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

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 17, no date

8. Map of Section 18, no date

9. Macomb County Composite Map 01-17A

10. Macomb County Composite Map 01-17E

11. Macomb County Composite Map 01-18D

12. Macomb County Composite Map 01-18H

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-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 $\frac{1}{4}$ corner of Section 17 and the East $\frac{1}{4}$ corner of Section 18

WITNESSES: (Based upon Government Survey Records)

8" Ash	N79°E	10 Links
14" Ash	N16°W	10 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-06).

I am treating C-06 as a lost corner and using government instructions, single proportionate measurement to re-establish an interior section corner. The re-established corner falls on the north edge of a 10 to 12 foot wide gravel trail extending in a east and west direction. The corner falls on the west side of a 18" CSP 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-06 to C-05

GLO = 40 chains or 2640.00 Ft.
N02°37'03" W 2691.47 Ft. (mea. 2013)

C-06 to C-07

GLO = 40 chains or 2640.00 Ft.
S02°37'03" E 2691.48 Ft. (mea. 2013)

C-06 to B-06

No GLO
I didn't recover this corner

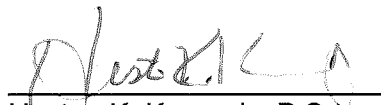
C-06 to D-06

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 (C-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 C-06 as a lost corner and using the methodology as described on the previous page to re-establish C-06. I am, therefore, recommending to the Macomb County Peer Group that they accept the re-established location for C-06 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-06
County

1. Public Land Survey	T	5N	R	12E	C-06
	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		

3171116 PAGE 1 OF 2
LIBER 22543 PAGE 910
11/14/2013 02:26:03 P.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	10	●	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" Ash N79°E 10 Links; 14" Ash N16°W 10 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 area for a surveyor to gain access to.

I am treating C-06 as a lost corner and using government instructions, single proportionate measurement to re-establish a interior section corner. The re-established corner falls on the north edge of a 10 to 12 foot wide gravel trail extending in a east and west direction. The corner falls on the west side of a 18" CSP 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-06 Set a 4" diameter 36" long concrete monument with a 1/2" iron rod w/2" diameter aluminum cap stamped "Macomb County Monument, MI Act #345, PS #17623"
S07°E 29.38' Set #60d nail w/washer stamped "Macomb County Witness Tag" west face 29" Poplar
S17°W 38.85' Set #60d nail w/washer stamped "Macomb County Witness Tag" NW face 40" Oak
N70°E 36.71' Set #60d nail w/washer stamped "Macomb County Witness Tag" south face 28" Poplar
N63°W 58.36' Set #60d nail w/washer stamped "Macomb County Witness Tag" south face 25" Willow
Due North 16.90' north end of a 18" CSP
Due South 36.90' north end of a 18" CSP

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
HUSTON KENNEDY
17623
REVISOR: JAMES J. HARRIS, JR., REGISTERED PROFESSIONAL SURVEYOR
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
Martin C. Dunn
MARTIN C. DUNN, P.S. CHAIRMAN

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

Section "B" cont.

C-06 to C-05

GLO = 40 chains or 2640.00 Ft.
N02°37'03" W 2691.47 Ft. (mea. 2013)

C-06 to C-07

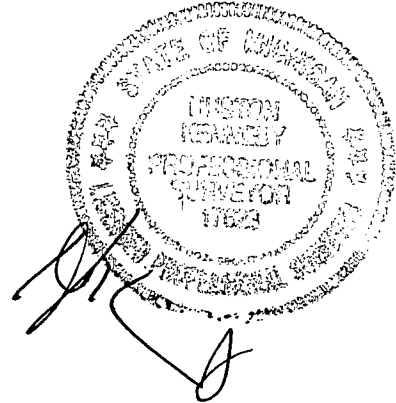
GLO = 40 chains or 2640.00 Ft.
S02°37'03" E 2691.48 Ft. (mea. 2013)

C-06 to B-06

No GLO
I didn't recover this corner

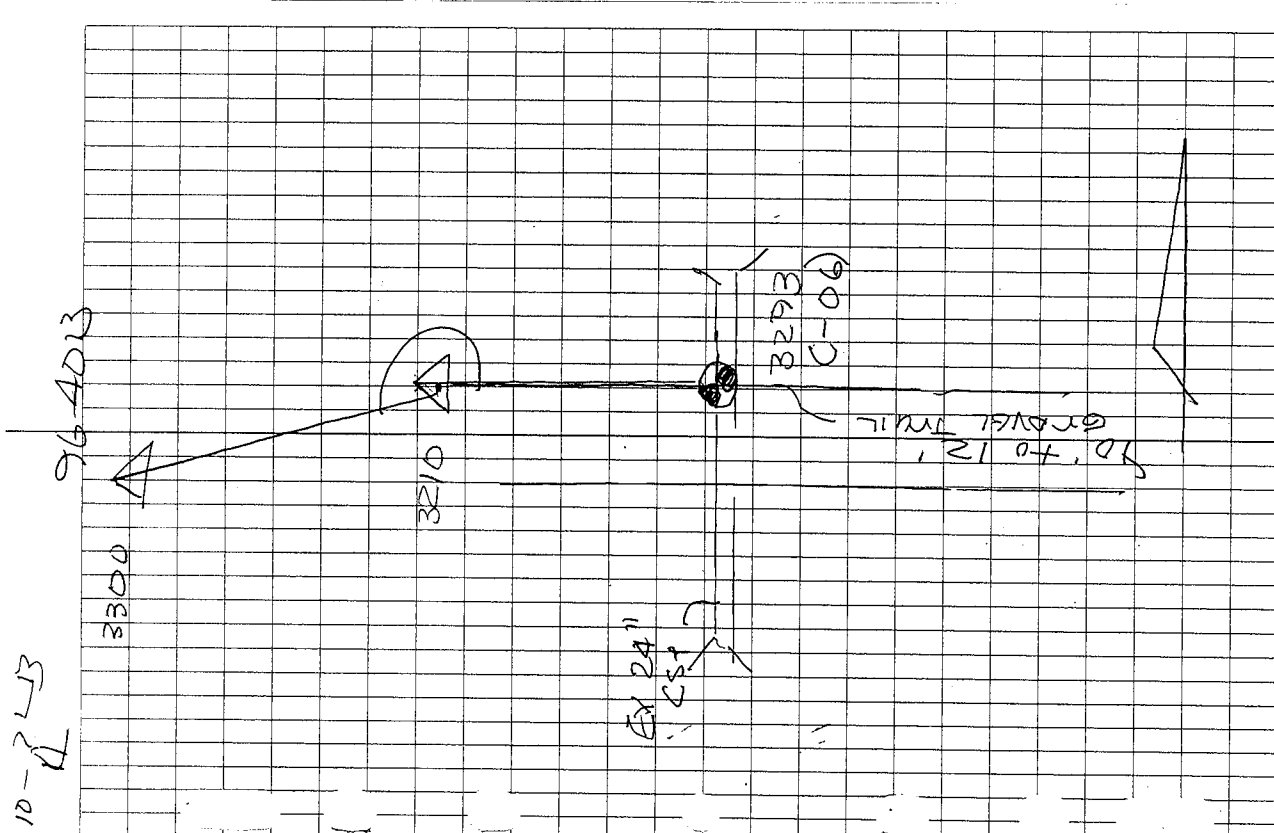
C-06 to D-06

No GLO
I didn't recover this corner



2013
MACOMB COUNTY REMONUMENTATION
C-06 BRUCE TOWNSHIP

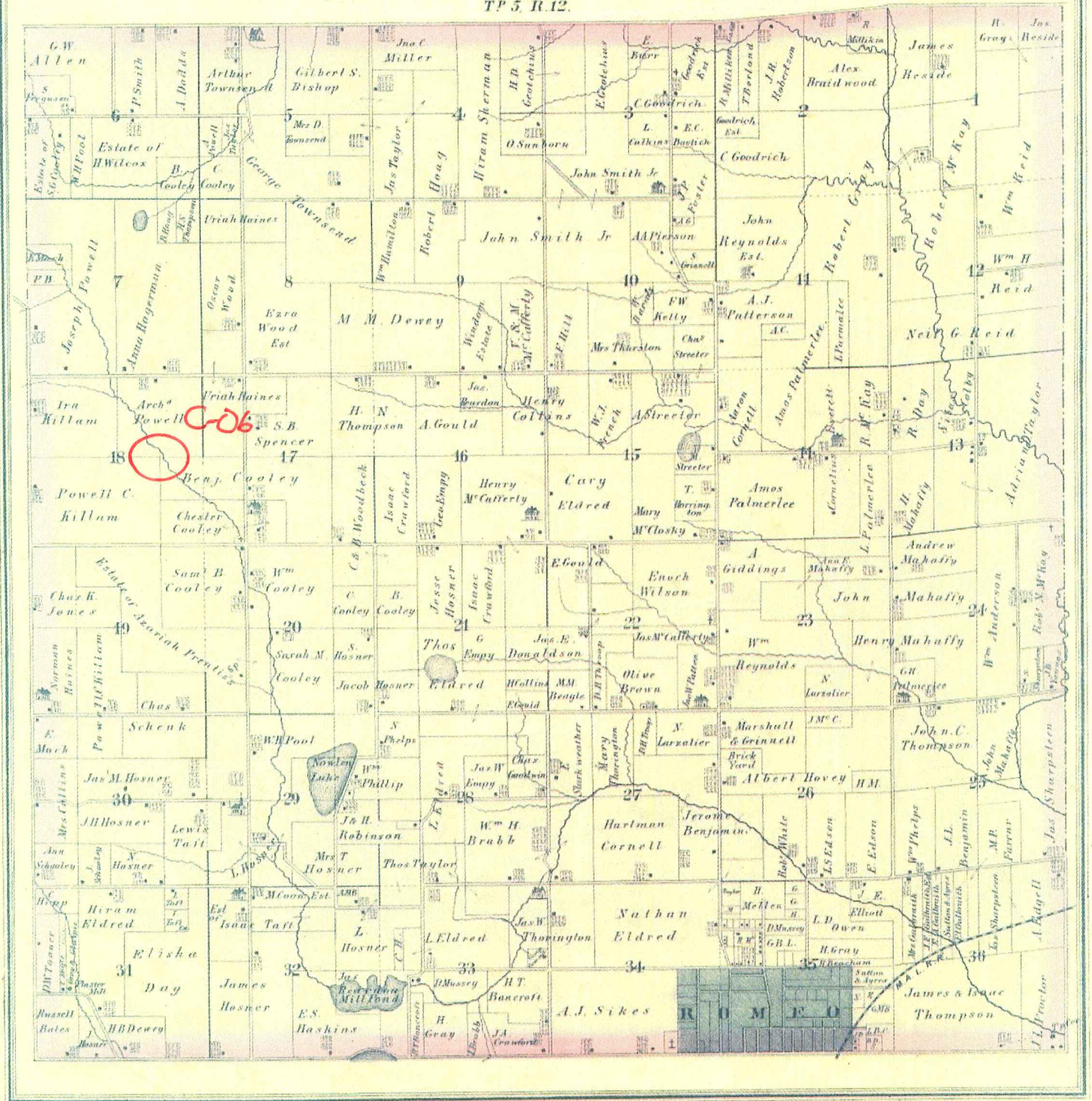
Pgs. 1-2



XP (3300 TO P 3293 (HP))	3210-3293	
L 182-30-35	104.14	
M 365-01-10	104.14	
M 182-30-35		
	3210-3300	
	189.72	

MAP OF BRUCE TOWNSHIP

TP 5, R. 12.



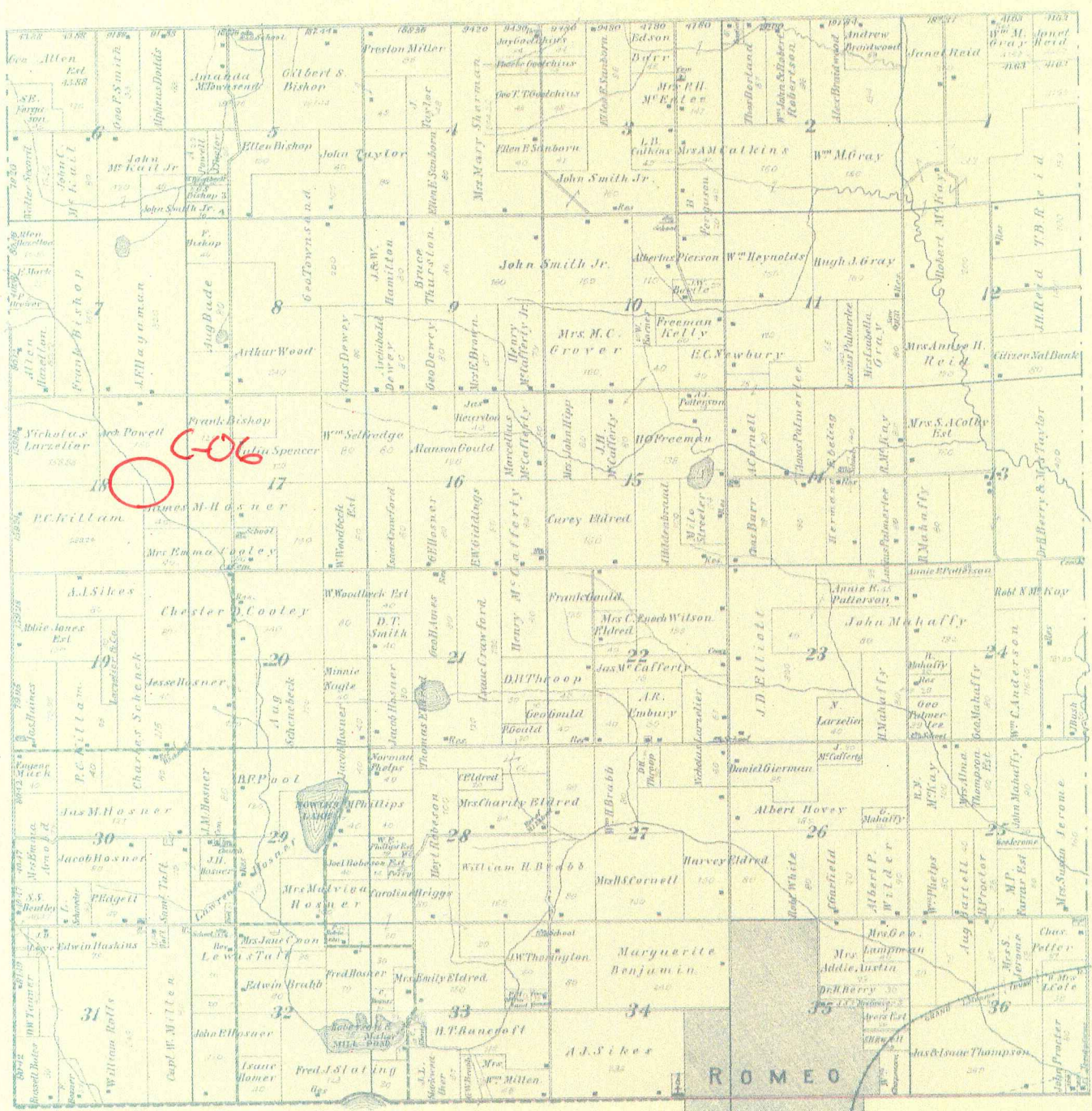
③ 1875

MAP OF BRUCE

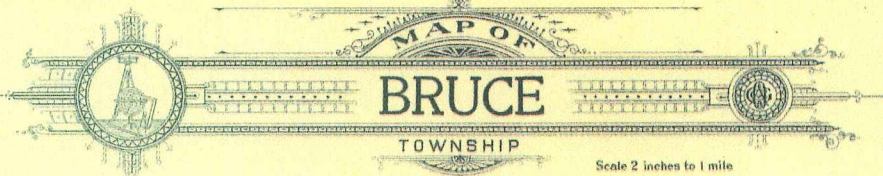
Township 5 North Range 12 East

Scale 2 Inches to one Mile.

of the Meridian of Michigan

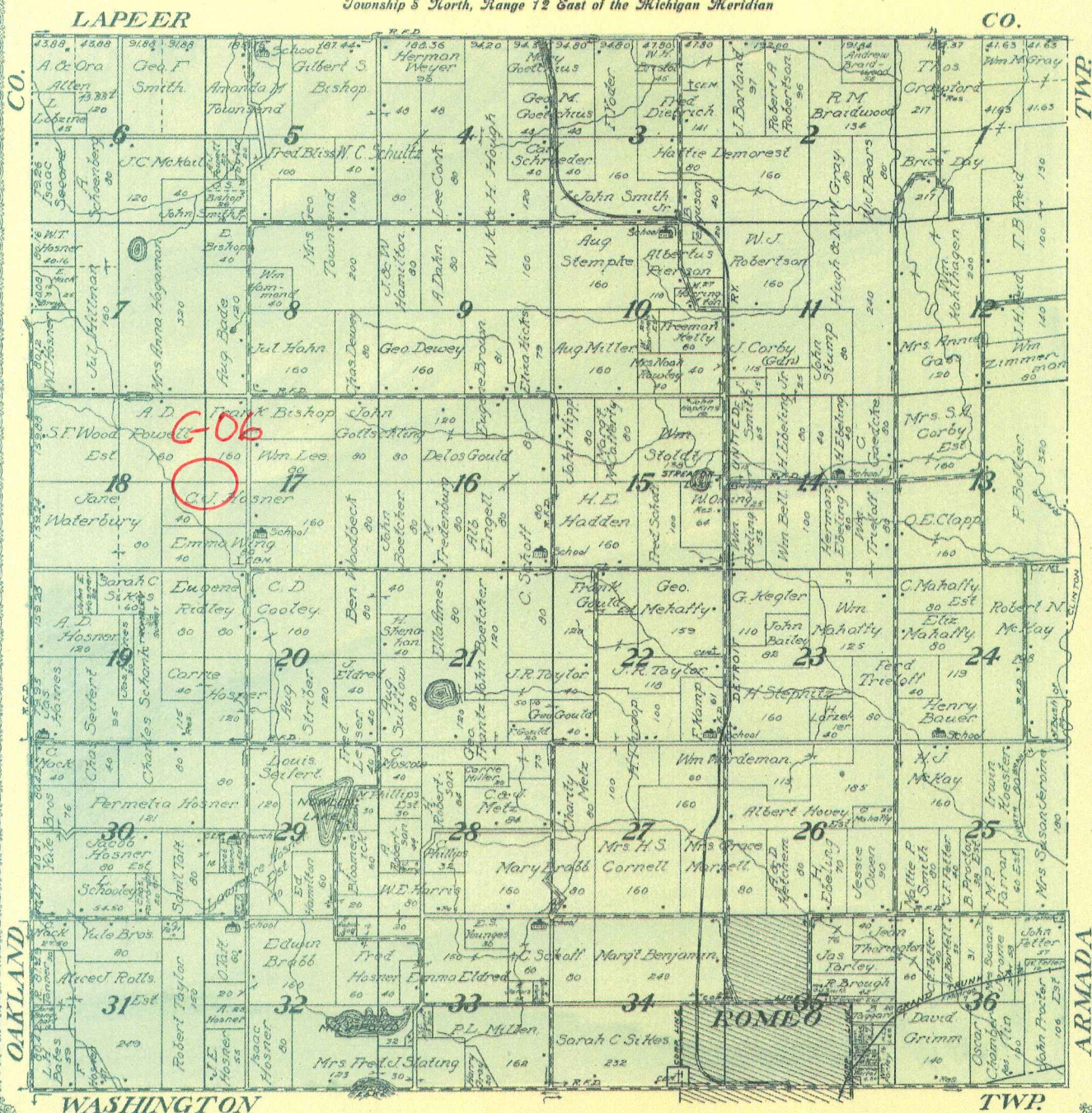


4 1895

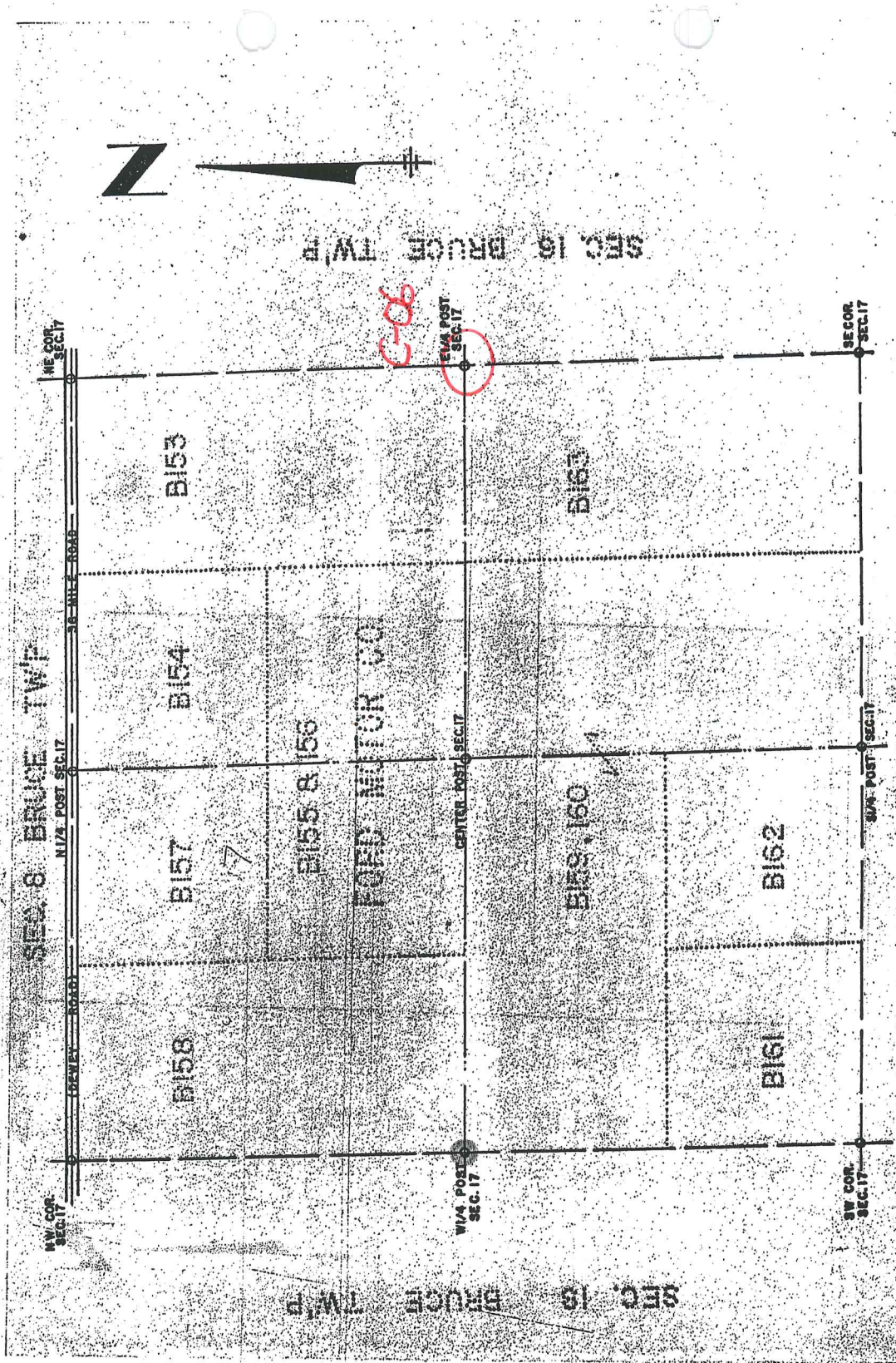


MAP OF
BRUCE
 TOWNSHIP
 Scale 2 inches to 1 mile

Township 5 North, Range 12 East of the Michigan Meridian



5 1916



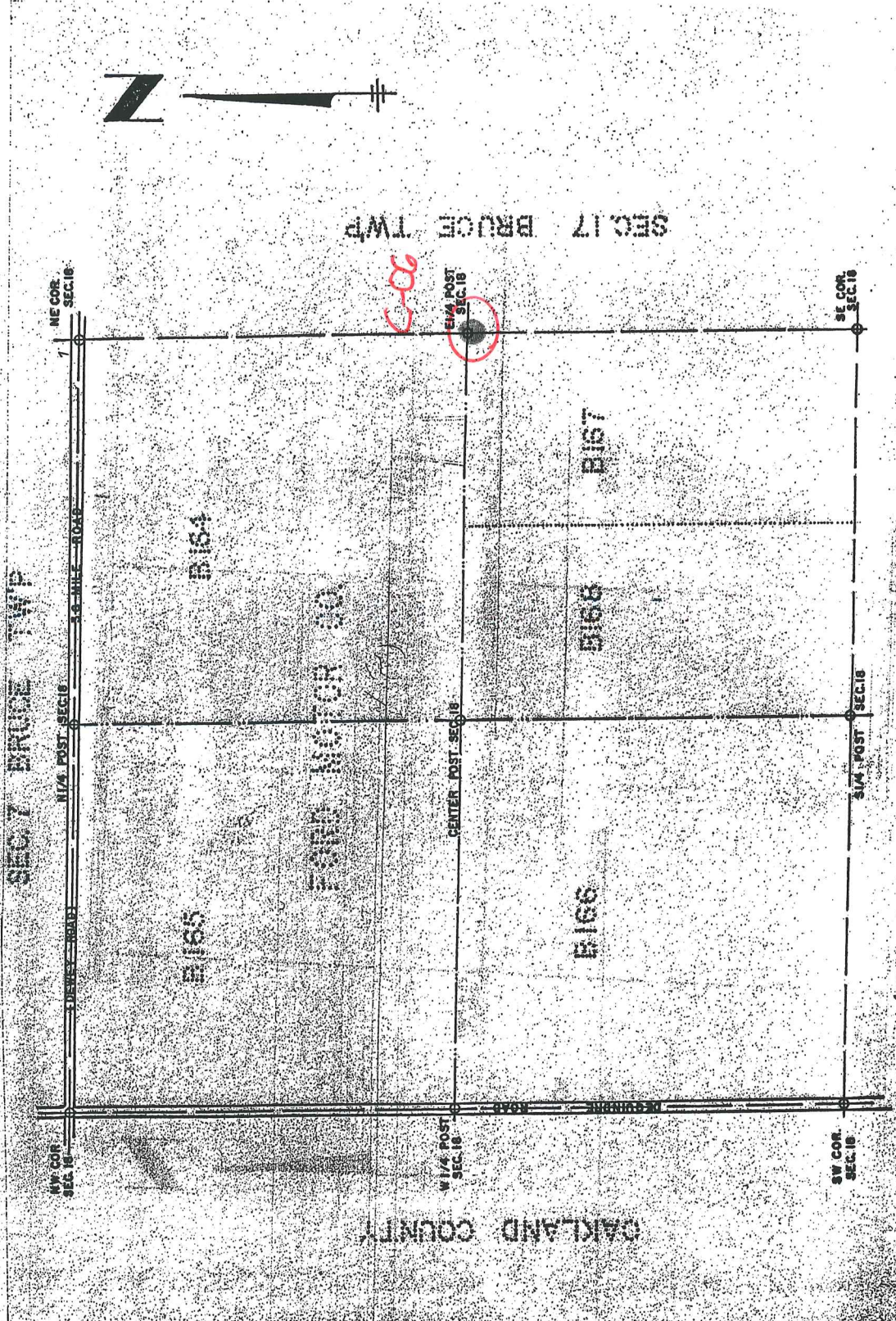
T 5 N
 BRUCE TWP
 SCALE 1" = 400'
 17

SEC. 8 BRUCE TWP

SEC. 20 BRUCE TWP

SHEET NO 17

7



SECT. 17 BRUCE TWP

OAKLAND COUNTY

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

18

SHEET NO. 18

18





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

BRUCE TOWNSHIP SHEET INDEX

TOWNSHIP	BOROMAN		DEQUINNE	
	AREA NUMBER	PARCEL NUMBER	AREA NUMBER	PARCEL NUMBER
BRUCE	13-19-302-018	13-19-302-018	13-19-302-018	13-19-302-018
BRUCE	13-19-302-019	13-19-302-019	13-19-302-019	13-19-302-019
BRUCE	13-19-302-020	13-19-302-020	13-19-302-020	13-19-302-020
BRUCE	13-19-302-021	13-19-302-021	13-19-302-021	13-19-302-021
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BRUCE	13-19-302-099	13-19-302-099	13-19-302-099	13-19-302-099
BRUCE	13-19-302-100	13-19-302-100	13-19-302-100	13-19-302-100

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

AREA NUMBER	SUB AREA NUMBER	BLOCK NUMBER	PARCEL 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

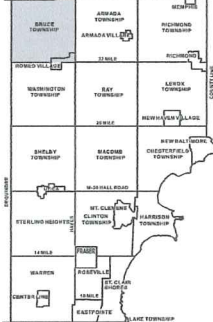
01-17A

BRUCE TWP.
 W.1/2 N.W.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

Published: Oct 27, 2010



C-06

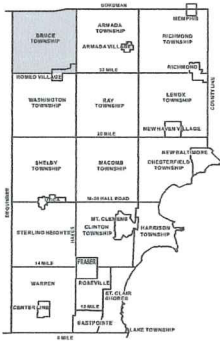


Date of Photography: Spring 2010
 100 50 0 100 200 Feet

1:1,200



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 MACOMB COUNTY, MI
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BRUCE TOWNSHIP SHEET INDEX

BORERMAN		DESCRIPTION OF PERMANENT REAL ESTATE INDEX NUMBER	
01-18A	01-18B	13-19-302-018	01-17E
01-18C	01-18D	13-19-302-018	01-17E
01-18E	01-18F	13-19-302-018	01-17E
01-18G	01-18H	13-19-302-018	01-17E
01-18I	01-18J	13-19-302-018	01-17E
01-18K	01-18L	13-19-302-018	01-17E
01-18M	01-18N	13-19-302-018	01-17E
01-18O	01-18P	13-19-302-018	01-17E
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01-18S	01-18T	13-19-302-018	01-17E
01-18U	01-18V	13-19-302-018	01-17E
01-18W	01-18X	13-19-302-018	01-17E
01-18Y	01-18Z	13-19-302-018	01-17E
01-19A	01-19B	13-19-302-018	01-17E
01-19C	01-19D	13-19-302-018	01-17E
01-19E	01-19F	13-19-302-018	01-17E
01-19G	01-19H	13-19-302-018	01-17E
01-19I	01-19J	13-19-302-018	01-17E
01-19K	01-19L	13-19-302-018	01-17E
01-19M	01-19N	13-19-302-018	01-17E
01-19O	01-19P	13-19-302-018	01-17E
01-19Q	01-19R	13-19-302-018	01-17E
01-19S	01-19T	13-19-302-018	01-17E
01-19U	01-19V	13-19-302-018	01-17E
01-19W	01-19X	13-19-302-018	01-17E
01-19Y	01-19Z	13-19-302-018	01-17E
01-20A	01-20B	13-19-302-018	01-17E
01-20C	01-20D	13-19-302-018	01-17E
01-20E	01-20F	13-19-302-018	01-17E
01-20G	01-20H	13-19-302-018	01-17E
01-20I	01-20J	13-19-302-018	01-17E
01-20K	01-20L	13-19-302-018	01-17E
01-20M	01-20N	13-19-302-018	01-17E
01-20O	01-20P	13-19-302-018	01-17E
01-20Q	01-20R	13-19-302-018	01-17E
01-20S	01-20T	13-19-302-018	01-17E
01-20U	01-20V	13-19-302-018	01-17E
01-20W	01-20X	13-19-302-018	01-17E
01-20Y	01-20Z	13-19-302-018	01-17E
01-21A	01-21B	13-19-302-018	01-17E
01-21C	01-21D	13-19-302-018	01-17E
01-21E	01-21F	13-19-302-018	01-17E
01-21G	01-21H	13-19-302-018	01-17E
01-21I	01-21J	13-19-302-018	01-17E
01-21K	01-21L	13-19-302-018	01-17E
01-21M	01-21N	13-19-302-018	01-17E
01-21O	01-21P	13-19-302-018	01-17E
01-21Q	01-21R	13-19-302-018	01-17E
01-21S	01-21T	13-19-302-018	01-17E
01-21U	01-21V	13-19-302-018	01-17E
01-21W	01-21X	13-19-302-018	01-17E
01-21Y	01-21Z	13-19-302-018	01-17E
01-22A	01-22B	13-19-302-018	01-17E
01-22C	01-22D	13-19-302-018	01-17E
01-22E	01-22F	13-19-302-018	01-17E
01-22G	01-22H	13-19-302-018	01-17E
01-22I	01-22J	13-19-302-018	01-17E
01-22K	01-22L	13-19-302-018	01-17E
01-22M	01-22N	13-19-302-018	01-17E
01-22O	01-22P	13-19-302-018	01-17E
01-22Q	01-22R	13-19-302-018	01-17E
01-22S	01-22T	13-19-302-018	01-17E
01-22U	01-22V	13-19-302-018	01-17E
01-22W	01-22X	13-19-302-018	01-17E
01-22Y	01-22Z	13-19-302-018	01-17E

13-19-302-018

AREA NUMBER
 SUB AREA NUMBER
 BLOCK NUMBER
 PARCEL NUMBER

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

01-17E

BRUCE TWP.

W.1/2 S.W.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.



GIS MACOMB COUNTY
 Planning and Economic
 Development Department

Published: Oct 27, 2010

10

01-07G

01-07H

01-08E

01-18D

36 MILE RD

FORD PROVING GROUNDS

FORD PROVING GROUNDS

G-06

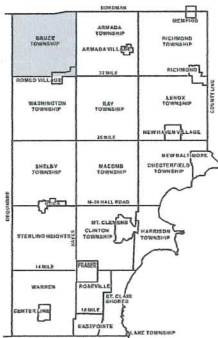


Date of Photography: Spring 2010
100 50 0 100 200 Feet

1:1,200



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BRUCE TOWNSHIP SHEET INDEX

Table with columns for Township, Range, and Section numbers, listing various parcels and their identifiers.

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

01-18D

BRUCE TWP.
E. 1/2 N.E. 1/4 SEC. 18 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.



MACOMB COUNTY Planning and Economic Development Department

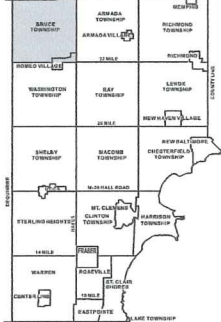
Published: Oct 27, 2010



C-06



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



BRUCE TOWNSHIP SHEET INDEX

BORDMAN	BRUCE TOWNSHIP	BORDMAN
01-18A	01-18B	01-18C
01-18D	01-18E	01-18F
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	01-18AA
01-18AB	01-18AC	01-18AD
01-18AE	01-18AF	01-18AG
01-18AH	01-18AI	01-18AJ
01-18AK	01-18AL	01-18AM
01-18AN	01-18AO	01-18AP
01-18AQ	01-18AR	01-18AS
01-18AT	01-18AU	01-18AV
01-18AW	01-18AX	01-18AY
01-18AZ	01-18BA	01-18BB
01-18BC	01-18BD	01-18BE
01-18BF	01-18BG	01-18BH
01-18BI	01-18BJ	01-18BK
01-18BL	01-18BM	01-18BN
01-18BO	01-18BP	01-18BQ
01-18BR	01-18BS	01-18BT
01-18BU	01-18BV	01-18BW
01-18BX	01-18BX	01-18BY
01-18BZ	01-18CZ	01-18CZ

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 Line
- Dimension Extent Marks
- Dimension Start Marks

01-18H
 Previously part of 01-6
 BRUCE TWP.
 E. 1/2 S.E. 1/4 SEC. 18 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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12

Town 5 North Range 12 East

West On R.L. betw S. 17 + 20

20.00 En. 23 lks S.E.

40.00 Set ten 1/2 m post

80.48 Ent'd N + S. line at post

Willy brushy burnt timber land

West marked betw S. 17 + 20

29.11 W.O. 18 in Dr.

40.24 moved ten 1/2 m. fr to and

B.O. 14 S 10 E 19

No other near

West Between S. 18 + 19

40.00 Set 1/2 mile post

W.O. 10 N 24 W 110

B.O. 16 S 47 W 122

54.00 Ent'd swp.

65.00 Left Do.

74.00 Ent'd Do.

78.00 Left Do.

79.34 Ent'd R.L. 1414 S. where set post

W.O. 8 N 66 E 14

Do 8 N 59 W 10

Poor burnt timber land

Nov. 21st 1817North Between S. 17 + 18

5.00 Ent'd swp.

6.00 Creek 18 lks S.E.

26.00 Left swp.

30.00 Ent'd swp.

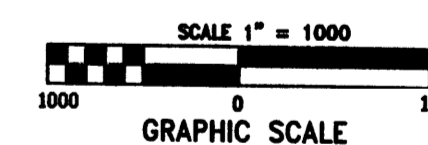
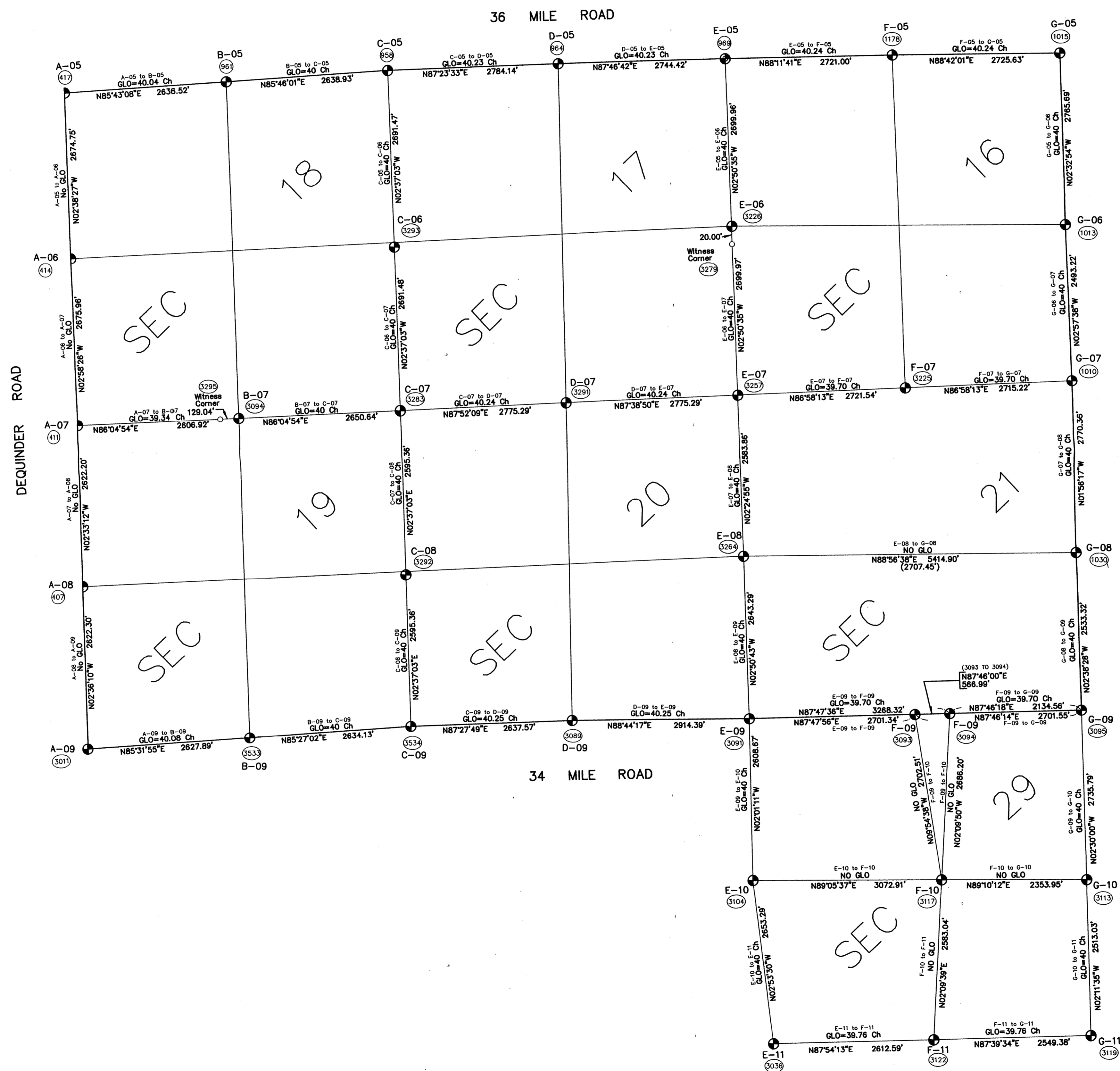
40.00 Set 1/2 m. post

Ash 8 N 79 E 10

Do 14 N 16 W 10

43.00 Left swp.

C-06



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