
**MACOMB COUNTY 2013 REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
C-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

1-2. Field Notes

3. Map of Bruce Township – 1875

4. Map of Bruce Township – 1895

5. Map of Bruce Township – 1916

6. Map of Bruce Township – 2006

7. Map of Section 19, no date

8. Map of Section 20, no date

9. Macomb County Composite Map 01-19D

10. Macomb County Composite Map 01-19H

11. Macomb County Composite Map 01-20A

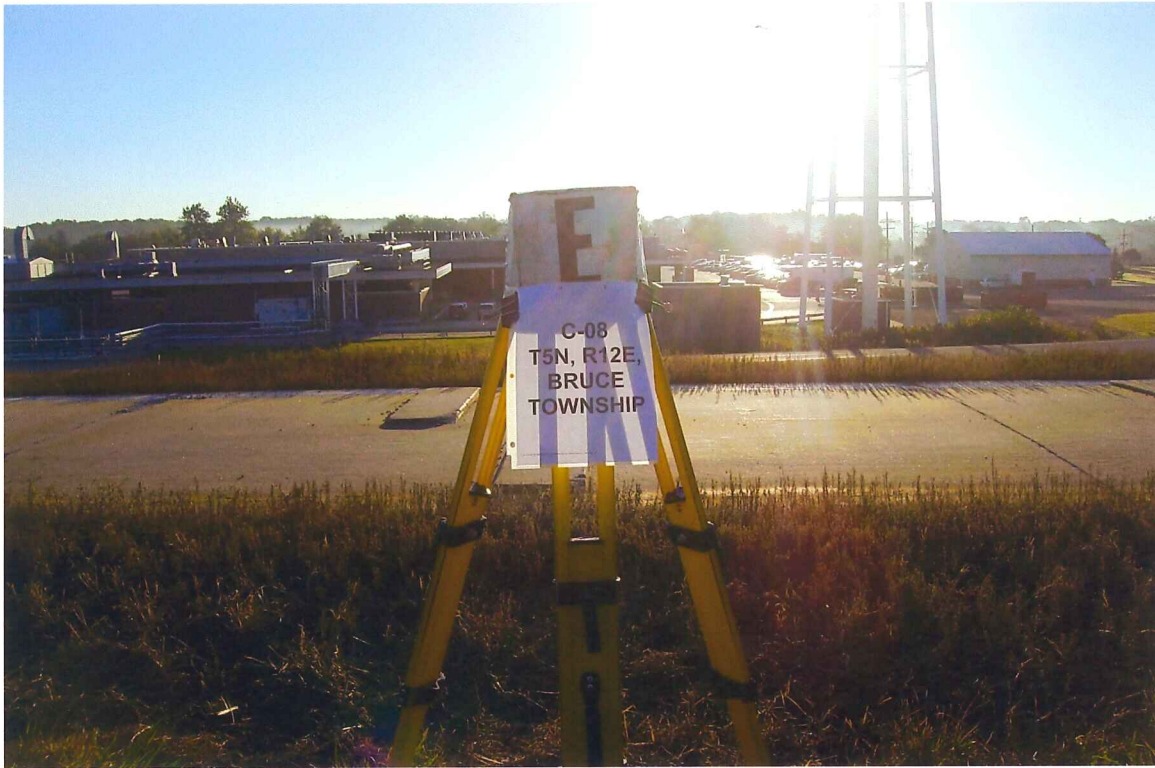
12. Macomb County Composite Map 01-20E

Section Four

1. GLO Notes

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







**2013
MACOMB COUNTY REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
C-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 ¼ corner of Section 19 and the West ¼ corner of Section 20.

WITNESSES:

(Based upon Government Survey Records)

8" White Oak	N40°W	4 Links
12" Black Oak	N26°E	75 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 area for a surveyor to gain access to the site.

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. I did not find any recorded information or field evidence that I could use to re-establish this corner (C-08).

I am treating C-08 as a lost corner and using government instructions for a single proportionate measurement to re-establish an interior section corner. The re-established corner falls 10' west of a concrete surface testing road extending in a north and south direction, also 60' east of a bituminous surface road extending in a north and south direction.

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

C-08 to C-07

GLO = 40 chains or 2640.00 Ft.
N02°37'03" W 2595.36 Ft. (mea. 2013)

C-08 to C-09

GLO = 40 chains or 2640.00 Ft.
S02°37'03" E 2595.36 Ft. (mea. 2013)

C-08 to B-08

No GLO
I didn't recover this corner

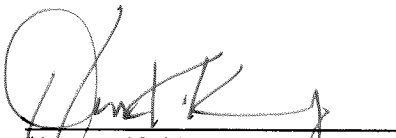
C-08 to D-08

No GLO
I didn't recover this corner

SURVEYOR'S RECOMMENDATION

It is my opinion that the reason nothing has been recorded for this corner (C-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 C-08 as a lost corner and using the methodology as described on the previous page to re-establish C-08. I am, therefore, recommending to the Macomb County Peer Group that they accept the re-established location for C-08 as the best position for this corner to be perpetuated.



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

HKK/clh

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

For corners in

Macomb Located In Bruce Township Corner Code C-08
County

1. Public Land Survey	T	5N	R	12E	C-08
	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	

3169755 PAGE 1 OF 2
LIBER 22537 PAGE 390
11/12/2013 10:17:32 A.M.
MACOMB COUNTY, MI SEAL
CARMELLA 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.

A	B	C	D	E	F	G	H	I	J	K	L	M
1												
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., 8" White Oak N40°W 4 Links; 12" Black Oak N26°E 75 Links

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 a very difficult area for a surveyor to gain access to.

I am treating C-08 as a lost corner and using government instructions for a single proportionate measurement to re-establish an interior sections corner. The re-established corner falls 10' west of a concrete surface testing road extending in a north and south direction, also 60' east of a bituminous surface road extending in a north and south direction.

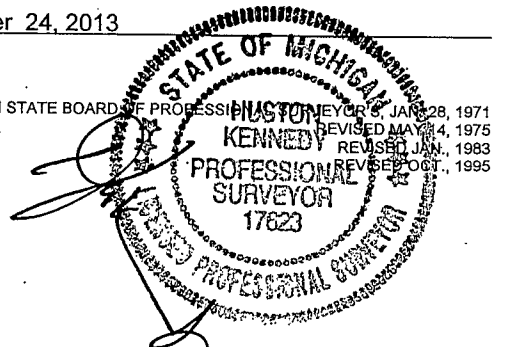
I am of the opinion that the Ford Motor Company, which has ownership of the proving grounds has unrecorded information that might affect the location of this corner. However, I am unable to gain access to the Ford Motor Company unrecorded information at this time.

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

C. Description of monument for corner and accessories established to perpetuate locating the position of the corner:
C-08 I set a 4" diameter x 36" long concrete monument with a 1/2" iron rod w/2" diameter aluminum cap stamped "Macomb County Monument, MI Act #345, PS #17623"
S51°W 203.19' Set Mag nail w/washer stamped "Macomb County Witnesses Tag" north face 10" Poplar
N73°W 207.40' Set Mag nail w/washer stamped "Macomb County Witness Tag" north face 24" Poplar
N15°E 59.27' Set 1/2" x 18" iron rod w/blue plastic cap stamped "mc remon wit point"
S15°E 114.56' Set 1/2" x 18" iron rod w/blue plastic cap stamped "mc remon wit point"
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

FORM APPROVED BY MICHIGAN STATE BOARD OF PROFESSIONAL SURVEYORS, JAN 28, 1971
REVISED MAY 14, 1975
REVISED JAN., 1983
REVISED OCT., 1995



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

C

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

Section "B" cont.

RECORDED, UNRECORDED AND FIELD MEASUREMENTS BETWEEN CORNERS (cont. on back side of LCR)
Liber 22537 Page 391

C-08 to C-07

GLO = 40 chains or 2640.00 Ft.
N02°37'03" W 2595.36 Ft. (mea. 2013)

C-08 to C-09

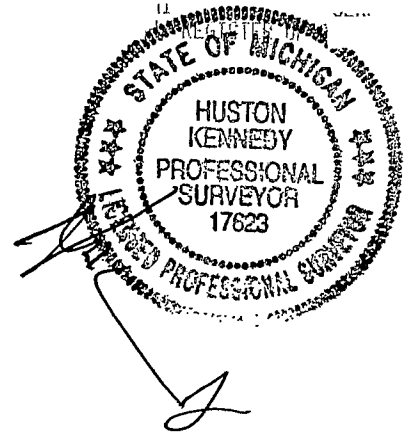
GLO = 40 chains or 2640.00 Ft.
S02°37'03" E 2595.36 Ft. (mea. 2013)

C-08 to B-08

No GLO
I didn't recover this corner

C-08 to D-08

No GLO
I didn't recover this corner

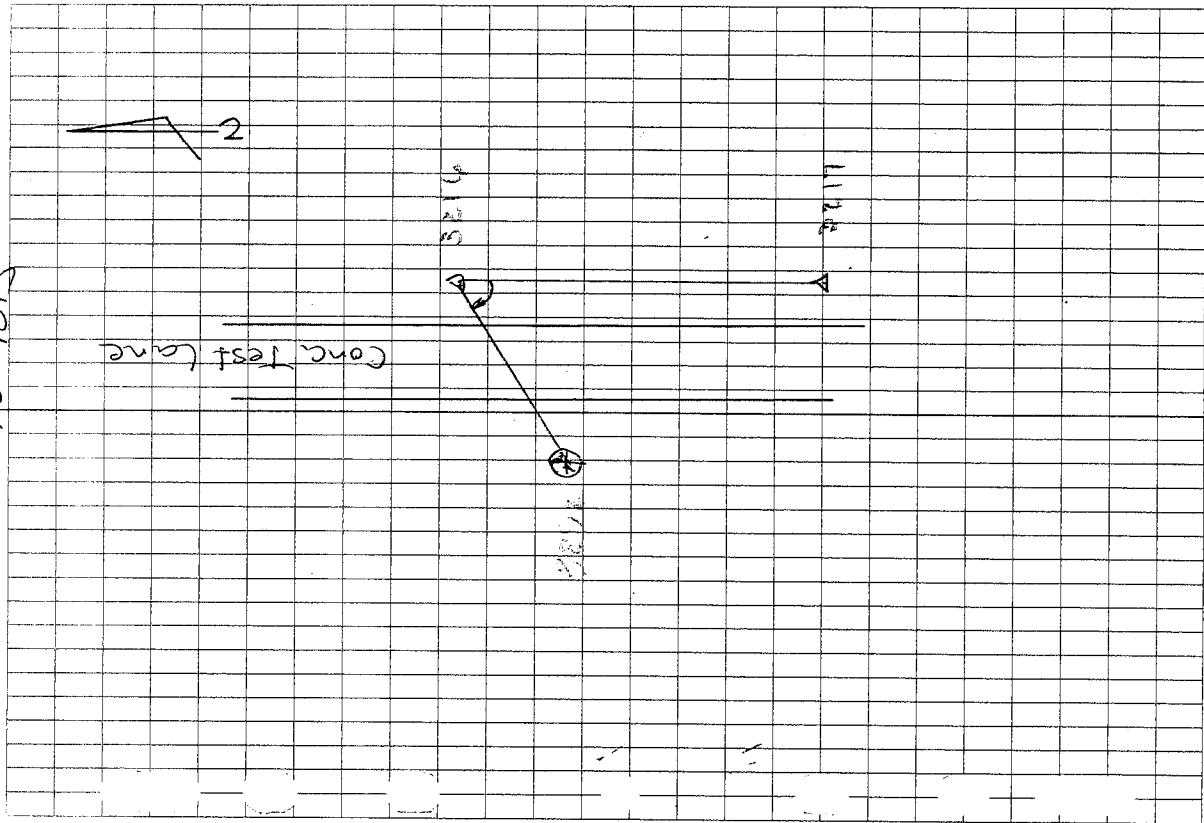


**2013
MACOMB COUNTY REMONUMENTATION
C-08 BRUCE TOWNSHIP**

Pgs. 1-2



96-4013



3214-3217

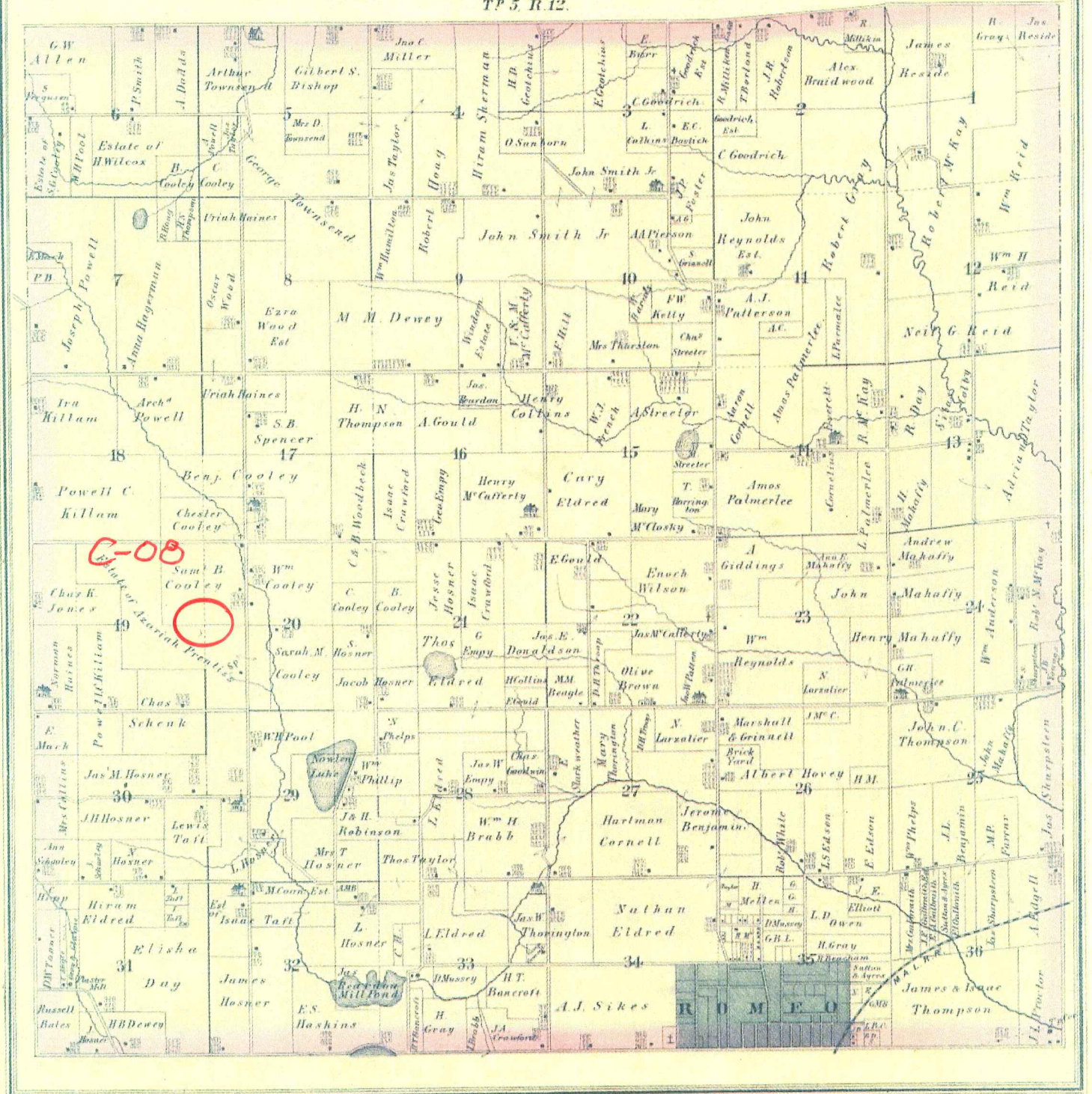
GPS
(M) 159.53
159.44

2 Pt 3217 to Pt 3292 (HD) 3216-3292

1 33-16-33 59.27 set #60
2 33-16-35 59.31
M 33-16-34 ✓ 0.047

MAP OF BRUCE TOWNSHIP

TP 5, R. 12.



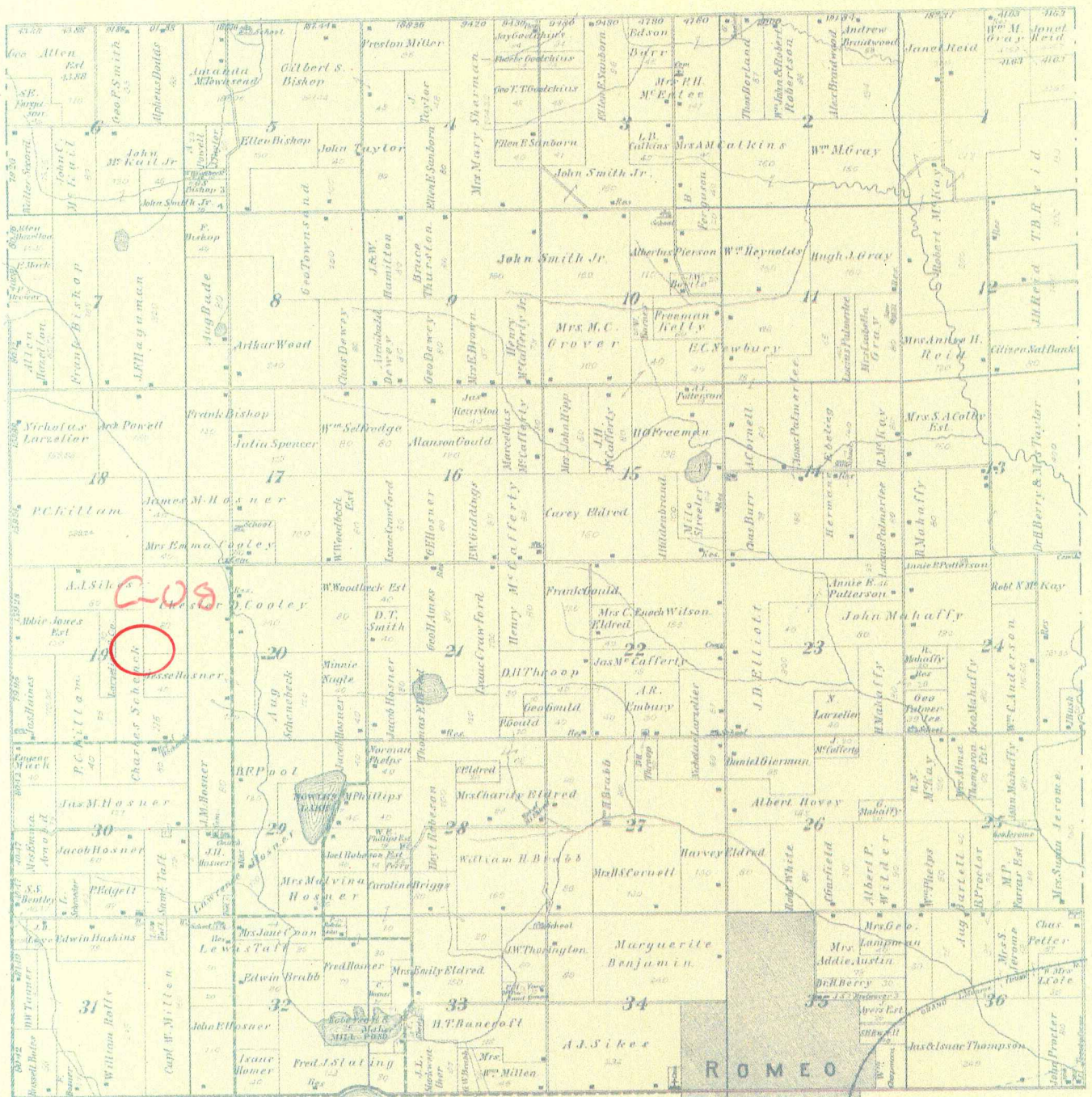
3 1875

MAP OF BRUCE

Township 5 North Range 12 East

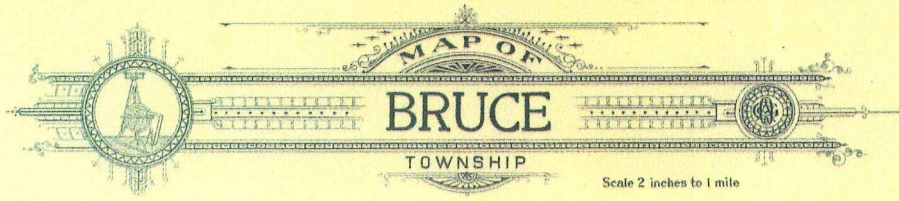
Scale 2 Inches to one Mile.

of the Meridian of Michigan



4

1895

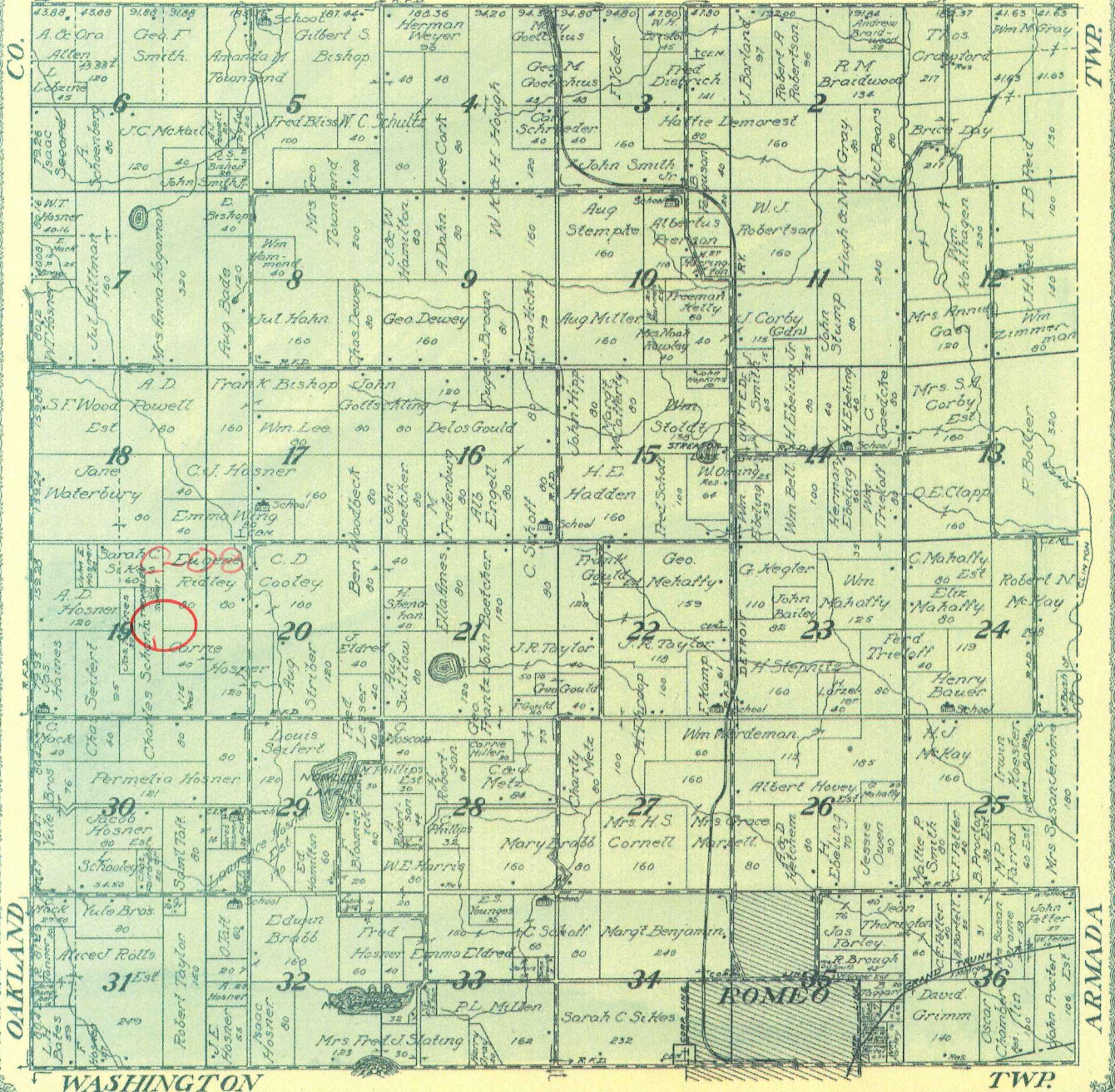


MAP OF
BRUCE
 TOWNSHIP
 Scale 2 inches to 1 mile

Township 5 North, Range 12 East of the Michigan Meridian

LAPEER

CO.



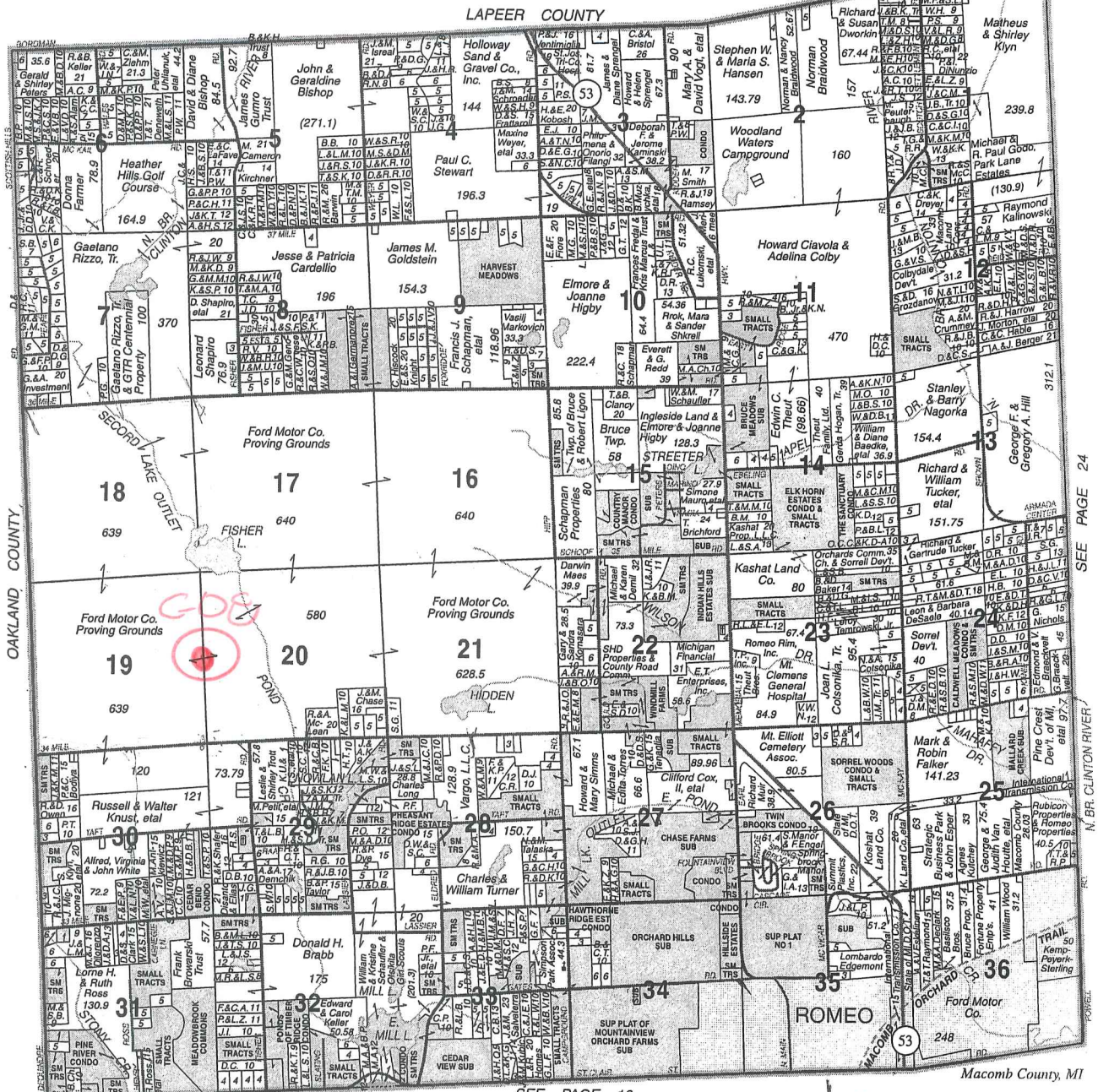
TWP.

ARMADA

WASHINGTON

TWP.

5 1916



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SEE PAGE 18

2006

SERVING MACOMB & ST. CLAIR COUNTIES

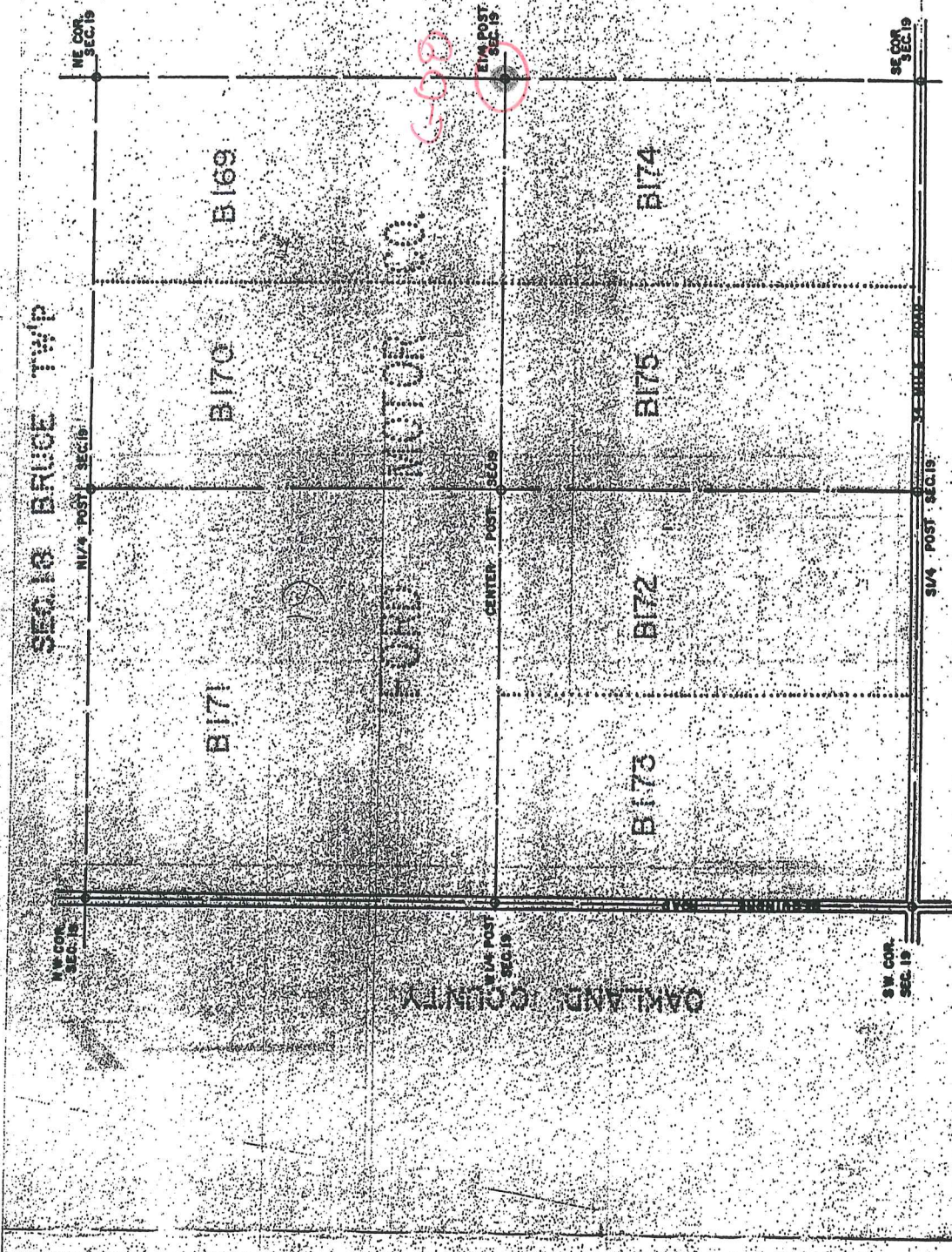
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SEC. 18 BRUCE TWP

NE COR. SEC. 19

N 1/4 POST SEC. 18

NW COR. SEC. 18

TWA POST SEC. 19

CENTER POST SEC. 19

N 1/4 POST SEC. 19

SE COR. SEC. 19

S 1/4 POST SEC. 19

SW COR. SEC. 19

SEC. 30 BRUCE TWP

19

T 6 N
R 12 E
BRUCE TWP
SCALE 1" = 400'

SHEET NO. 13

7

01-18G

01-18H

01-17E

01-19D



01-18C

01-19A

01-19G

01-19H

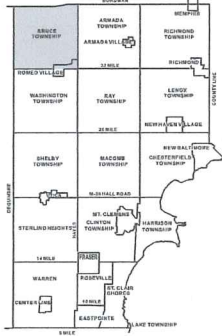
01-20E

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

1:1,200



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BRUCE TOWNSHIP SHEET INDEX

BORDMAN	
01-18G	01-18H
01-18I	01-18J
01-18K	01-18L
01-18M	01-18N
01-18O	01-18P
01-18Q	01-18R
01-18S	01-18T
01-18U	01-18V
01-18W	01-18X
01-18Y	01-18Z
01-19A	01-19B
01-19C	01-19D
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01-24C	01-24D
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01-27W	01-27X
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01-28C	01-28D
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01-32Q	01-32R
01-32S	01-32T
01-32U	01-32V
01-32W	01-32X
01-32Y	01-32Z

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER

13-19-302-018

AREA NUMBER (Township, Range, Section)
 SUB AREA NUMBER (Subdivision)
 BLOCK NUMBER (Block)
 PARCEL NUMBER (Parcel)

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

01-19D

Previously part of 01-1-G
 BRUCE TWP.
 E. 1/2 N.E. 1/4 SEC. 19 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.

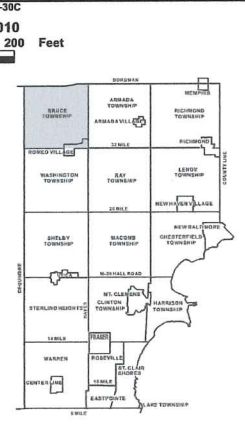


GIS MACOMB COUNTY
 Planning and Economic
 Development Department

Published: Oct 27, 2010



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



BRUCE TOWNSHIP SHEET INDEX

ROW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																		
1	01-19C	01-19D	01-19E	01-19F	01-19G	01-19H	01-19I	01-19J	01-19K	01-19L	01-19M	01-19N	01-19O	01-19P	01-19Q	01-19R	01-19S	01-19T	01-19U	01-19V	01-19W	01-19X	01-19Y	01-19Z	01-20A	01-20B	01-20C	01-20D	01-20E	01-20F	01-20G	01-20H	01-20I	01-20J	01-20K	01-20L	01-20M	01-20N	01-20O	01-20P	01-20Q	01-20R	01-20S	01-20T	01-20U	01-20V	01-20W	01-20X	01-20Y	01-20Z

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

AREA NUMBER (OVERLAYED ON CURRENT SURVEY)
 SUB AREA NUMBER (WITHIN CURRENT SURVEY)
 BLOCK NUMBER (WITHIN SUB AREA)
 PARCEL NUMBER (WITHIN BLOCK)

Legend

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

01-19H
 BRUCE TWP.
 E. 1/2 S.E. 1/4 SEC. 19 T. 5N. R. 12E.

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

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GIS MACOMB COUNTY
 Planning and Economic
 Development Department

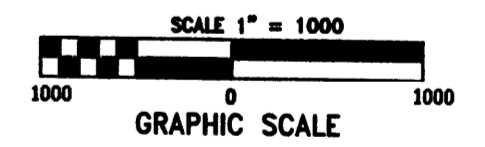
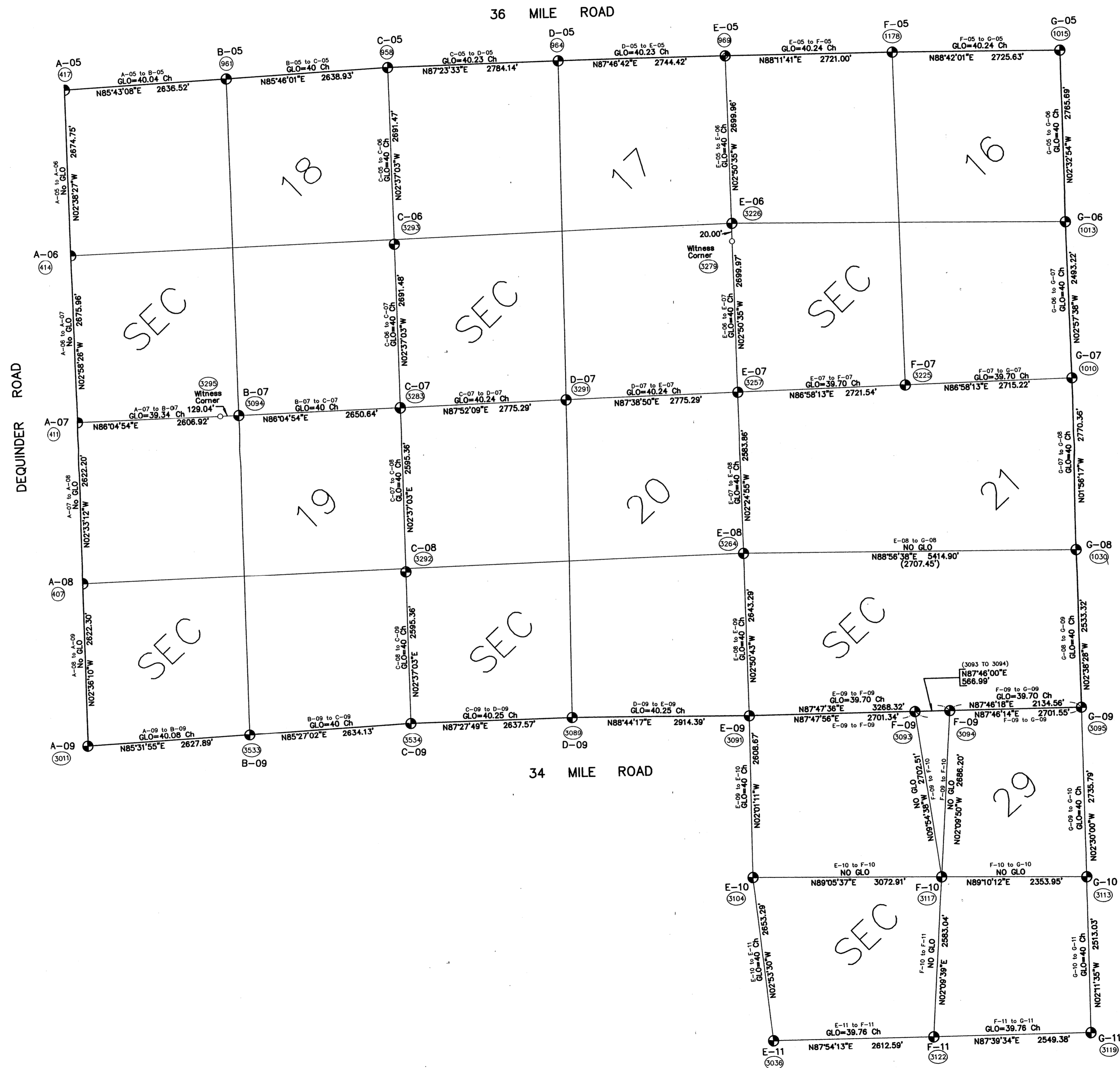
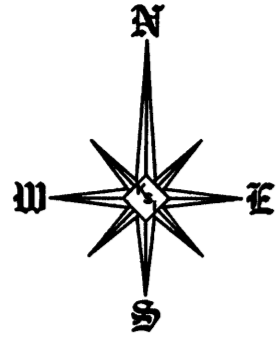
Published: Oct 27, 2010



Town 5 North Range 12 East.

51.14	W.C. 14 in Dr. Do. 20 N 47 E 78
80.00	Set front con. S. 19, 20, 29, 30 W.C. 18 S. 80 W 3 B.C. 24 S 74 E 23 Poor Billy Oak Land
East	On R.L. betw S. 20 + 29
40.00	Set line 1/2 m. front
44.14	Creek E2 South
80.50	Ent ^d N + S. line at front Poor Billy Oak Land
West	Marked betw S. 20 + 29
40.25	1/4 S. con. a W.C. 18 in Diameter
79.00	W.C. 16 in Dr.
West	Between S. 19 + 30
40.00	Set 1/2 mile front B.C. 10 S 13 E 1.32 Do. 5 N 86 W 70
80.08	Ent ^d R.L. 17 S where set front - W.C. 16 S 1/2 E 2.82 Do. 12 N 66 1/2 E Poor story burnt tim. Land -
North	Between S. 19 + 20
40.00	Set 1/2 m. front W.C. 8 N 110 W 4 B.C. 12 N 26 E 75
80.00	Set front con. S. 17, 18, 19, 20 W.C. 28 N 14 1/2 E 3.13 Do. 24 N 12 W 3.04 Very Poor Billy Oak Land

G-08



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-fordcoords	Job No. 13-ford1		

Data File = 96/96-4013