
**MACOMB COUNTY 2013 REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
E-06**

Section One

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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 16, no date

9. Map of Section 17, no date

10. Macomb County Composite Map 01-16A

11. Macomb County Composite Map 01-16E

12. Macomb County Composite Map 01-17D

13. Macomb County Composite Map 01-17H

Section Four

1. GLO Notes

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



**SOUTH
WITNESS
CORNER FOR
E-06
T5N, R12E,
BRUCE
TOWNSHIP**

© Documents and Settings\USER\Foxit Reader\WorldCNC - Remot...
Remot... corner 08/28/2016





2013
MACOMB COUNTY REMONUMENTATION GRANT
PROGRAM FOR BRUCE TOWNSHIP
E-06

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 West ¼ corner of Section 16 and the East ¼ corner of Section 17.

WITNESSES: (Based upon Government Survey Records)

10" White Oak N3°E 76 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 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. I did not find any recorded information or field evidence that I could use to re-establish this corner (E-06).

I am treating E-06 as a lost corner and using the government instructions to re-establish a interior section corner, single proportionate measurement. The re-established corner falls in the existing centerline of Precision Steering Evaluation (PSE) Drive, the outside loop, which has a bituminous surface extending in a southeast and southwest direction. I was not allowed to set the required monumentation with a monument box in (PSE) Drive. I am therefore, establishing a witness corner on the line 20.00 feet south of E-06.

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

E-06 to E-05

GLO = 40 chains or 2640.00 Ft.
N02°50'36" W 2669.96 Ft. (mea. 2013)

E-06 to E-07

GLO = 40 chains or 2640.00 Ft.
S02°50'36" E 2669.96 Ft. (mea. 2013)

E-06 to Witness Corner

S02°50'36" E 20.00 Ft.

E-06 to D-06

No GLO
I didn't recover this corner

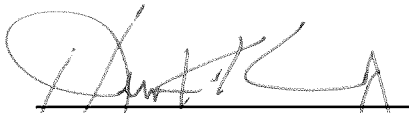
E-06 to F-06

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 (E-06) 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-06 as a lost corner and using the methodology as described on the previous page to calculate the location for E-06 along with a witness corner. I am, therefore, recommending to the Macomb County Peer Group that they accept the calculated location for E-06 along with the witness 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 County Located in Bruce Township Corner Code E-06

1. Public Land Survey	T	5N	R	12E	E-06
	T		R		Wit. corner
	T		R		
	T		R		
2. Property Controlling in Section	S		T		
	S		T		
3. Miscellaneous Property in Sec.	S		T		
	S		T		

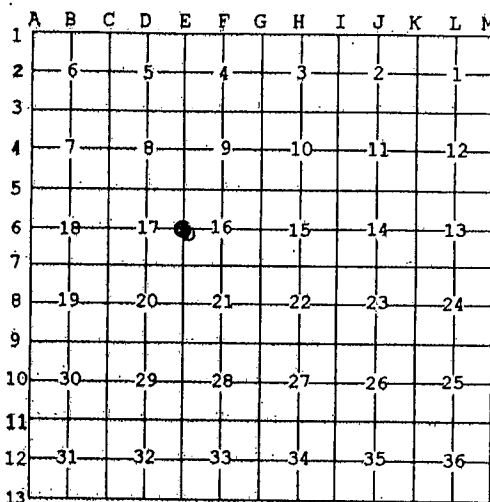
3169756 PAGE 1 OF 2
LIBER 22537 PAGE 392
11/12/2013 10:17:32 A.M.
MACOMB COUNTY, MI SEAL
CARNELLA SABAUGH, REGISTER OF DEEDS

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.



A. Description of original monument and accessories and/or subsequent restoration:
1.) 1817-Wampler, D.S., 10" White Oak N3°E 76 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 very difficult site for a surveyor to gain access to.

I am treating E-06 as a lost corner and using the government instructions to re-establish a interior section corner, single proportionate measurement The re-established corner falls in the existing centerline of Precision Steering Evaluation (PSE) Drive, the outside loop, which has a bituminous surface extending in a southeast and southwest direction. I was not allowed to set the required monumentation with a monument box in (PSE) Drive. I am therefore, establishing a witness corner on the line 20.00 feet south of E-06.

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:
E-06 (Witness Corner) 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"
S05°E 129.65' Set #60d nail w/washer stamped "Macomb County Witness Tag" east face 12" Oak
S05°W 92.16' Set #60d nail w/washer stamped "Macomb County Witness Tag" east face 12" Oak
S66°W 81.71' Cut "x" on top of 18" concrete end section
N18°W 88.06' Set #60d nail w/washer stamped "Macomb County Witness Tag" NE face 18" Box Elder
N2°W 20.00' E-06, T5N, R12E, Bruce Township (not monumented)

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 30, 2013

Surveyor's Michigan License No.: 17623



C

TOWN 5 NORTH, RANGE 12 EAST, BRUCE TOWNSHIP (E-06)

Section "B" cont.

RECORDED, UNRECORDED AND FIELD MEASUREMENTS BETWEEN CORNERS

E-06 to E-05

GLO = 40 chains or 2640.00 Ft.
N02°50'36" W 2669.96 Ft. (mea. 2013)

Liber 22537 Page 393

E-06 to E-07

GLO = 40 chains or 2640.00 Ft.
S02°50'36" E 2669.96 Ft. (mea. 2013)

E-06 to Witness Corner

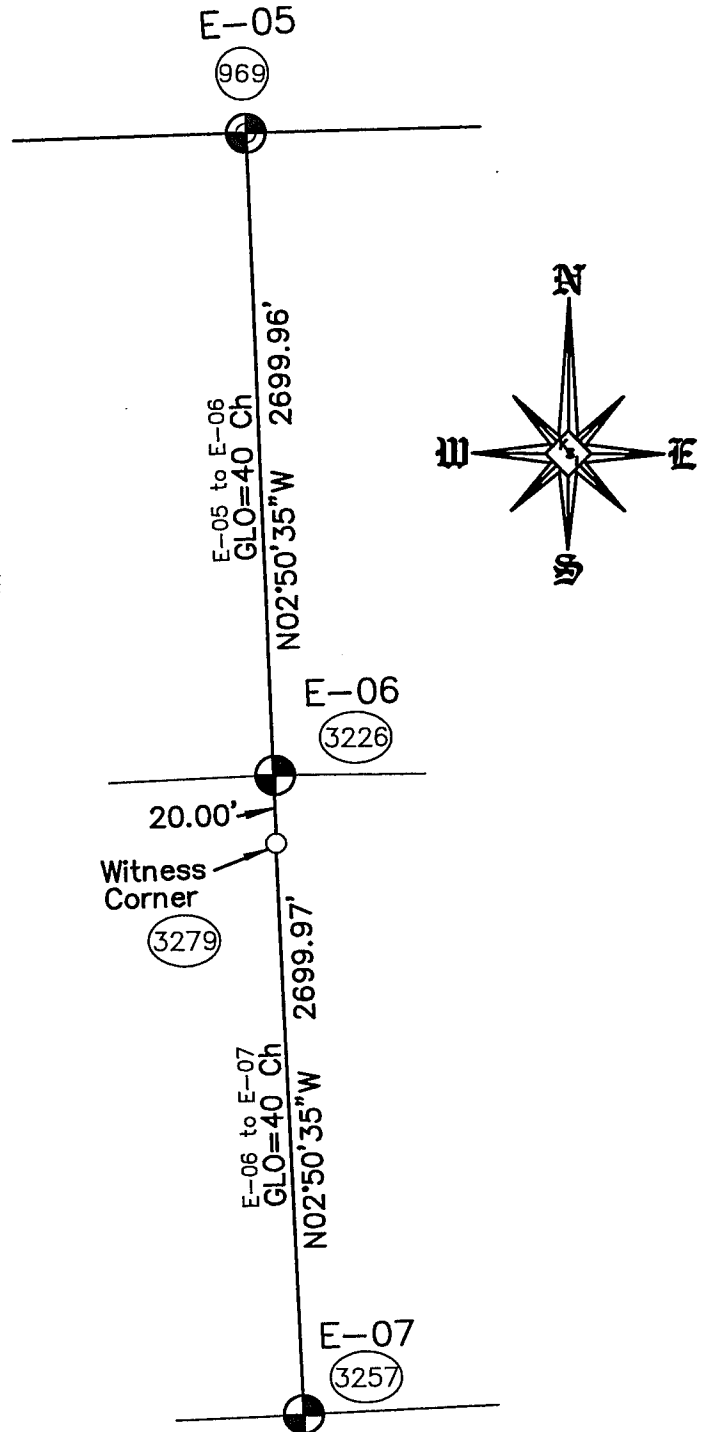
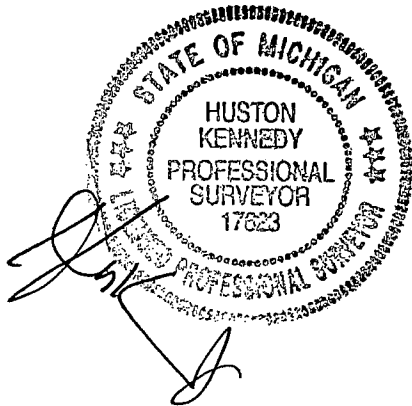
S02°50'36" E 20.00 Ft.

E-06 to D-06

No GLO
I didn't recover this corner

E-06 to F-06

No GLO
I didn't recover this corner



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

Martin C. Dunn
MARTIN C. DUNN, P.S. CHAIRMAN

**2013
MACOMB COUNTY REMONUMENTATION
E-06 BRUCE TOWNSHIP**

Pgs. 1-7

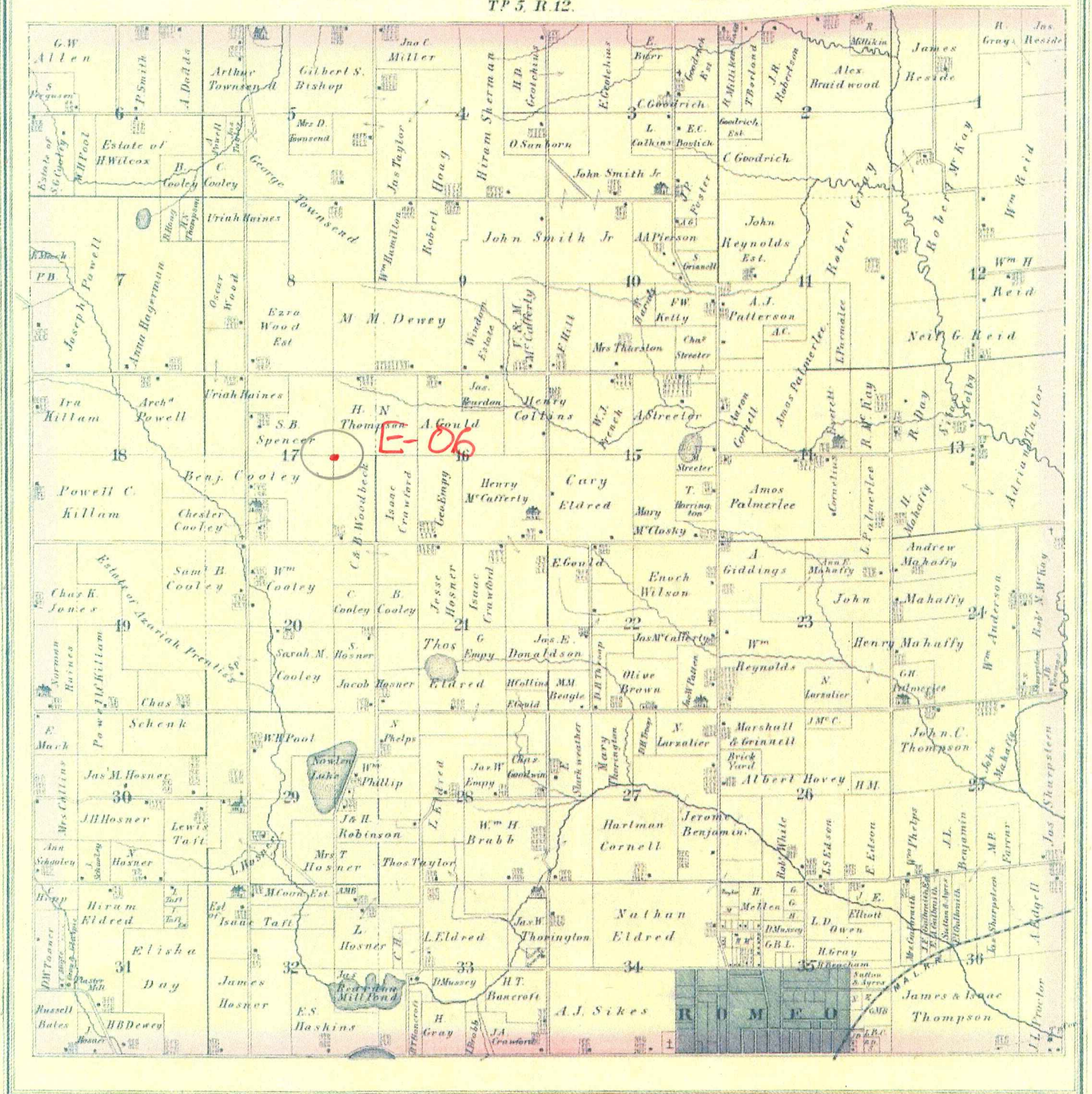


AP 3212 to Pt 3269 (HL)	3213-3269	89.87	
3269 02-35-50			
3270 45-09-40	HL	20.36	
3271 167-42-15		44.55	
AP 3213 to Pt 3266 (HL)	3267-3266		
3266 07-13-30		108.16	
3272 156-21-20		114.43	
AP 3213 to Pt 3273 (HL)	3268-3273		
3273 168-10-35		31.60	
3274 165-27-25		170.21	
9073 (HA)			
9074 (HA)			

AP 3212 to Pt 3266 (HL)	3213-3266		
1 26-07-32		49.50	
2			
M			
AP 3212 to Pt 3265 (HL)	3213-3265		
3265 190-28-40		206.32	
3266			
AP 3212 to Pt 3267 (HR)	3213-3267		
1 167-20-40		378.17	
2 334-41-20			
M 167-20-40			
AP 3212 to Pt 3268 (HL)	3213-3268		
1 80-07-15		147.86	
2 160-14-40			
M 80-07-20			

MAP OF BRUCE TOWNSHIP

TP 5, R 12.

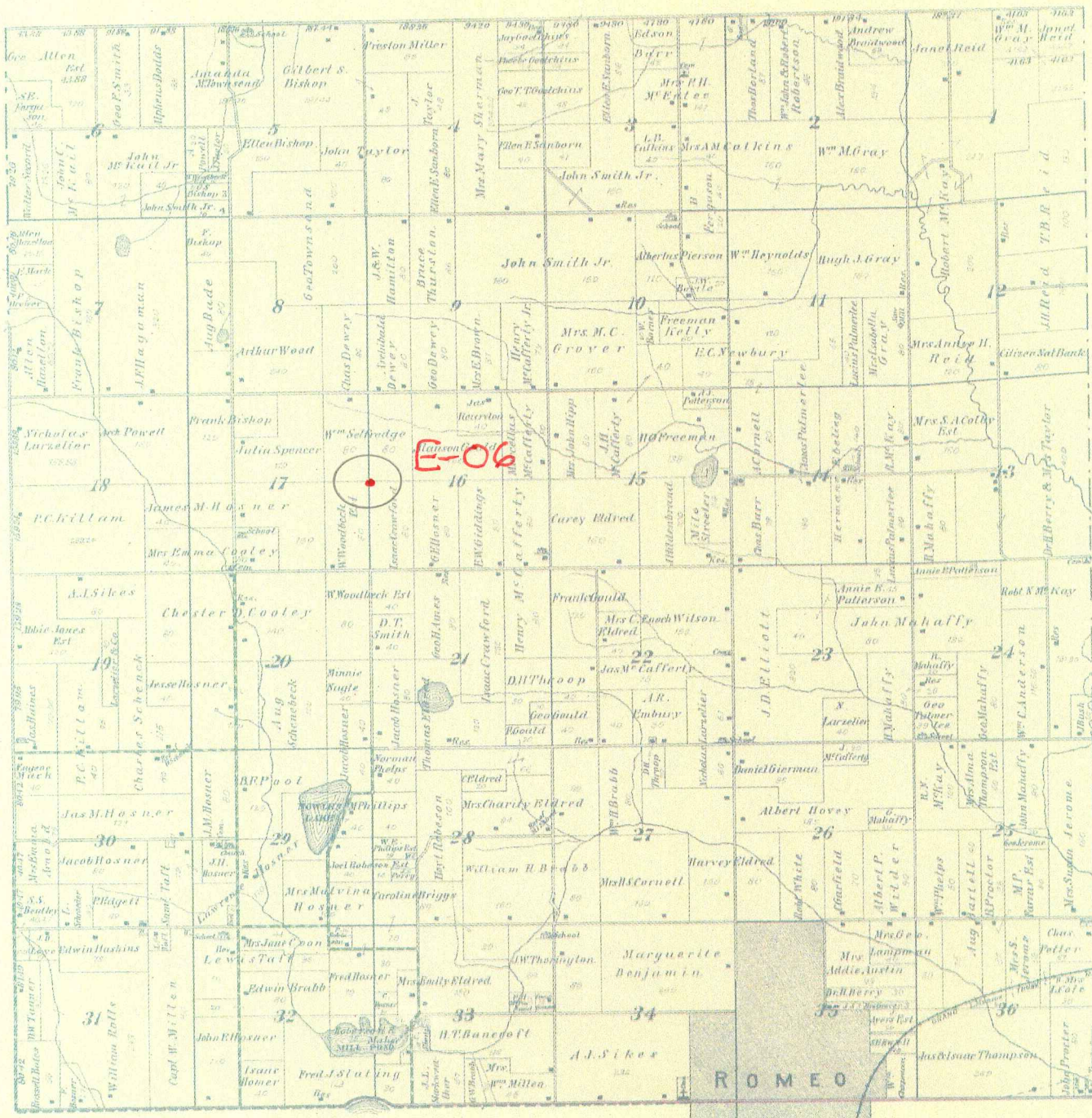


MAP OF BRUCE

Township 5 North Range 12 East

Scale 2 Inches to one Mile.

of the Meridian of Michigan



ROMEO

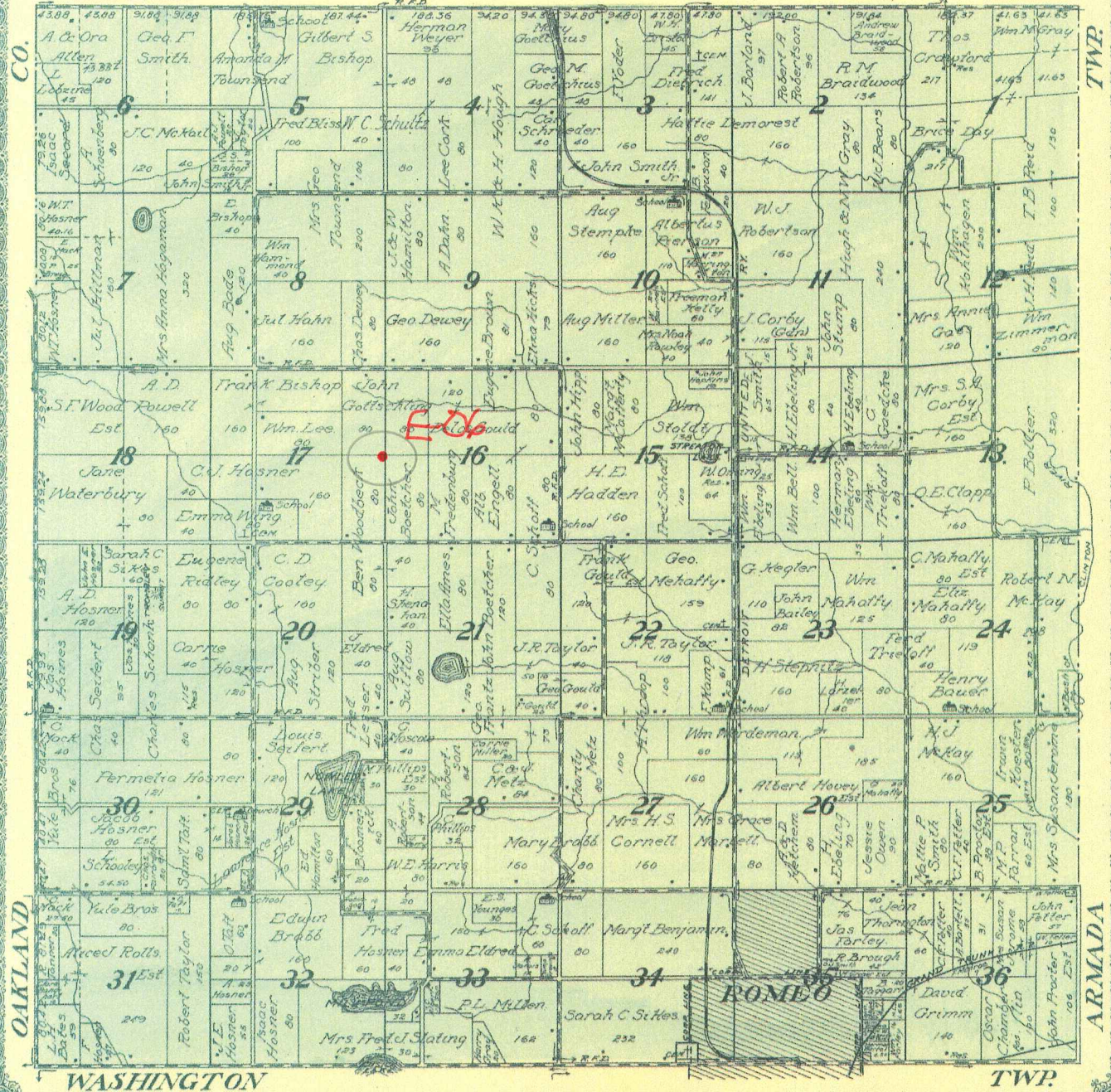
5 1895

MAP OF
BRUCE
TOWNSHIP
Scale 2 inches to 1 mile

Township 5 North, Range 12 East of the Michigan Meridian

LAPEER

CO.



OAKLAND

ARMADA

WASHINGTON

TWP.

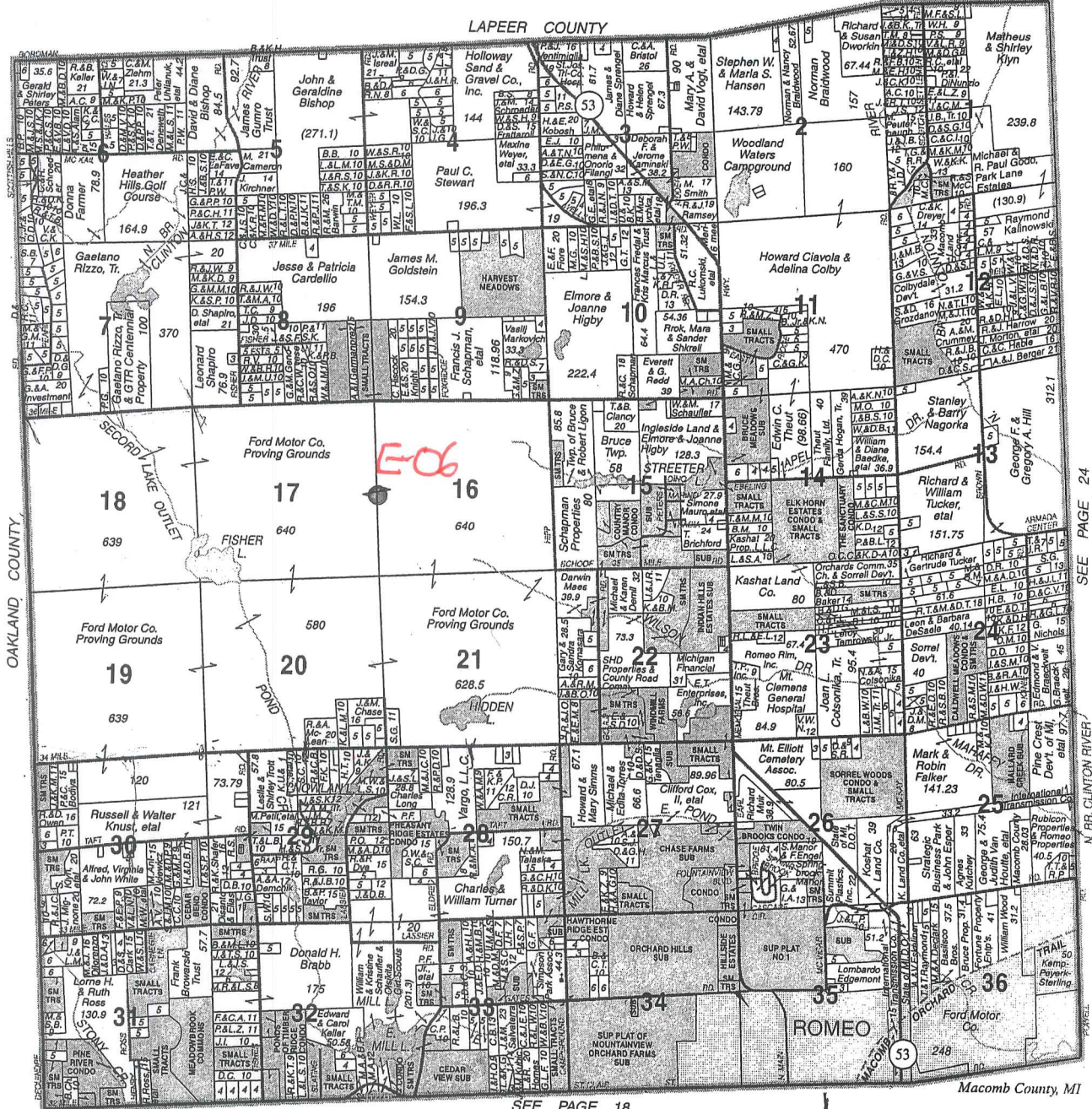
TWP.

ARMADA

6 1916

BRUCE

T.5N.-R.12E.



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SEE PAGE 18

Macomb County, MI

2006

SEE PAGE 24

SERVING MACOMB & ST. CLAIR COUNTIES

ELMLANDS REALTY

HOURS: 9-6 MONDAY-SATURDAY & BY APPOINTMENT

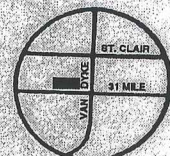
OVER 40 YEARS OF RELIABLE SERVICE

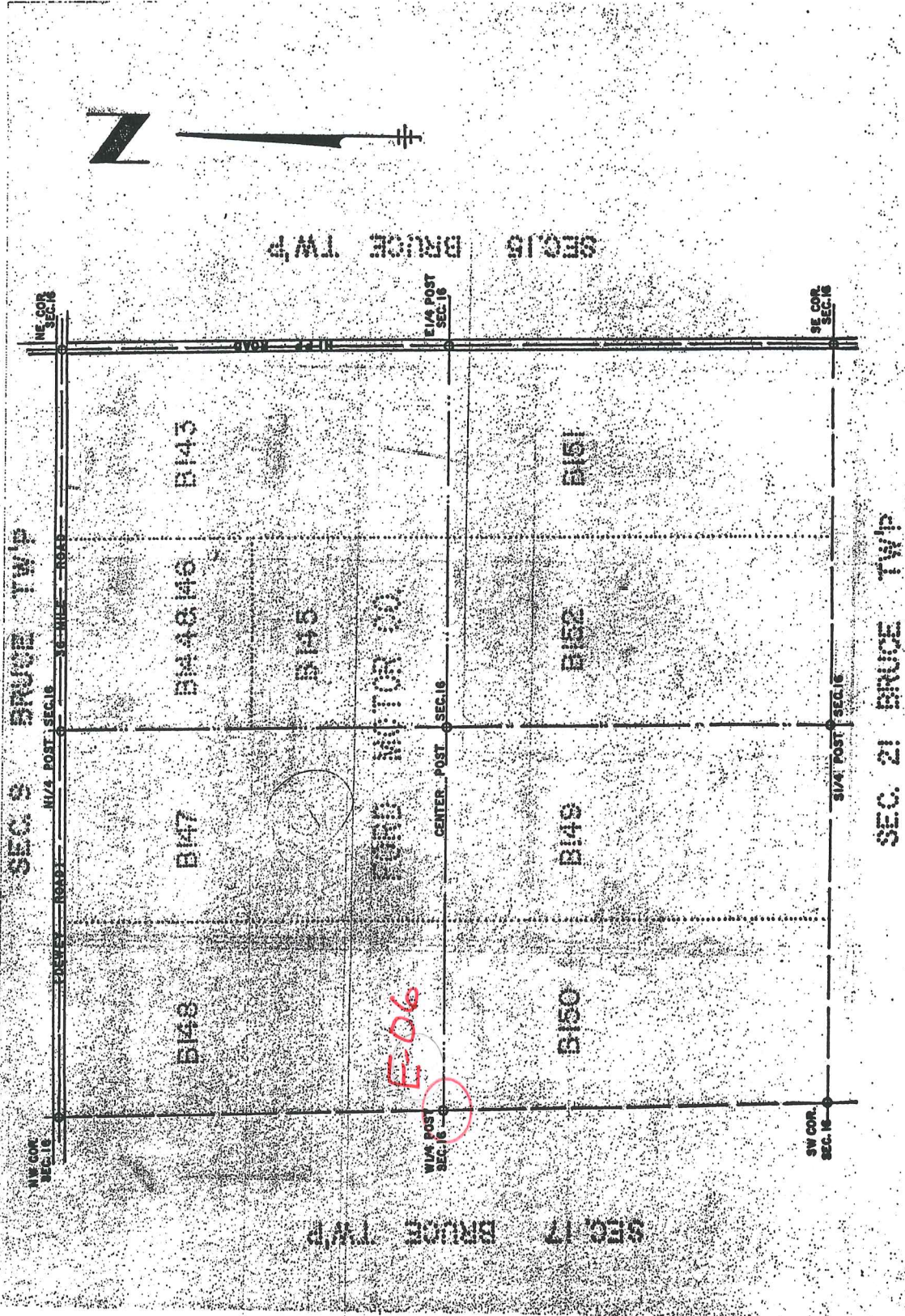
Specializing In.

New & Used Homes • Vacant Property • Farms & Acreage
Industrial Property - Commercial Property Real Estate



586-752-3772
67091 VAN DYKE
ROMEO



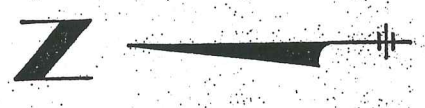
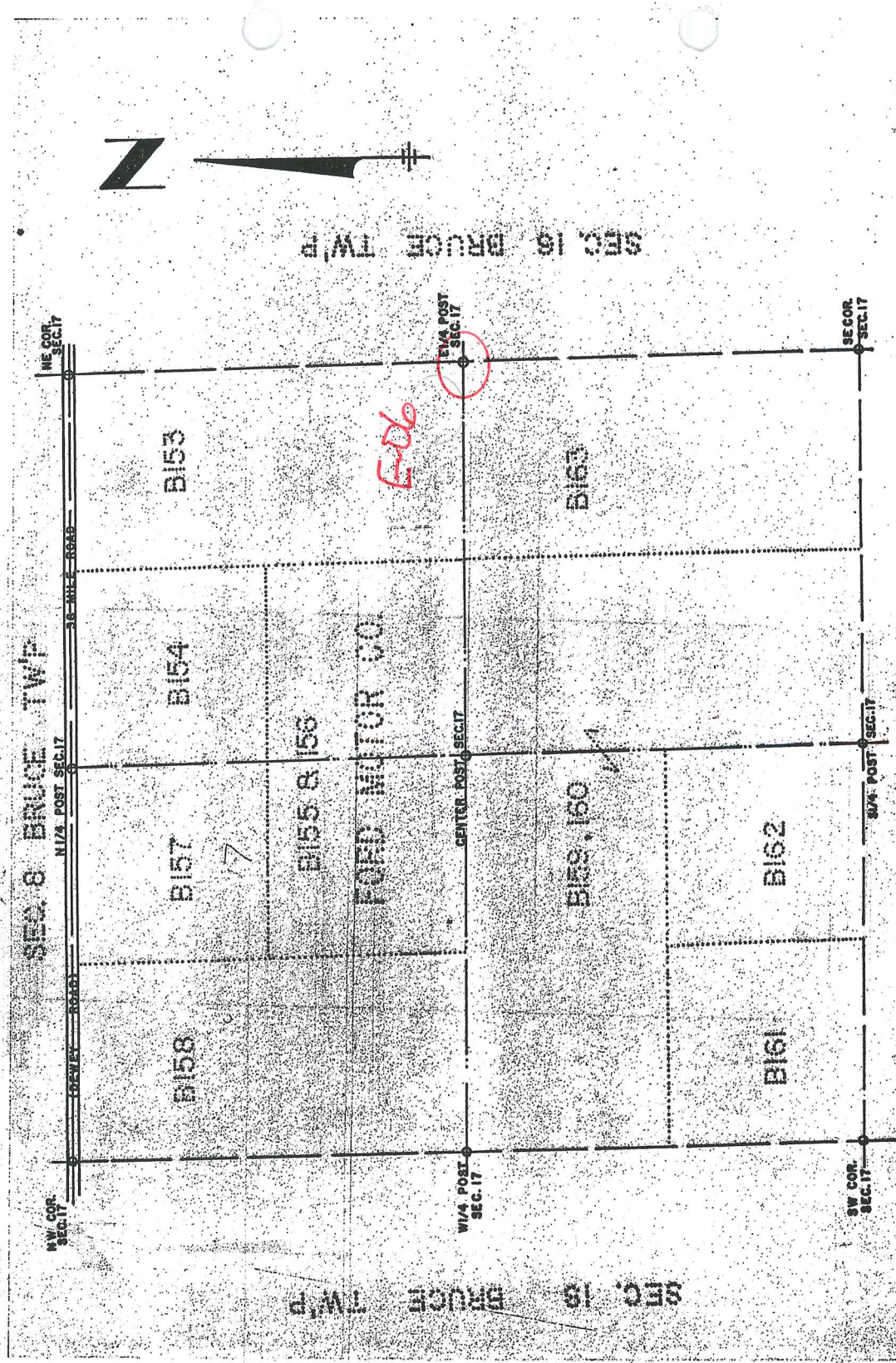


T. 5 N
 R. 12 E
 BRUCE TWP
 SCALE 1" = 400'

16

SHEET NO. 16

Ca



17

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

SHEET NO. 17

SEC. 20 BRUCE TWP

19

F-06
01-17B

01-16A

01-16B

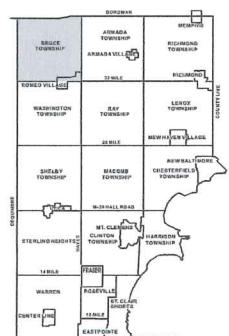
01-16E



01-17A

01-10

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



BRUCE TOWNSHIP SHEET INDEX

Table with columns for BORDMAN, BRUCE, and BORDMAN, listing various parcels and their corresponding sheet numbers.

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER

13-19-302-018

Legend defining symbols for Platted Area Boundary Line, Property Line, Property Split Line, Property Combined Line, Township Boundary Line, Traverse Line, Dimension Extent Marks, and Dimension Start Marks.

01-16E

Previously part of 01-J
BRUCE TWP.
W. 1/2 S.W. 1/4 SEC. 16 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

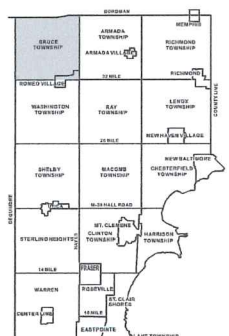
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Published: Oct 27, 2010

11



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



BRUCE TOWNSHIP SHEET INDEX

BORDMAN	
13-19-302-018-001	13-19-302-018-018
13-19-302-018-002	13-19-302-018-019
13-19-302-018-003	13-19-302-018-020
13-19-302-018-004	13-19-302-018-021
13-19-302-018-005	13-19-302-018-022
13-19-302-018-006	13-19-302-018-023
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13-19-302-018-080	13-19-302-018-097
13-19-302-018-081	13-19-302-018-098
13-19-302-018-082	13-19-302-018-099
13-19-302-018-083	13-19-302-018-100

DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER

13-19-302-018 **E-001-17D**
 AREA NUMBER (PLATTED AREA OR PROPERTY)
 SUB AREA NUMBER (IF APPLICABLE)
 BLOCK NUMBER (IF APPLICABLE)
 PARCEL NUMBER (IF APPLICABLE)

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

BRUCE TWP.
 E. 1/2 N.E. 1/4 SEC. 17 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)469-5265.



GIS **MACOMB COUNTY**
 Planning and Economic Development Department

Published: Oct 27, 2010

12

F-06

01-17C

01-17D

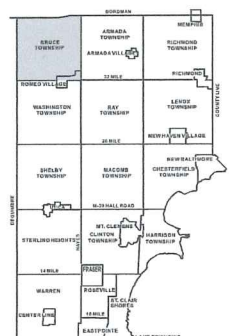
01-17H



01-17G

01-17E

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



BRUCE TOWNSHIP SHEET INDEX

BORDMAN	
BRD-01	BRD-02
BRD-03	BRD-04
BRD-05	BRD-06
BRD-07	BRD-08
BRD-09	BRD-10
BRD-11	BRD-12
BRD-13	BRD-14
BRD-15	BRD-16
BRD-17	BRD-18
BRD-19	BRD-20
BRD-21	BRD-22
BRD-23	BRD-24
BRD-25	BRD-26
BRD-27	BRD-28
BRD-29	BRD-30
BRD-31	BRD-32
BRD-33	BRD-34
BRD-35	BRD-36
BRD-37	BRD-38
BRD-39	BRD-40
BRD-41	BRD-42
BRD-43	BRD-44
BRD-45	BRD-46
BRD-47	BRD-48
BRD-49	BRD-50
BRD-51	BRD-52
BRD-53	BRD-54
BRD-55	BRD-56
BRD-57	BRD-58
BRD-59	BRD-60
BRD-61	BRD-62
BRD-63	BRD-64
BRD-65	BRD-66
BRD-67	BRD-68
BRD-69	BRD-70
BRD-71	BRD-72
BRD-73	BRD-74
BRD-75	BRD-76
BRD-77	BRD-78
BRD-79	BRD-80
BRD-81	BRD-82
BRD-83	BRD-84
BRD-85	BRD-86
BRD-87	BRD-88
BRD-89	BRD-90
BRD-91	BRD-92
BRD-93	BRD-94
BRD-95	BRD-96
BRD-97	BRD-98
BRD-99	BRD-100

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

01-17H

Previously part of 01-1H
BRUCE TWP.
 E. 1/2 S.E. 1/4 SEC. 17 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.

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GIS MACOMB COUNTY
 Planning and Economic
 Development Department

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Town 5 North Range 12 East.

West Bets S. 16+2139.70 Moved tim 1/2 m. fr. to ar. D.
B.O. 6 S 60 W 30
Do. 7-N 28 E 22North Bets S. 16+17

40.00 Set 1/2 mile post

W 10 N 3 S 76
no other near E-0660.50 Out^d swamp.

77.50 Left Do.

80.00 Set post cor. S. 8, 9, 16, 17

Lynn 8 N 7 S 44

M.C. 12 S 15 W 25

Very Poor brushy burnt timber land

East On R.L. bet S. 9+1640.00 Set tim 1/2 m. post

64.70 Run 6 lks S.E.

80.48 Out^d N+ S line 30 lks N

Poor brushy burnt timber land

West Corrected bet S. 9+16110.24 Moved tim 1/2 m. fr to ar D

Aspen 10 N 41 E 35

no other near

North Between S. 8+921.50 Out^d swamp.

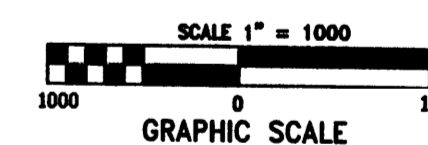
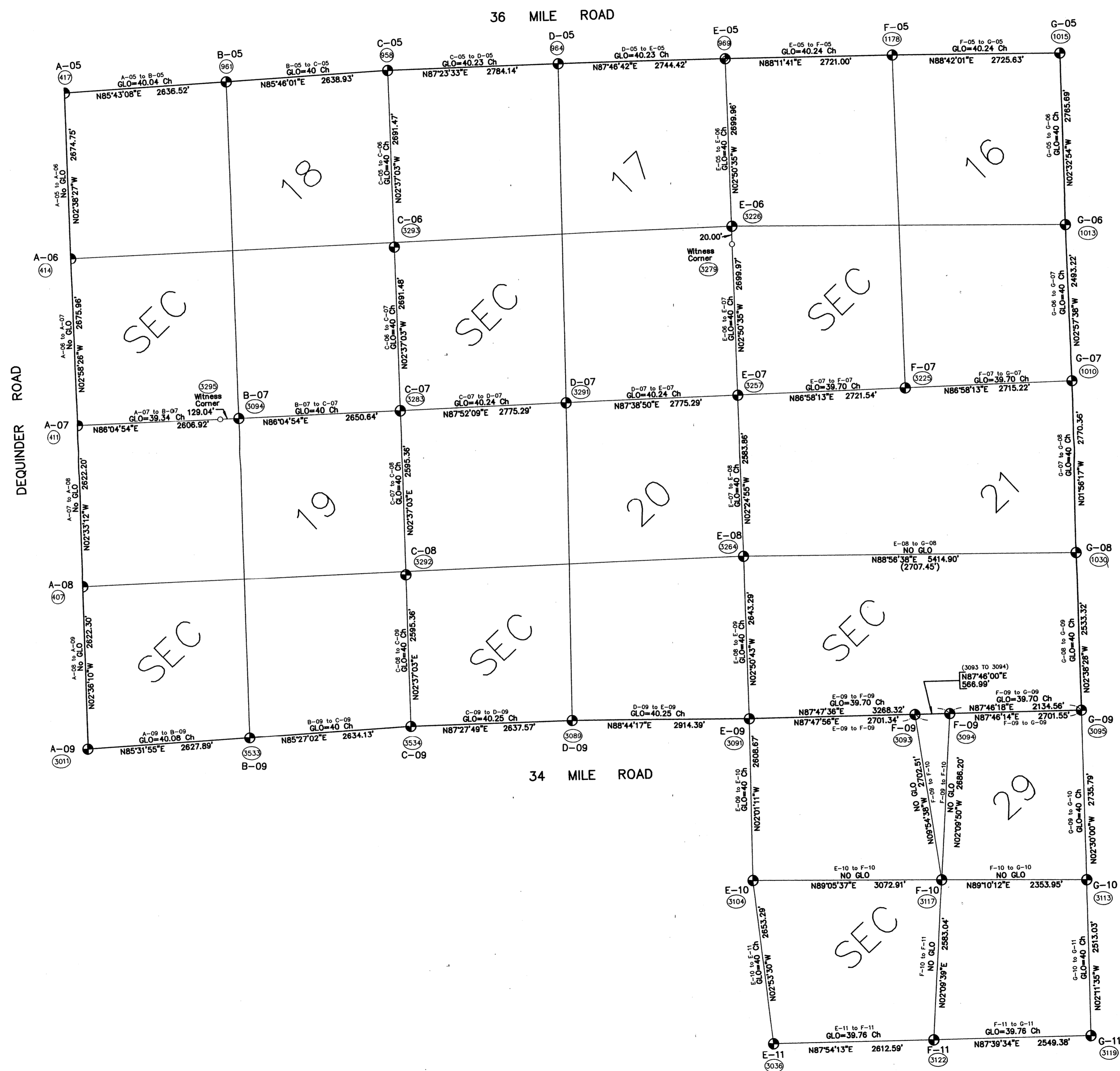
40.00 Set 1/2 mi. post

Town 16 N 5 S 8 E 6

Cedar 14 S 60 W 14

46.50 Left swamp

79.00 Out^d brushy swamp80.00 Set post cor. S. 8, 9



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

I:\landproj\13-fordcoords\13-ford1.dwg Fri Oct 25 13:16:29 2013 Don