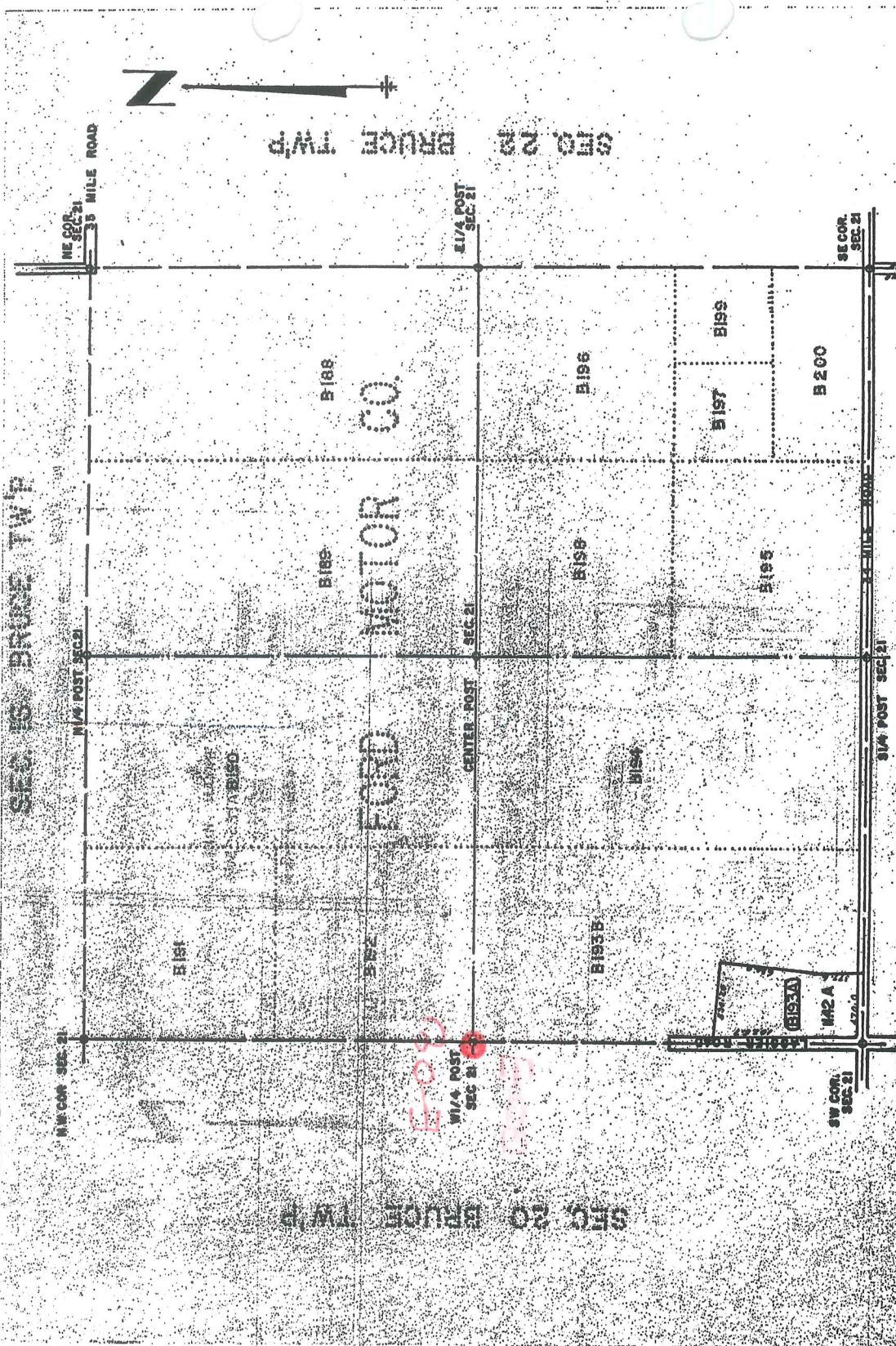
20

SHEET NO. 20



SEC. 21 BRUCE TWP

600



T. 5 N. R. 12 E.
 BRUCE TWP
 SCALE 1" = 400'
 21
 SHEET NO. 21



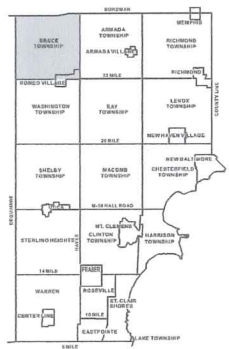
01-17G 01-17H 01-16E 01-20D

01-20C

01-21A

01-20G 01-20H 01-21E

Date of Photography: Spring 2010
 100 50 0 100 200 Feet
 1:1,200



BRUCE TOWNSHIP SHEET INDEX

BORDMAN	
SECTION	TOWNSHIP
1	BRUCE
2	BRUCE
3	BRUCE
4	BRUCE
5	BRUCE
6	BRUCE
7	BRUCE
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99	BRUCE
100	BRUCE

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER
13-19-302-018

Legend

- Platted Area Boundary Line
- Property Line
- Property Spill Line
- Property Combined Line
- Township Boundary Line
- Traverse Line
- Dimension Extent Marks
- Dimension Start Marks

01-20D
 Previously part of 01-H
BRUCE TWP.
 E. 1/2 N.E. 1/4 SEC. 20 T.5N. R.12E.

Source: Macomb County Department of Planning and Economic Development
 - 2008 Digital Orthophotography Project
 - Parcel Conversion Project

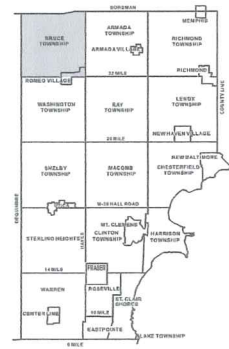
Note:
 Digital Orthophotography horizontal positioning accuracy is 3 feet. Parcel boundary lines should be considered a graphical representation and not in any way a legal survey or engineering document. In general, the horizontal positioning and length accuracy is within 15 feet.

This map is intended for general planning purposes. Site specific evaluation should be verified by field inspection. This is a work in progress and may contain errors and omissions. Please report any potential revisions to (586)469-5285.





Date of Photography: Spring 2010
100 50 0 100 200 Feet
1:1,200



BRUCE TOWNSHIP SHEET INDEX

SECTION	1	2	3	4	5	6	7	8	9	10	11	12
36	01-20C	01-20D	01-20E	01-20F	01-20G	01-20H	01-20I	01-20J	01-20K	01-20L	01-20M	01-20N
35	01-21A	01-21B	01-21C	01-21D	01-21E	01-21F	01-21G	01-21H	01-21I	01-21J	01-21K	01-21L
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1	01-55A	01-55B	01-55C	01-55D	01-55E	01-55F	01-55G	01-55H	01-55I	01-55J	01-55K	01-55L

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13-19-302-018

Legend

- Platted Area Boundary Line
- Property Line
- Property Split Line
- Property Combined Line
- Township Boundary Line
- Traverse Line
- Dimension Extent Marks
- Dimension Start Marks

01-20H
Previously part of 01-14
BRUCE TWP.
E. 1/2 S.E. 1/4 SEC. 20 T. 5N. R. 12E.

Source: Macomb County Department of Planning and Economic Development
2008 Digital Orthophotography Project - Parcel Conversion Project

Note: Digital Orthophotography horizontal positioning accuracy is 3 feet. Parcel boundary lines should be considered a graphical representation and not in any way a legal survey or engineering document. In general, the horizontal positioning and length accuracy is within 15 feet.

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01-20D

01-21B

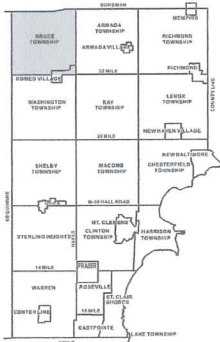
01-20H

01-21E

01-21F

Date of Photography: Spring 2010
 100 50 0 100 200 Feet

E-08



BRUCE TOWNSHIP SHEET INDEX

TOWNSHIP	SECTION	INDEX NUMBER
BORROMAN	1	01-17A
	2	01-17B
	3	01-17C
	4	01-17D
	5	01-17E
	6	01-17F
	7	01-17G
	8	01-17H
	9	01-17I
	10	01-17J
	11	01-17K
	12	01-17L
BRUCE	1	01-18A
	2	01-18B
	3	01-18C
	4	01-18D
	5	01-18E
	6	01-18F
	7	01-18G
	8	01-18H
	9	01-18I
	10	01-18J
	11	01-18K
	12	01-18L
DEQUINDEN	1	01-19A
	2	01-19B
	3	01-19C
	4	01-19D
	5	01-19E
	6	01-19F
	7	01-19G
	8	01-19H
	9	01-19I
	10	01-19J
	11	01-19K
	12	01-19L

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER

13-19-302-018

AREA NUMBER: 13
 SUB AREA NUMBER: 19
 BLOCK NUMBER: 302
 PARCEL NUMBER: 018

- Legend**
- Platted Area Boundary Line
 - Property Line
 - Property Split Line
 - Township Boundary Line
 - Traverse Line
 - Dimension Extent Marks
 - Dimension Start Marks

01-21A

BRUCE TWP.
 W.1/2 N.W.1/4 SEC.21 T.5N. R.12E.

Source: Macomb County Department of Planning and Economic Development
 - 2008 Digital Orthophotography Project
 - Parcel Conversion Project

Note: Digital Orthophotography horizontal positioning accuracy is 3 feet. Parcel boundary lines should be considered a graphical representation and not in any way a legal survey or engineering document. In general, the horizontal positioning and length accuracy is within 15 feet.
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GIS MACOMB COUNTY
 Planning and Economic
 Development Department

Published: Oct 27, 2010

12

15-08

FORD PROVING GROUNDS



Date of Photography: Spring 2010
100 50 0 100 200 Feet



BRUCE TOWNSHIP SHEET INDEX

ROW NUMBER	COLUMN NUMBER	DESCRIPTION
1	1	BRUCE TOWNSHIP
1	2	BRUCE TOWNSHIP
1	3	BRUCE TOWNSHIP
1	4	BRUCE TOWNSHIP
1	5	BRUCE TOWNSHIP
1	6	BRUCE TOWNSHIP
1	7	BRUCE TOWNSHIP
1	8	BRUCE TOWNSHIP
1	9	BRUCE TOWNSHIP
1	10	BRUCE TOWNSHIP
1	11	BRUCE TOWNSHIP
1	12	BRUCE TOWNSHIP
1	13	BRUCE TOWNSHIP
1	14	BRUCE TOWNSHIP
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2	97	BRUCE TOWNSHIP
2	98	BRUCE TOWNSHIP
2	99	BRUCE TOWNSHIP
2	100	BRUCE TOWNSHIP

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER
13-19-302-018

- Legend**
- Platted Area Boundary Line
 - Property Line
 - Property Split Line
 - Property Combined Line
 - Township Boundary Line
 - Traverse Line
 - Dimension Extent Marks
 - Dimension Start Marks

01-21E
Previously part of 01-J
BRUCE TWP.
W. 1/2 S.W. 1/4 SEC. 21 T. 5N. R. 12E.

Source: Macomb County Department of Planning and Economic Development
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Note:
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13



Town 5 North Range 12 East

East - On R.L. betⁿ S. 21 + 28

8.00 Ent^d Spruce strip

15.00 Left Do.

40.00 Set ten 1/2 m. post

59.73 Break 11 lbs N.E.

79.40 Ent^d N + S line 9 lbs N

Poor hilly Oak Land

Met Corrected betⁿ S 21 + 28

39.70 Moved ten 1/2 m. post to an^{other} distance

B.O. 17 S 76 W 19

Do. 15 N 3 S 35

70.84 W.O. 18 in An. Nov: 19th 1817

North. Betⁿ S. 20 + 21

7.50 Ent^d strip.

15.00 Left Do.

17.32 B.O. 20 in Dr.

40.00 Set 1/2 m. post

B.O. 18 N 43 W 6

W.O. 8 N 59 S 17

E-08

59.00 Ent^d strip.

61.00 Left Do.

70.00 Ent^d strip.

73.00 Left Do.

80.00 Set post con S. 16. 17. 20 + 21

Ash 10 S 60 S 11

W.O. 4 N 62 W 19

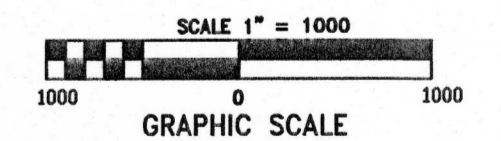
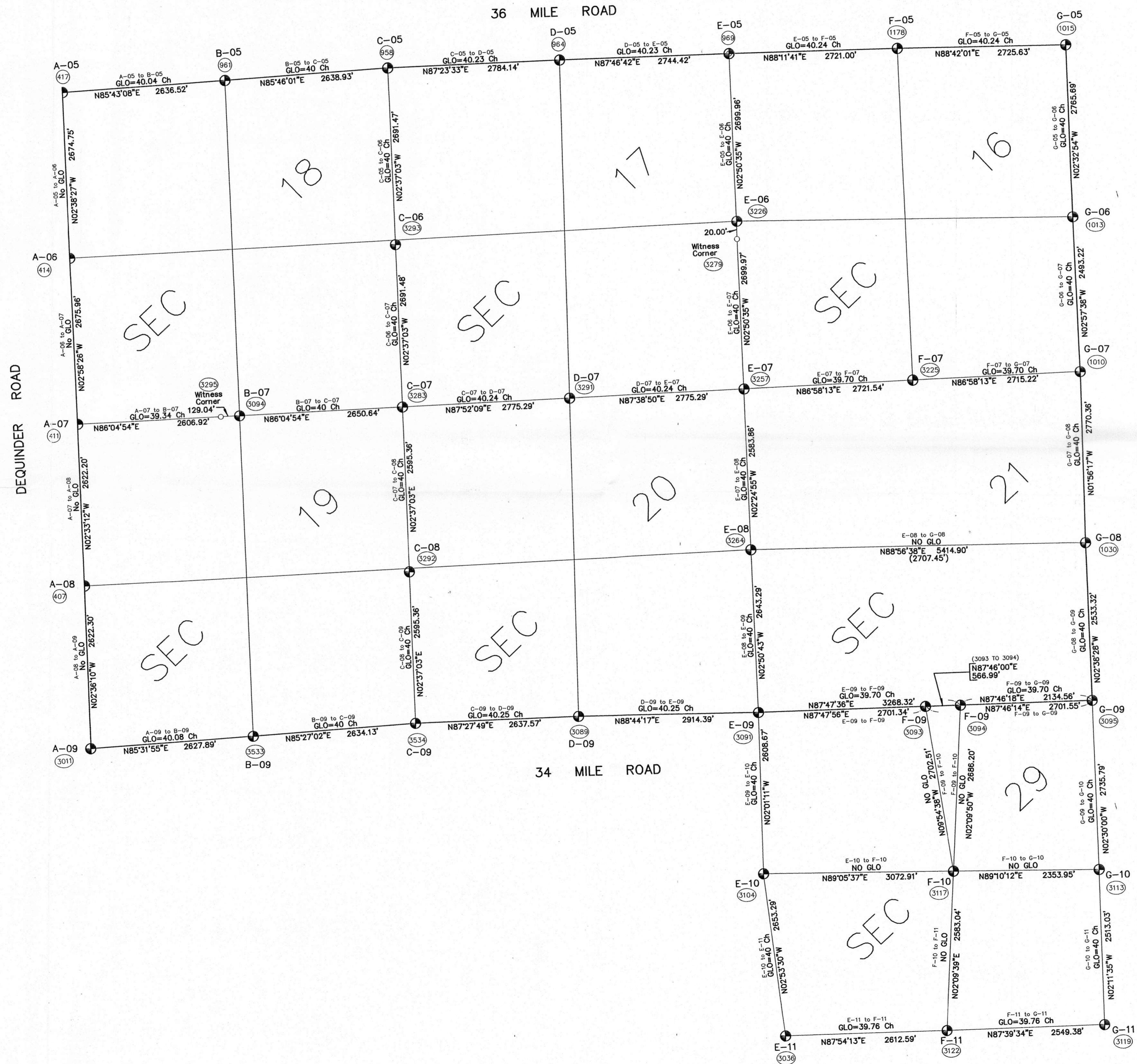
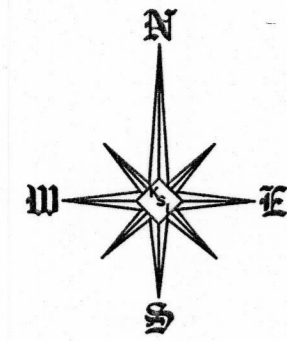
Poor hilly Oak Land

East On R.L. betⁿ S 16 + 21

40.00 Set ten 1/2 m. post

79.40 Ent^d N + S line 14 lbs south

Hilly poor burnt tim^{ber} Land



No.	By	Chk	Description	DATE
REVISIONS				
MACOMB COUNTY 2013 REMONUMENTATION GRANT For:				
PUBLIC LAND CORNERS THAT FALL WITHIN THE FORD MOTOR PROVING GROUNDS				
KENNEDY SURVEYING, INC. 105 N. Washington St. Oxford, Michigan 48371				
Fax: (248) 628-7191			Phone: (248) 628-4241	
Drawn By: DKS	Date: 07/18/13	Scale: 1" = 1000'	Sheet No. 1	
Chk'd: HKK	Drawing No: 13-ford1	Job No: 13-ford1		