

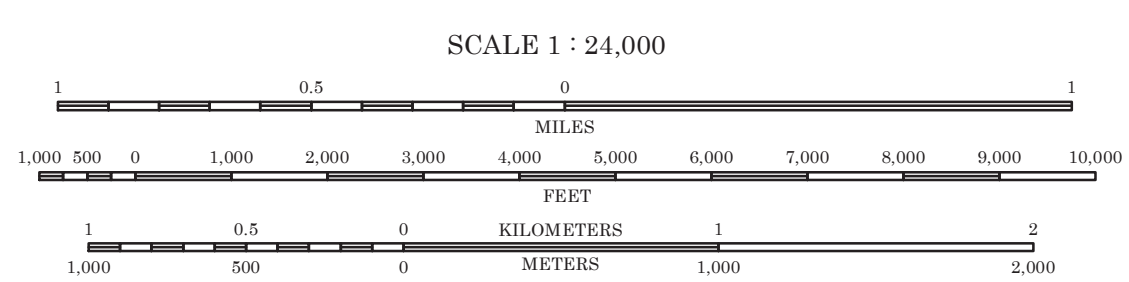
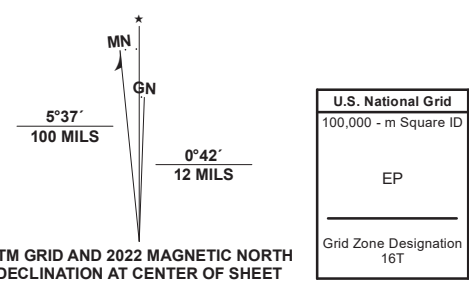
Produced by the USDA Forest Service.  
 North American Datum of 1983 (NAD 83).  
 Projection and 1,000-meter ties: Universal Transverse Mercator, zone 16.

Full Revision of Forest Service lands 2012  
 Updates to Transportation 2012  
 Updates to Boundaries 2012

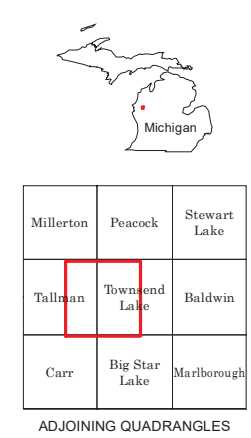
Non-National Forest System lands within the National Forest as of 2012.  
 Inholdings may exist in other National or State reservations.

This is not a legal document. Public lands are subject to change and leasing, and may have access restrictions. Not all roads and trails on this map are open to motor vehicle use. Check with appropriate officials and obtain appropriate regulatory maps and information. Obtain permission before entering private lands.

This map product uses the most current data available in the USDA Forest Service cartographic database. Modifications, updates, and corrections may be made at any time. Print quality is determined by the output device used when producing a hardcopy product.



**MOTOR VEHICLE USE MAP (MVUM)**  
 The MVUM is a legal enforceable document that identifies the roads, trails, and areas where motor vehicle use is allowed in a Forest Service administrative unit or ranger district. MVUMs are reissued each year. It is the responsibility of motor vehicle users to acquire the current MVUM. MVUMs are available FREE at Forest Service offices and at [www.fs.fed.us/recreation/programs/ohv/ohv\\_maps.shtml](http://www.fs.fed.us/recreation/programs/ohv/ohv_maps.shtml)



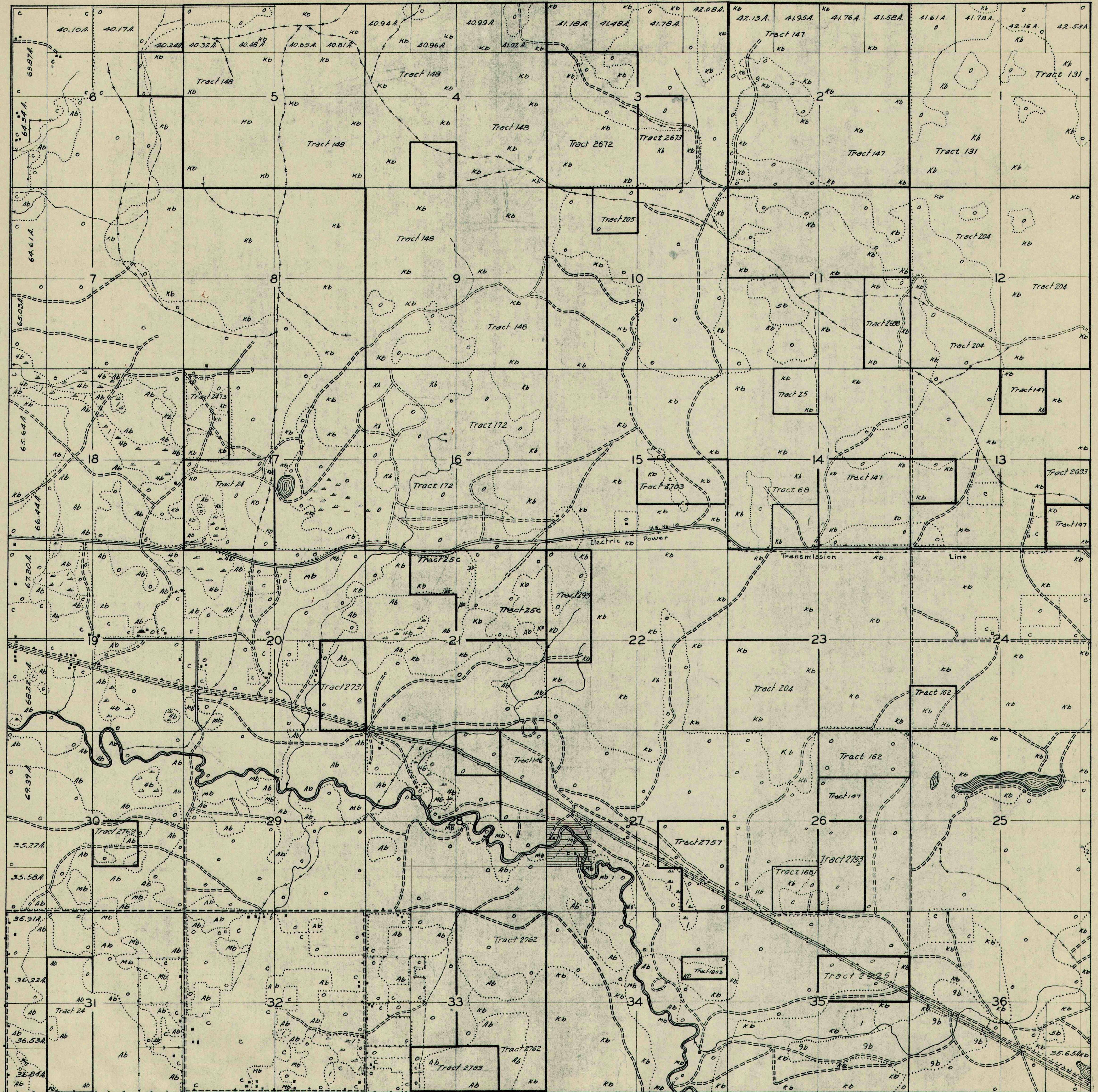
HIGHWAYS AND ROADS			
Interstate.....	5	Highway.....	1
U.S. ....	105	Road, Unspecified.....	1
State.....	79	Road, Paved.....	1
County.....	6	Road, Gravel.....	1
National Forest, suitable for passenger cars.....	105	Road, Dirt.....	1
National Forest, suitable for high clearance vehicles.....	80	Unimproved.....	1
National Forest Trail.....	384	Road, Closed.....	1
		Trail.....	1
		Gate/Barrier.....	1
		Check with local Forest Service unit for current travel conditions and restrictions	

This product generated and downloaded on 1/7/2023

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ACQUISITION MAP  
T.18N. R.14W. M.M.





# CERTIFICATE OF SURVEY

## Legend

- IRON SET
- IRON FOUND
- ⊙ MONUMENT FOUND
- △ NAIL SET
- ▲ NAIL FOUND
- ⊕ GOVERNMENT 1/4 CORNER
- ⊙ SECTION CORNER
- ⊕ CENTER 1/4 CORNER
- (R) RECORD
- (M) MEASURED



RECEIVED  
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SHELLY MYERS, CLERK/REGISTER/CFO

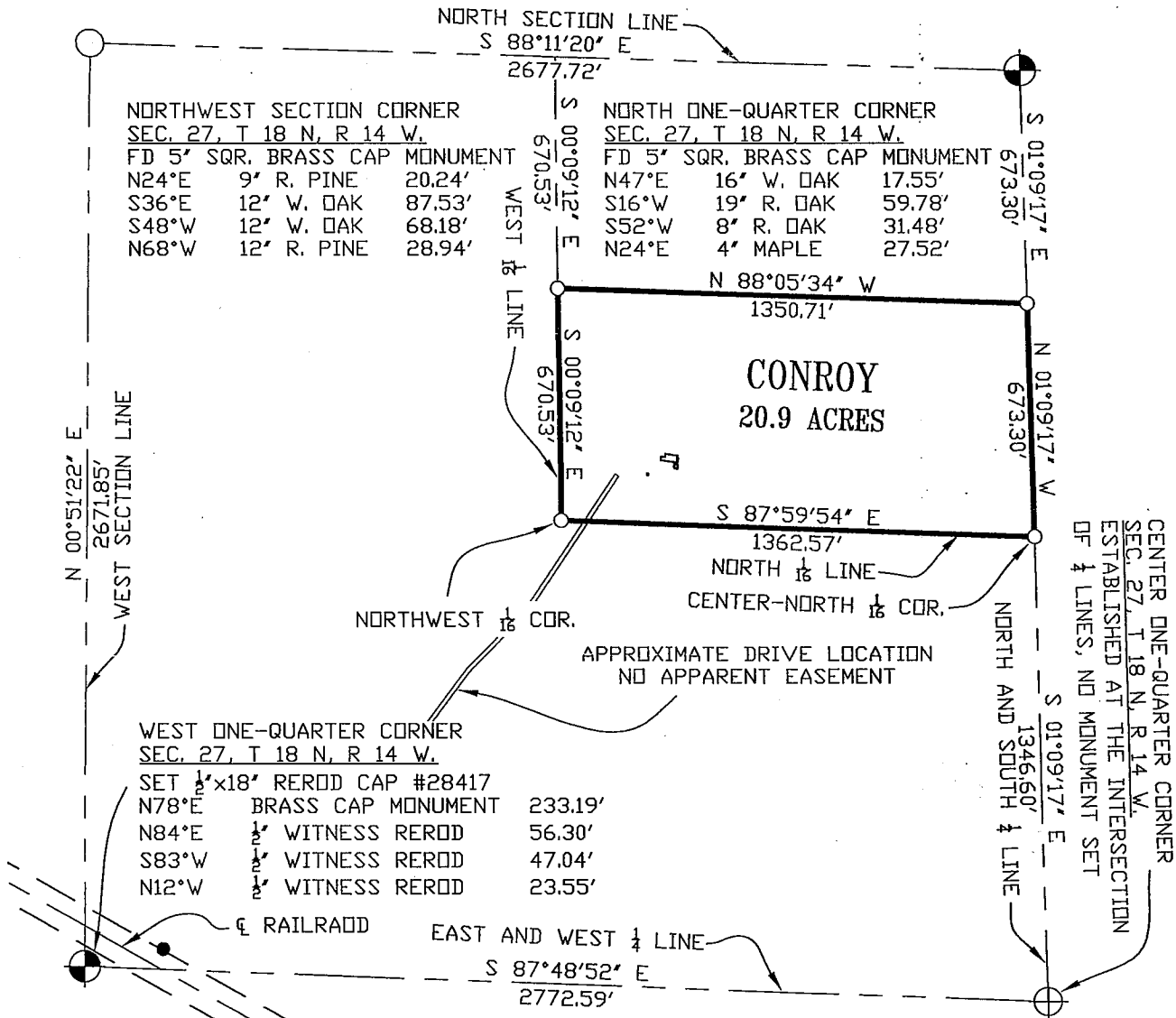
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LAKE COUNTY, MI  
SHELLY MYERS, REGISTER OF DEEDS

RECEIPT# 2366, STATION 1  
\$14.00 SURVEY



Liber 35 Page 588

SPACE RESERVED FOR REGISTER OF DEEDS



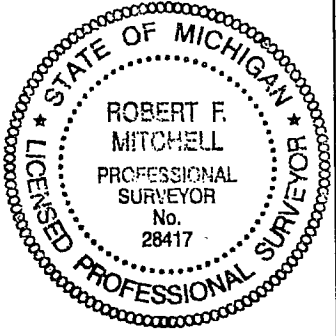
DESCRIPTION: A parcel of land situated in the Township of Sweetwater, County of Lake, State of Michigan and described as follows to-wit:

The South one-half of the Northeast one-quarter of the Northwest one-quarter of Section 27, Town 18 North, Range 14 West.

SUBJECT TO all agreements, covenants, easements, right-of-ways, reservations and restrictions of record, if any.

Robert F. Mitchell  
Professional Surveyor No. 28417

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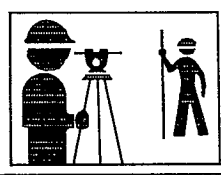


ERROR OF CLOSURE IS 1/10,000

BASIS OF BEARING: MI STATE PLANE CENTRAL ZONE

I, Robert F. Mitchell, a Licensed Professional Surveyor in the State of Michigan, hereby certify that I have surveyed and mapped the above parcel of land; That the ratio of closure of the unadjusted field observations was within the accepted limits and that I have fully complied with the requirements of P.A. 132 of 1970.

CLIENT: PATRICK CONROY  
LOCATION: PART OF THE NORTHEAST ONE-QUARTER, SECTION 27, TOWN 18 NORTH, RANGE 14 WEST, SWEETWATER TOWNSHIP, LAKE COUNTY, MICHIGAN



**BOB MITCHELL & ASSOCIATES**  
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DWN. WPM	DATE 9-6-12	FILE NO. 20120211
CK. JEM	F.L.D. BK. 650 PG. 72	SHEET 1 OF 1

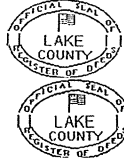
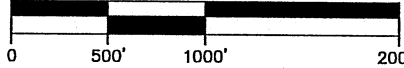


# CERTIFICATE OF SURVEY

## Legend

- IRON SET
- IRON FOUND
- ⊙ MONUMENT FOUND
- △ NAIL SET
- ▲ NAIL FOUND
- PROPERTY LINE MARKED
- #2 SEE DETAIL #2 SHEETS 4 TO 6
- GOVERNMENT 1/4 CORNER
- SECTION CORNER
- ⊙ CENTER 1/4 CORNER
- (R) RECORD
- (M) MEASURED
- (P) PRORATED
- (GLO) GENERAL LAND OFFICE SURVEY

Scale: 1" = 1000'



RECEIVED  
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LAKE COUNTY, MICHIGAN  
SHELLY MYERS, CI FRK/REGISTRAR/REC  
RECORDED  
02/14/2013 11:47:48 AM  
LAKE COUNTY, MI  
SHELLY MYERS, REGISTER OF DEEDS  
RECEIPT# 2541, STATION 2  
SURVEY

Liber S5

Page 605



NW COR., SEC. 31,  
T. 18 N., R 14 W.

(SEE SHEET 2 OF 3  
FOR WITNESSES)

N. 1/4 COR., SEC. 31,  
T. 18 N., R 14 W.

(SEE SHEET 2 OF 3  
FOR WITNESSES)

U.S.F.S.  
LANDS

NE COR., SEC. 31,  
T. 18 N., R 14 W.

(SEE SHEET 2 OF 3  
FOR WITNESSES)



### United States Government Land

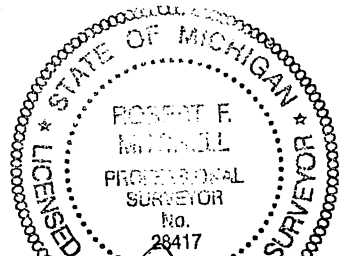
Being the W 1/2 of the NE 1/4 AND the W 1/2 of the SE 1/4 AND the SW 1/4 of the SW 1/4 AND the NE 1/4 of the SW 1/4 AND the SE 1/4 of the SW 1/4 AND the W 1/2 of the NW 1/4 except the S 3/4 of the SW 1/4 of the NW 1/4; all in Section 31, Township 18 North, Range 14 West, Sweetwater Township, Lake County, Michigan.

THIS SURVEY SUPERSEDES AND CORRECTS THE SURVEY RECORDED IN LIBER 5, PAGES 231-236 OF SURVEYS.

DISTANCES SHOWN ARE NAD 83 MICHIGAN CENTRAL ZONE STATE PLANE GRID IN INTERNATIONAL FEET. CONVERSION TO GROUND DISTANCE IS PERFORMED BY THE FORMULA:

$$\frac{\text{GRID DISTANCE}}{\text{COMBINED GRID FACTOR}} = \text{GROUND DISTANCE}$$

COMBINED GRID FACTOR USED FOR THIS PROJECT = 1.0000408  
CONVERSION FROM INTERNATIONAL FEET TO METERS IS: 1 FOOT = 0.3048 METERS



*Robert F. Mitchell*  
Robert F. Mitchell  
Professional Surveyor No. 28417

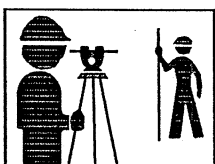
ALTERATION OF ANY PART OF THIS DOCUMENT WITHOUT THE PERMISSION OF MITCHELL & ASSOCIATES, PC, IS PROHIBITED.

ERROR OF CLOSURE IS 1/7,500

BASIS OF BEARING: GPS OBSERVATION, MI CENTRAL GRID NORTH

I, Robert F. Mitchell, a Licensed Professional Surveyor in the State of Michigan, hereby certify that I have surveyed and mapped the above parcel of land; That the ratio of closure of the unadjusted field observations was within the accepted limits and that I have fully complied with the requirements of P.A. 132 of 1970.

CLIENT: USDA - FOREST SERVICE	
LOCATION: Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.	REVISED: 8/06/12 REVISED: 3/17/05 REVISED: 2/24/05 REVISED: 2/18/05 REVISED: 7/23/04
wpm DWN. mcs	DATE 6/1/07 FILE NO. 20040170
CK. RFM	FLD. BK. 563 PG. 17-22 SHEET 1 OF 6



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Toll Free in Michigan 1-800-533-6627  
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NW COR., SEC. 31, T. 18 N., R. 14 W.
2 1/2" X 30" ALUM PIPE W/BRASS CAP
N29°E 10" W.PINE 87.07'
S73°E 7" & 12" TW.W.OAK 76.52'
S49°W 13" W.OAK 63.90'
WEST CARSONITE POST 1.0'
N74°W 11" R.PINE 95.62'

SE COR., SEC. 31, T. 18 N., R. 14 W.
5" SQ. CONC. MON Q/BRASS CAP
EAST LAKE CO. MON. (COR. COMMON TO
SEC.S 5 & 6 T. 17 N., R. 14 W.) 10.55'
N38°E 22" R.OAK 122.45'
S66°E 13" ASH 80.70'
S77°W 24" W.PINE 52.00'
N46°W 5" W.PINE 84.92'
N38°W GUY POLE 41.04'
N24°W 17" & 22" TW. R.OAK 68.75'

10; S 1/16 on the West Line of
Sec 31, T18N, R14W
1/2" by 18" rerod and cap 28417.
S23°E 13" Maple 35.84'
S66°W 14" R. Oak 85.83'
N10°W 10" R. Oak 29.15'
S01°W Found 5/8" Rod 9.96'
South Fiberglass Post 1'

N 1/4 corner Sec 31, T18N, R14W
A 2 1/2" by 30" flared bottom aluminum
pipe with 3" brass cap 1' below surface of
center line East and West gravel road.
S 54° W 2" Iron Pipe with cap
71.85'(Liber 2 page 395, Remon position)
N 24° E 18" Soft Maple 14.59'
S 10° W 12" Soft Maple 54.62'
S 69° W 6" Soft Maple 84.03'

1; W 1/16 on the North Line of Sec 31,
T18N, R14W
1/2" by 18" rerod and cap 28417.
N 79° E 12" White Pine 15.15'
West 14" White Pine 66.46'
S 49° W 14" Red Oak 56.03'
S 57° W Cole Bar and Cap 34.05'

11; SW 1/16 of Sec 31, T18N, R14W
1/2" by 18" rerod and cap 28417.
N11°E 19" R. Oak 81.79'
S68°E 17" W. Oak 53.19'
N63°W 6" W. Pine 82.18'
S40°W Found 5/8" Rod 10.50'
West Fiberglass Post 1'

NE COR., SEC. 31, T. 18 N., R. 14 W.
LAKE CO. MON.
N65°E 8" R.OAK 101.25'
S44°E 13" MAPLE 111.56'
S29°W 24" W.PINE 106.89'
S56°W 25" W.PINE 96.03'
N24°W 7" MAPLE 108.01'

2; E 1/16 on the North Line of Sec 31,
T18N, R14W
1/2" by 18" rerod and cap 28417.
N 33° E 24" White Pine 42.57'
N 40° W 24" White Pine 92.55'
S 63° W 18" White Pine 50.11'
South 10" Maple 64.56'

16; E 1/16 on the South line
Sec 31, T18N, R14W
1/2" by 18" rerod and cap 28417.
N 08° E 8" White Oak 38.74'
S 38° E 8" Twin Oak 26.26'
S 41° W 8" Maple 29.42'
S 88° W 32" Twin Oak 30.88'
N 08° E Found 1" Iron 1.61'

West 1/4 Corner of Sec 31, T18N, R14W
A 3/4" by 24" rebar with Lake Co. alum cap
1' below the surface at the East edge of
a North and South dirt road.
N87°E 10" W. Pine 78.11'
S31°E 14" B. Oak 35.12'
S33°W 22" B. Oak 33.16'
N31°W 22" W. Oak 82.11'
N53°W 26" Oak Stump 90.0'
to face of Blaze(Johnson 1911)
S07°W Broken 5" concrete
Monument 19.20'
South Fiberglass Post 1'

3; N 1/16 on the West Line of Sec 31,
T18N, R14W
1/2" by 18" rerod and cap 28417.
N 70° E 14" W.Oak 36.37'
S 34° E 11" W.OAK 41.43'
S 25° W 22" W.OAK 90.65'
N 71° W 20" W.OAK 34.54'
NORTH Fiberglass Post 1'

C-N-S-NW 1/256 of Sec 31,
T18N, R14W
1/2" rerod and cap 28417.
N35°E 7" W. Oak 69.71'
S16°E 10" W. Oak 38.20'
S49°W Bar & Cap #12016 25.30'
N13°W 10" R. Oak 60.14'
South Fiberglass Post 1'

E. 1/4 COR., SEC. 31, T. 1/8 N., R. 14 W.
LAKE CO. MON.
S86°E 11" R.OAK 54.97'
S23°E P.POLE 62.57'
S67°W 7" R.PINE 61.67'
N62°W 9" R.PINE 62.49'

4; NW 1/16 of Sec 31, T18N, R14W
1/2" by 18" rerod and cap 28417.
S37°E 9" W.PINE 46.87'
S39°W 9" TW.W.OAK 36.46'
S53°W BAR & CAP #17615 28.28'
N72°W 14" OAK 77.29'
NORTH Fiberglass Post 1'

N-S-N 1/256 of Sec 31,
T18N, R14W
1/2" rerod and cap 28417.
N53°E 10" W. Oak 61.72'
South Bar & Cap #12016 12.22'
S05°W 10" B. Oak 27.31'
N08°W 13" B. Oak 28.04'
South Fiberglass Post 1'

SW COR., SEC. 31, T. 18 N., R. 14 W.
2 1/2"X36" ALUM. PIPE W/BRASS CAP
N58°E 12" MAPLE 64.03'
EAST 5" CEDAR POST 33'
S27°W 17" W.OAK 55.96'
S53°E 7" R.PINE 92.09'
N59°W 9" R.OAK 71.15'

5; Center-North 1/16 Sec 31, T18N, R14W
1/2" rerod and cap 28417.
S61°E 10" Oak 15.48'
S28°E 9" Maple 22.93'
S79°W 10" Maple 20.80'
S57°W Bar & Cap #17615 51.28'
WEST Fiberglass Post 1'

S. 1/4 COR., SEC. 31, T. 18 N., R. 14 W.
5" CONC. MON. W/BRASS CAP
NORH CARSONITE POST 1.0'
N42°E 5" W.PINE 27.99'
S42°E 11" W.OAK 23.88'
S30°W 8" R.PINE 51.48'
N76°W 8" MAPLE 29.20'

8; Center-West 1/16 Sec 31, T18N, R14W
1/2" rerod and cap 28417.
N32°E 9" Red Oak 32.14'
S20°W 17" White Oak 43.12'
S41°W Bar & Cap #39093 21.14'
S61°W 10" R. Oak 46.32'
SE Fiberglass Post 0.7'

9; Center-East 1/16 Sec 31, T18N, R14W
1/2" by 18" rerod and cap 28417.
N83°E 9" Maple 30.51'
South 8" Maple 35.05'
S64°W 8" Maple 20.72'
N04°W 12" Maple 39.80'
South Fiberglass 1'



Handwritten signature of Robert F. Mitchell

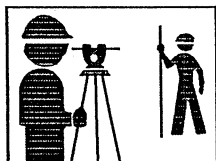
Robert F. Mitchell
Professional Surveyor No. 28417

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PERMISSION OF MITCHELL & ASSOCIATES, PC, IS PROHIBITED.

I, Robert F. Mitchell, a Licensed Professional Surveyor in the State of
Michigan, hereby certify that I have surveyed and mapped the above
parcel of land; That the ratio of closure of the unadjusted field
observations was within the accepted limits and that I have fully
complied with the requirements of P.A. 132 of 1970.

CLIENT: USDA - FOREST SERVICE

LOCATION: Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.
REVISED: 8/06/12
REVISED: 3/17/05
REVISED: 2/24/05
REVISED: 2/18/05
REVISED: 7/23/04



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DWN. mcs DATE 6/1/04 FILE NO. 20040170
567 9
CK. RFM FLD. BK. 563 Pg. 17-22 SHEET 2 OF 6



NAD 83 COORDINATES



Liber S5

Page 607

POINT NORTHING(FT)	EASTING (FT)	LATITUDE	LONGITUDE	CONVERGENCE	SCALE FACTOR	COMBINE	DESCRIPTION
1	223293.84	43 55	8.025453 W	1 10 01.729	1.00003882	NE	cor
2	220634.01	43 54	8.594919 W	1 10 02.132	1.00004108	E	1/4 cor
3	217973.99	43 54	9.161017 W	1 10 02.531	1.00004336	SE	cor
5	218127.36	43 54	19.457685 W	1 10 52.189	1.00004333	SW	cor
8	218048.22	43 54	45.057246 W	1 10 27.889	1.00004335	S	1/4 USFS CONC
11	223407.72	43 55	44.151345 W	1 10 27.249	1.00003877	N	1/4 31
15	223433.28	43 55	19.879508 W	1 10 52.487	1.00003888	NW	31
56	218011.11	43 54	27.109123 W	1 10 15.210	1.00004335	TR	
251	221758.73	43 54	2.976957 W	1 10 40.547	1.0000402	C--N--S--NW	1/256
253	221787.60	43 54	19.730765 W	1 10 52.382	1.0000402	N--S--N	1/256
257	222091.25	43 54	2.984610 W	1 10 40.553	1.00003992	NW	1/16
259	222062.98	43 54	44.378684 W	1 10 27.409	1.00003991	C--N	1/16
261	219425.25	43 54	2.940796 W	1 10 40.522	1.00004219	Comp Set	SW 1/16
262	219463.78	43 54	19.549602 W	1 10 52.254	1.00004218	Comp S	1/16
263	220761.16	43 54	2.954000 W	1 10 40.531	1.00004105	Comp CW	1/16
264	220676.13	43 54	26.600445 W	1 10 14.851	1.00004107	C--E	1/16
318	220800.20	43 54	19.641531 W	1 10 52.319	1.0000419	W	1/4 REMON
400	222116.74	43 54	19.760512 W	1 10 52.403	1.00004013	N	1/16
1040	223421.21	43 55	3.015224 W	1 10 40.574	1.00003879	W	1/16



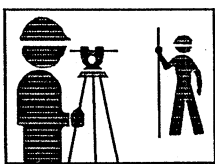
*Robert F. Mitchell*

Robert F. Mitchell  
Professional Surveyor No. 28417

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CLIENT:	USDA - FOREST SERVICE		
LOCATION:	Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.	REVISED: 8/06/12	REVISED: 3/17/05
		REVISED: 2/24/05	REVISED: 2/18/05
		REVISED: 7/23/04	
wpm	DATE	6/1/04	FILE NO. 20040170
DWN. mcs	567	9	
CK. RFM	FLD. BK. 563	PG. 17-22	SHEET 3 OF 6

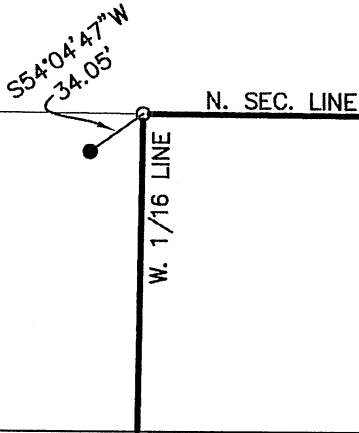


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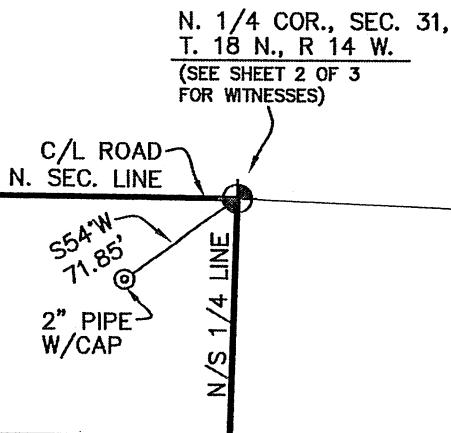


# DETAILS OF CORNERS

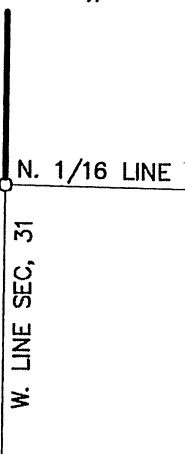
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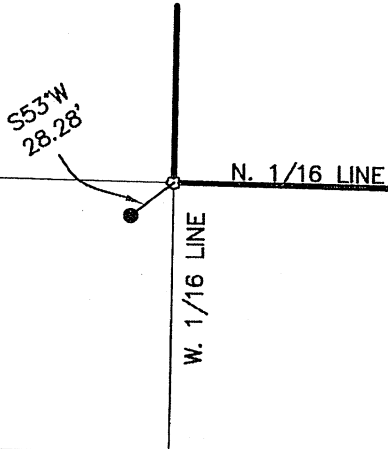
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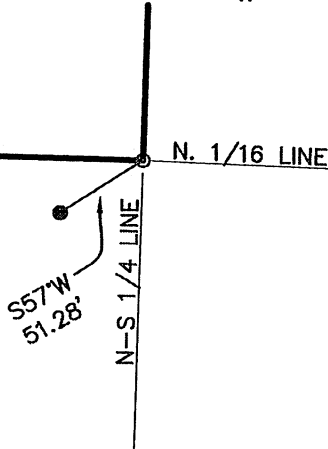
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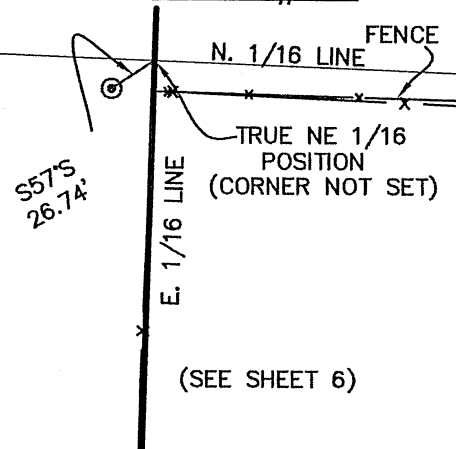
DETAIL #4



DETAIL #5



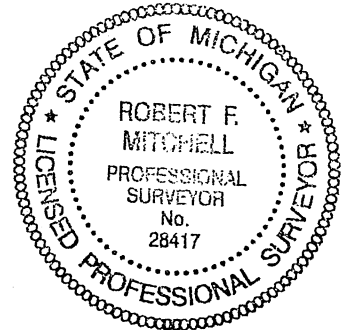
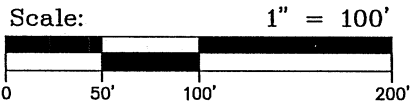
DETAIL #6



Liber **S5** Page **608**

Legend

- IRON SET
- IRON FOUND
- MONUMENT FOUND
- NAIL SET
- NAIL FOUND
- GOVERNMENT 1/4 CORNER
- SECTION CORNER
- CENTER 1/4 CORNER
- (R) RECORD
- (M) MEASURED
- 19 MONUMENTATION FOUND POINT #
- # PROPERTY CORNER



*Robert F. Mitchell*

Robert F. Mitchell  
Professional Surveyor No. 28417

BASIS OF BEARING: GPS OBSERVATION, MI CENTRAL GRID NORTH

CLIENT: USDA - FOREST SERVICE		
LOCATION: Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.		
		REVISED: 8/06/12
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		REVISED: 7/23/04
wpm	DATE 6/1/04	FILE NO. 20040170
DWN. mcs	567 9	
CK.	FLD. BK. 563 PG. 17-22	SHEET 4 OF 6

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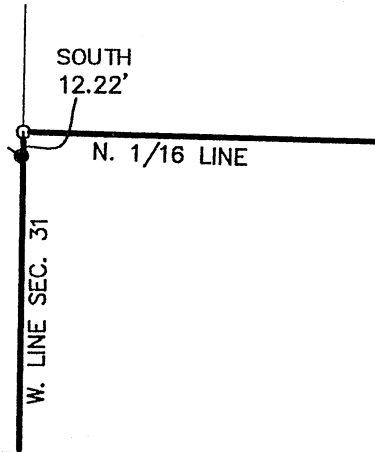
## MITCHELL & ASSOCIATES

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Kingsley, MI 49649  
(616) 263-5463 · FAX (616) 263-7921  
Toll Free in Michigan 1-800-533-6627

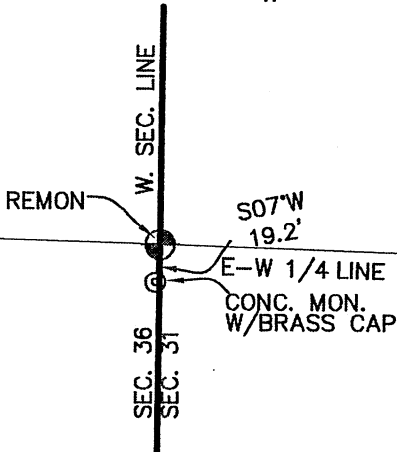


# DETAILS OF CORNERS

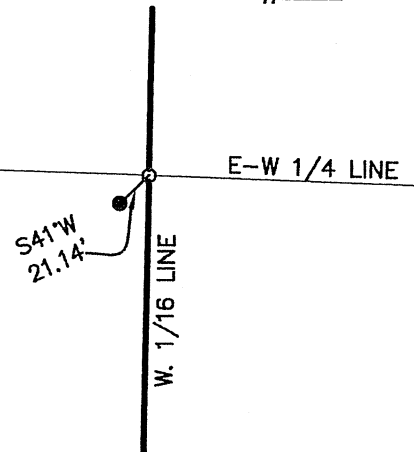
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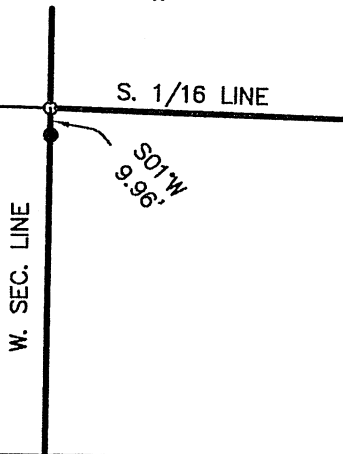
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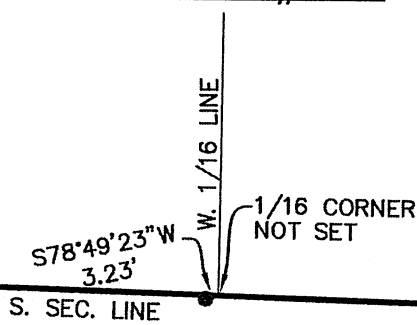
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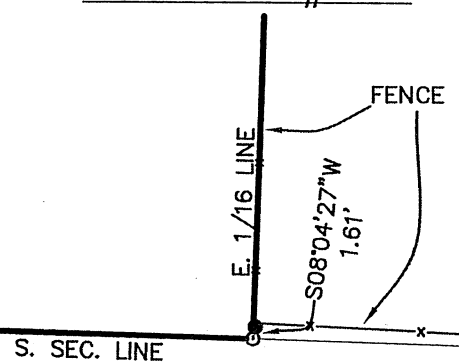
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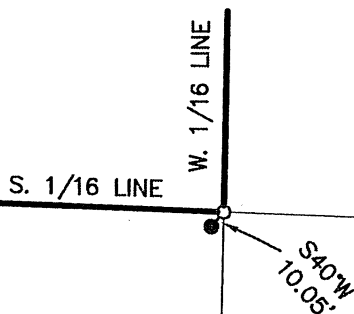
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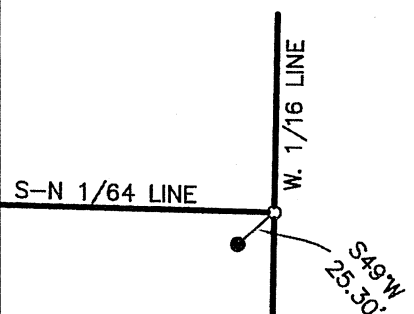
**DETAIL #12**



**DETAIL #13**

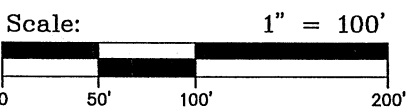


**DETAIL #14**



**Legend**

- IRON SET
- ⊙ IRON FOUND
- ⊕ MONUMENT FOUND
- △ NAIL SET
- ▲ NAIL FOUND
- ⊗ GOVERNMENT 1/4 CORNER
- ⊙ SECTION CORNER
- ⊕ CENTER 1/4 CORNER
- (R) RECORD
- (M) MEASURED
- ① MONUMENTATION FOUND POINT #
- # PROPERTY CORNER

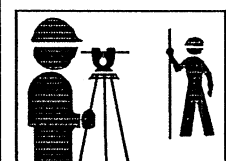


*Robert F. Mitchell*  
 Robert F. Mitchell  
 Professional Surveyor No. 28417

BASIS OF BEARING: GPS OBSERVATION, MI CENTRAL GRID NORTH

CLIENT: USDA - FOREST SERVICE		
LOCATION: Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.		
wpm		REVISD: 8/06/12
DWN. mcs		REVISD: 3/17/05
DATE 6/1/04		REVISD: 2/24/05
567		REVISD: 2/18/05
9		REVISD: 7/23/04
CK.	FLD. BK. 563 PG. 17-22	FILE NO. 20040170
SHEET 5 OF 6		

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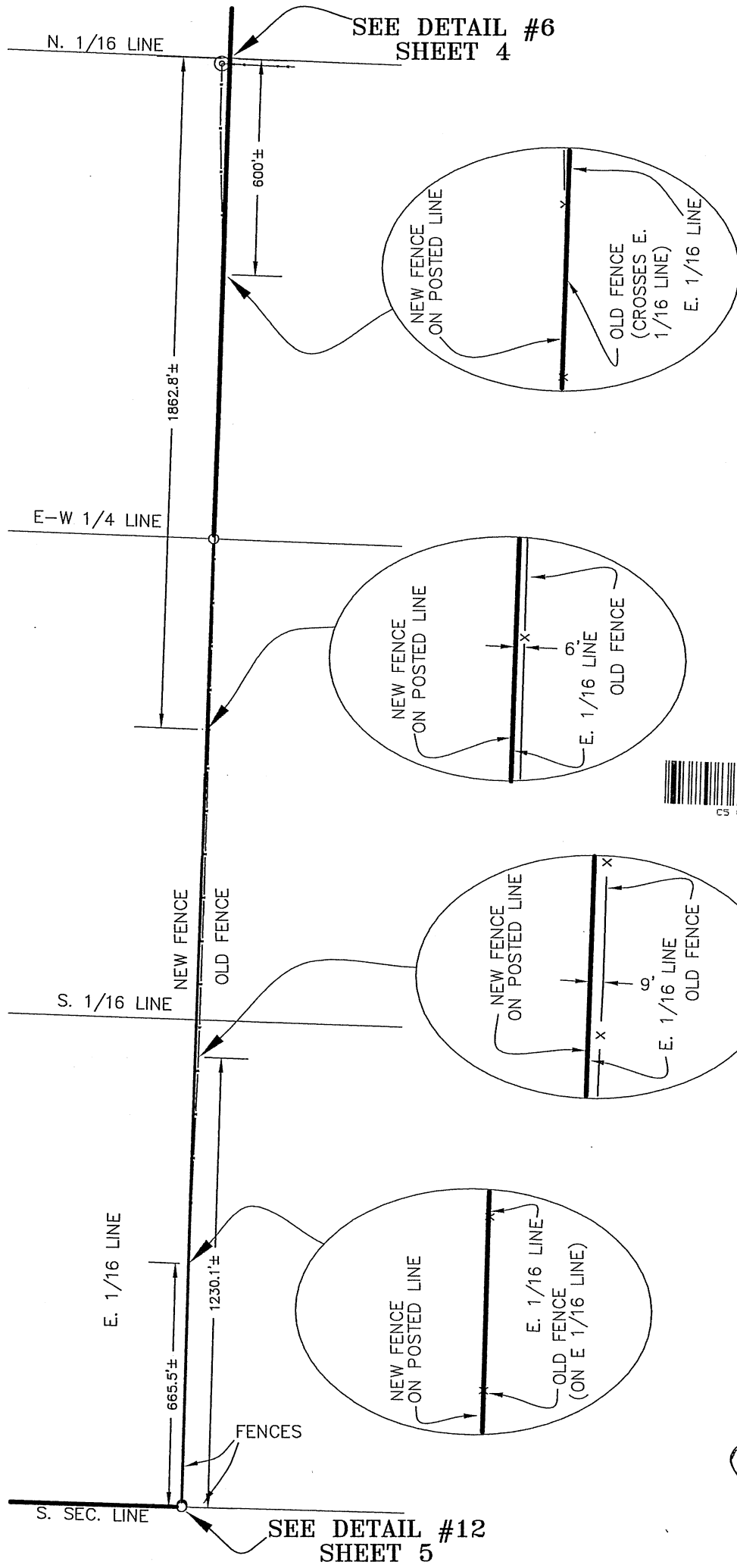
**MITCHELL & ASSOCIATES**  
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 Kingsley, MI 49649  
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 Toll Free in Michigan 1-800-533-6627



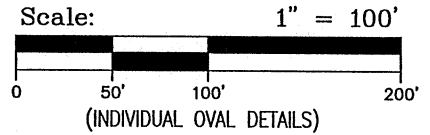


# DETAILS OF E. 1/16 LINE

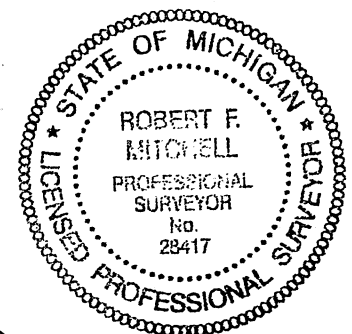


### Legend

- IRON SET
- IRON FOUND
- ⊙ MONUMENT FOUND
- ▲ NAIL SET
- △ NAIL FOUND
- ⊗ GOVERNMENT 1/4 CORNER
- ⊕ SECTION CORNER
- ⊙ CENTER 1/4 CORNER
- (R) RECORD
- (M) MEASURED
- ⑨ MONUMENTATION FOUND POINT #
- # PROPERTY CORNER



Liber S5 Page 610



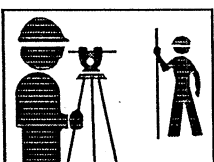
*Robert F. Mitchell*

Robert F. Mitchell  
Professional Surveyor No. 28417

BASIS OF BEARING: GPS OBSERVATION, MI CENTRAL GRID NORTH

CLIENT: USDA - FOREST SERVICE		
LOCATION: Section 31, T18N, R14W, Sweetwater Twp, Lake Co., Michigan.		
		REVISED: 8/06/12
		REVISED: 3/17/05
		REVISED: 2/24/05
		REVISED: 2/18/05
		REVISED: 7/23/04
DWN. wpm mcs	DATE 6/1/04	FILE No. 20040170
CK.	567 FLD. BK. 563	9 PG. 17-22
		SHEET 6 OF 6

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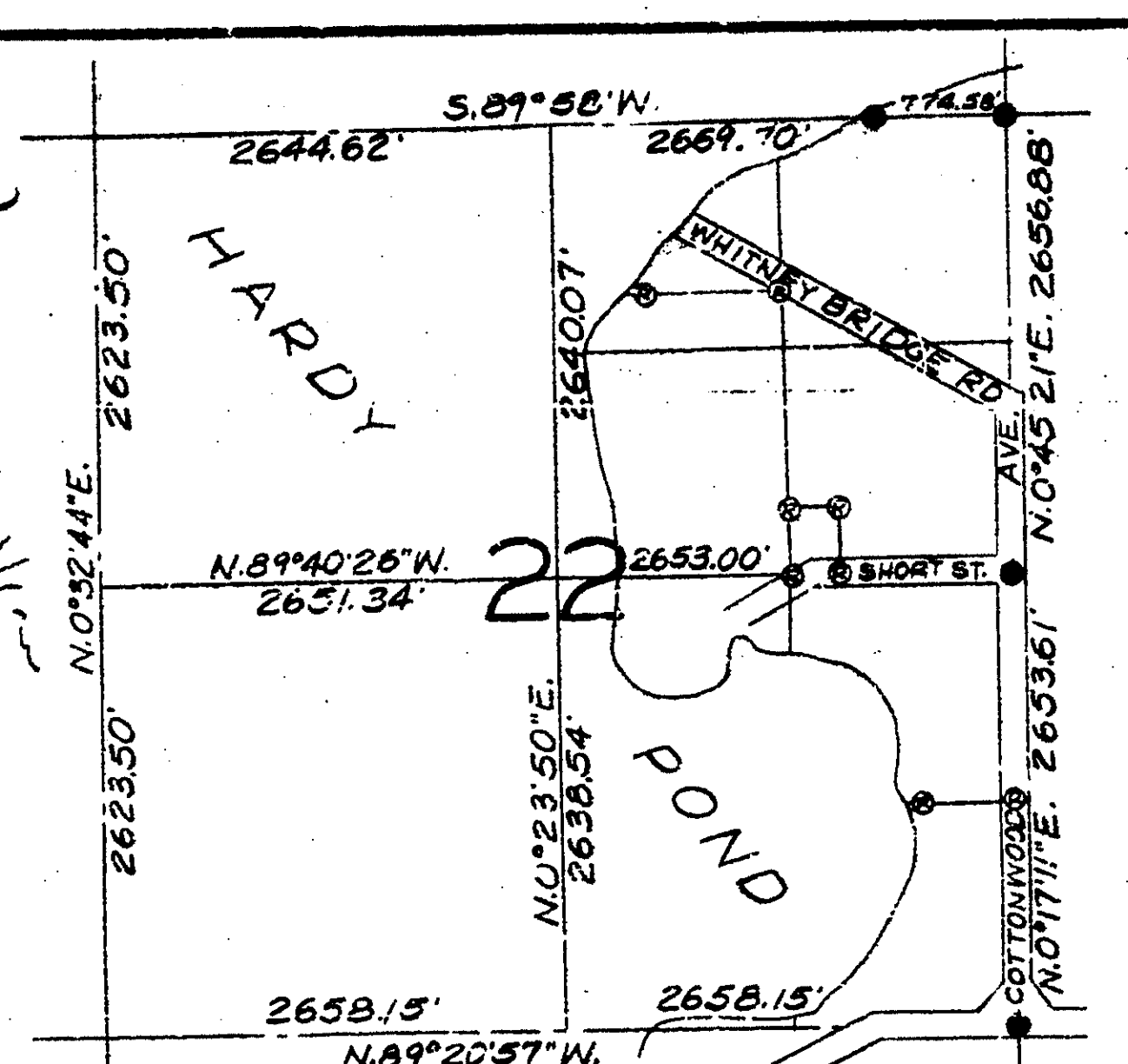
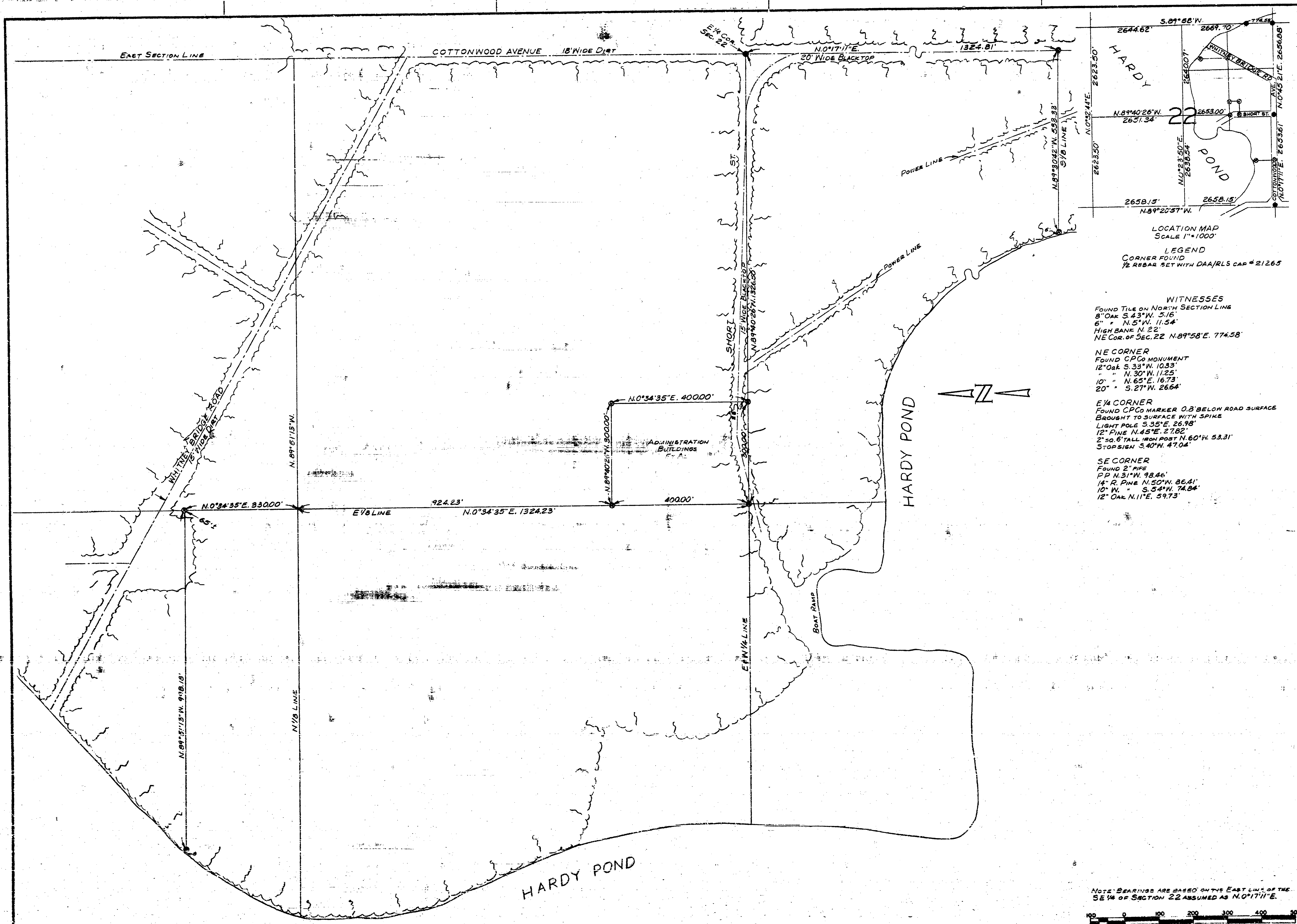


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Toll Free in Michigan 1-800-533-6627





LOCATION MAP  
SCALE 1"=1000'  
LEGEND  
CORNER FOUND  
1/2 REBAR SET WITH DAA/RLS CAP # 21265

WITNESSES  
FOUND TILE ON NORTH SECTION LINE  
8" OAK S. 43° W. 5.16'  
6" " N. 5° W. 11.54'  
HIGH BANK N. 22°  
NE COR. OF SEC. 22 N. 89° 58' E. 774.58'

NE CORNER  
FOUND C.P.C. MONUMENT  
12" OAK S. 30° W. 10.83'  
" " N. 30° W. 11.25'  
10" " N. 65° E. 16.73'  
20" " S. 27° W. 26.64'

E 1/4 CORNER  
FOUND C.P.C. MARKER 0.8' BELOW ROAD SURFACE  
BROUGHT TO SURFACE WITH SPIKE  
LIGHT POLE S. 35° E. 26.98'  
12" PINE N. 45° E. 27.82'  
2" 50.6" TALL IRON POST N. 60° W. 53.31'  
STOP SIGN S. 40° W. 47.04'

SE CORNER  
FOUND 2" PIPE  
P.P. N. 31° W. 98.46'  
14" R. PINE N. 50° W. 36.41'  
10" W. " S. 54° W. 74.84'  
12" OAK N. 11° E. 59.73'

NOTE: BEARINGS ARE BASED ON THE EAST LINE OF THE SE 1/4 OF SECTION 22 ASSUMED AS N. 0° 17' 11" E.  
SCALE IN FEET  
0 100 200 300 400 500

SURVEY BY DAA/RLS #21265 4-10-92 FB 1441 P. 135-150

REFERENCE DRAWINGS		DATE		BY		CHECKED		DATE		BY		CHECKED		DATE	

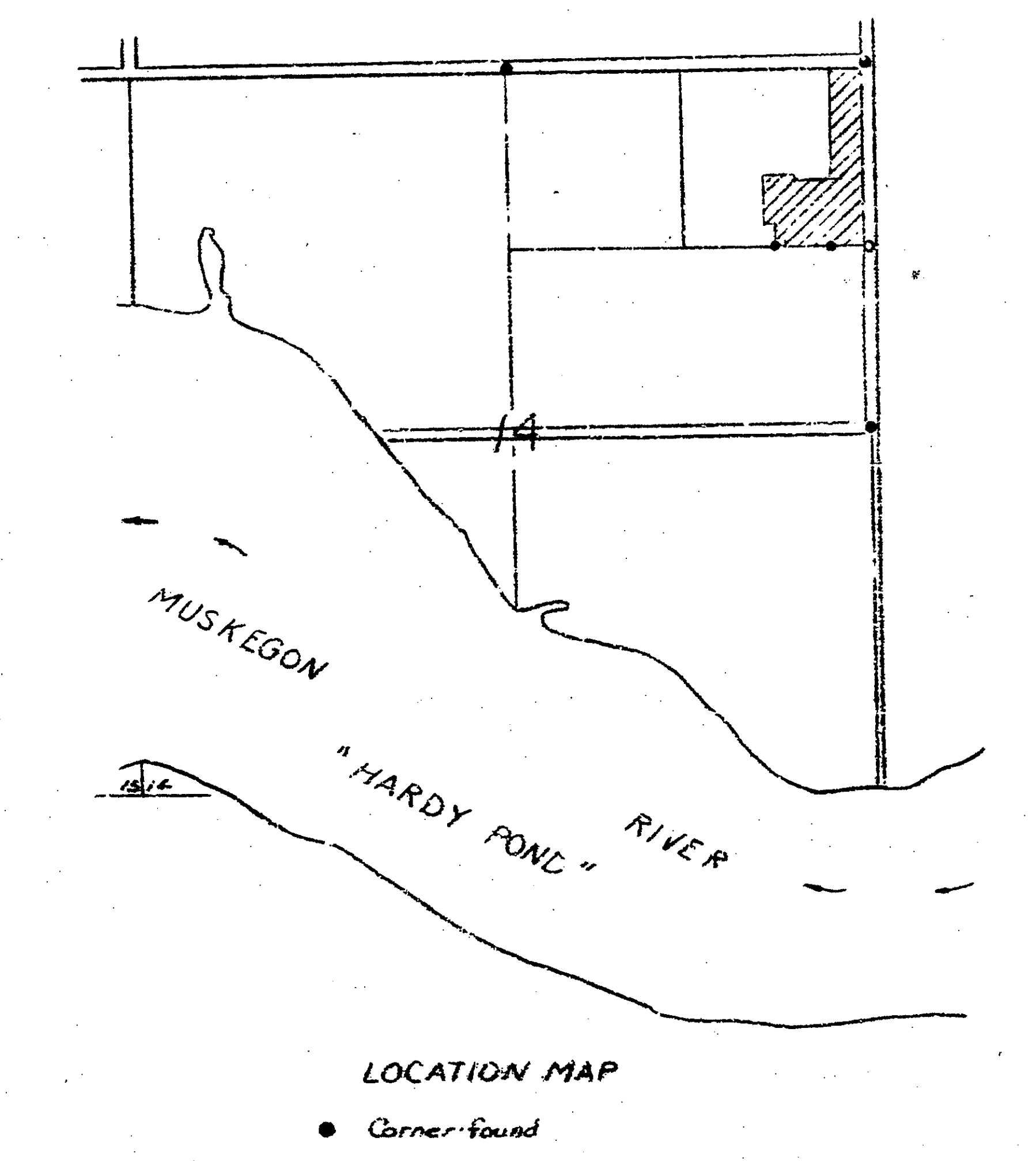
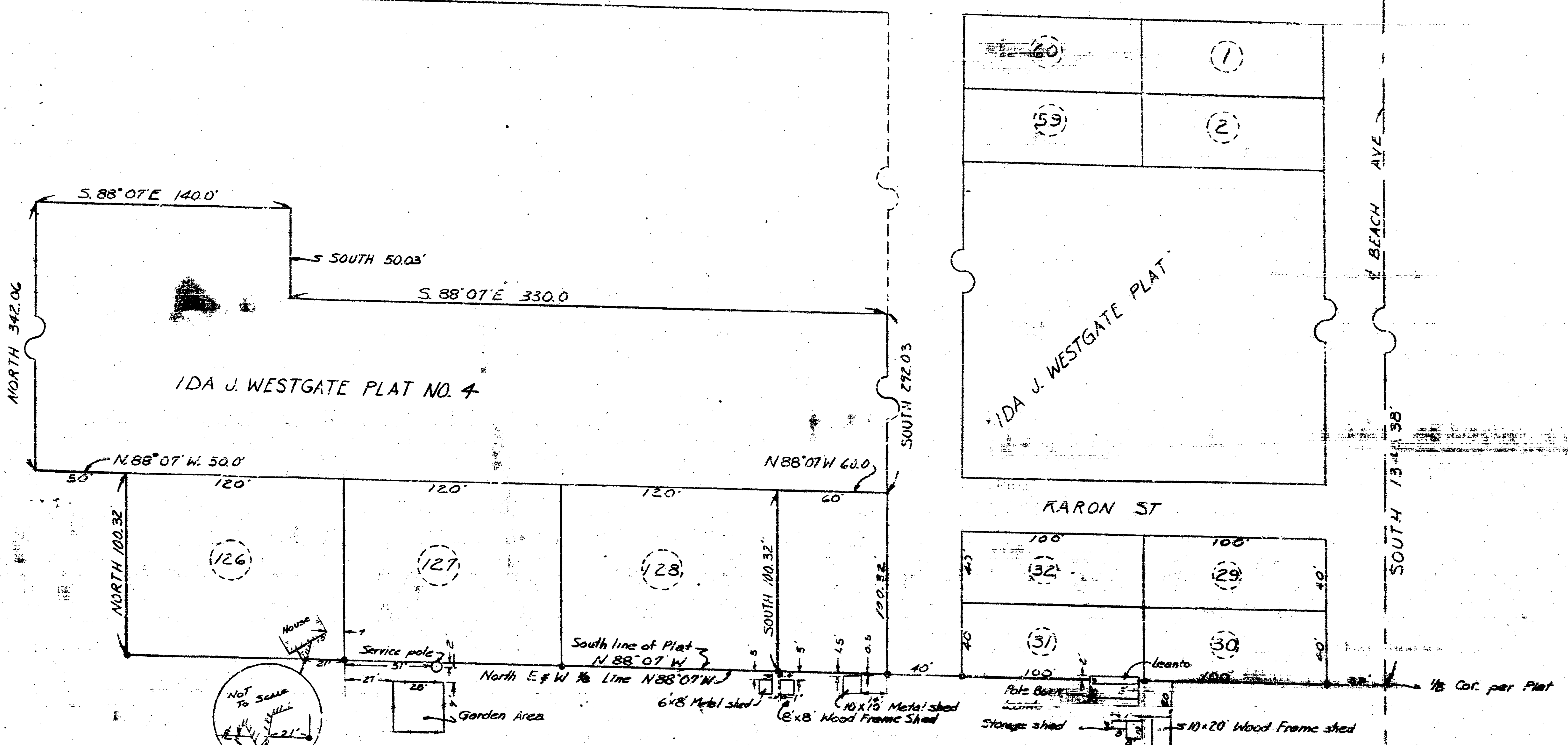
**CONSUMERS POWER CO.**  
JACKSON, MICHIGAN

**OXBOW PARK EXPANSION**  
SECTION 22 T.13N R.11W  
BIG PRAIRE TWP NEWAYGO CO

SCALE 1"=100'  
JOB NO. S-G18484



N 1/4 Cor  
 S 88°07'E. 2654.65'  
 E 14<sup>TH</sup> ST  
 N.E. Cor. Sec. 14



CONSUMERS POWER CO. PROP

Survey by H. RHINES 2-8-89 F.B. 1254 PAGE 12 & 67

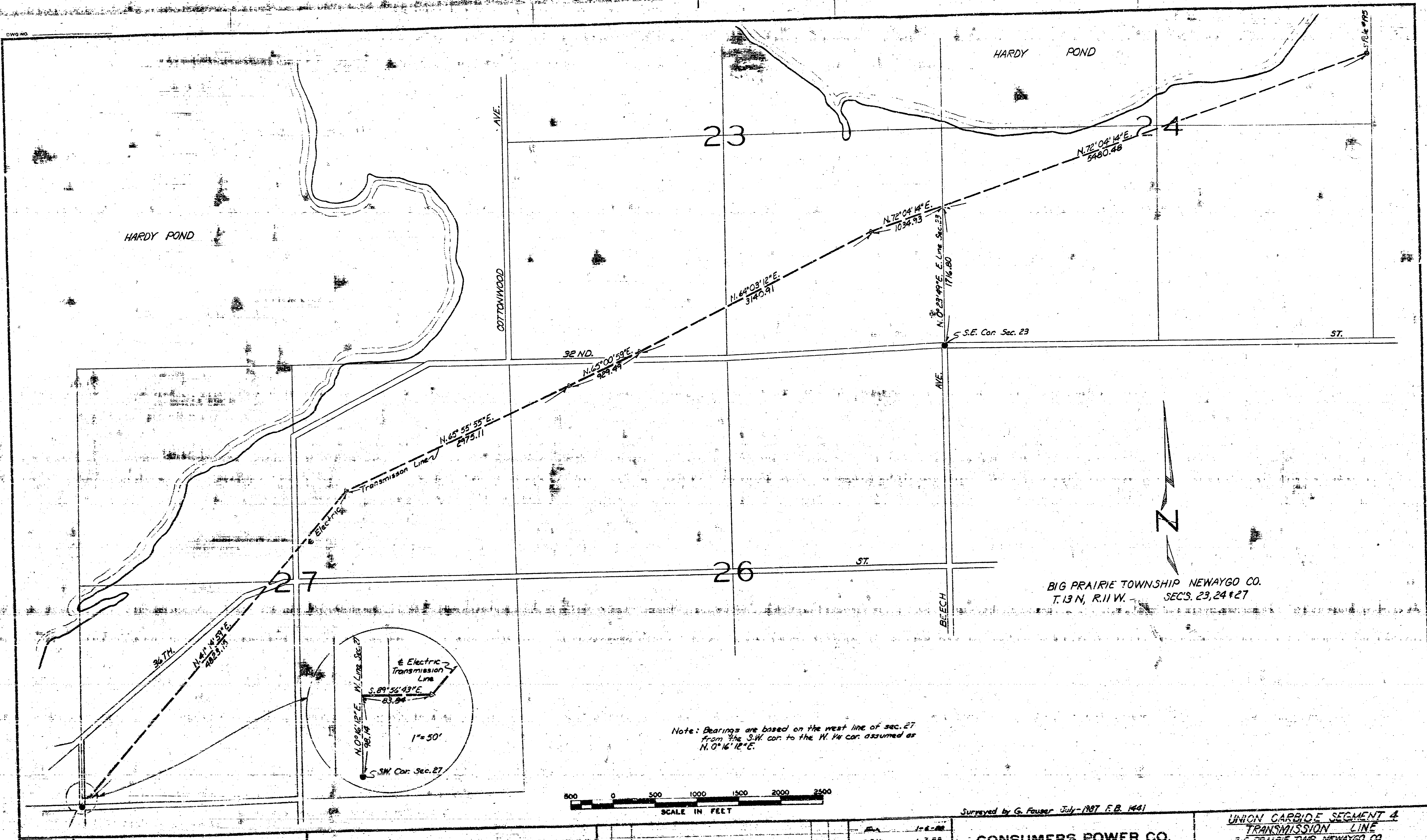
SCALE IN FEET

DRAWING NO.	REFERENCE DRAWINGS	REV.	DATE	DESCRIPTION	BY	APP.

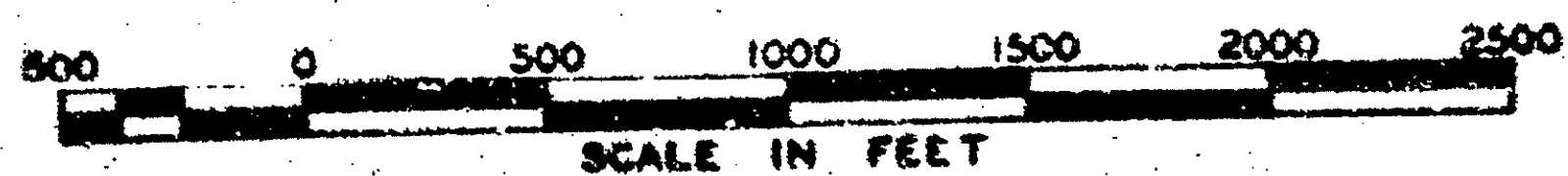
**CONSUMERS POWER CO.**  
 JACKSON, MICHIGAN

ENCROACHMENT  
 SECTION 14 T13N R11W  
 BIG PRAIRIE TWP NE WAYGO CO  
 SCALE 1" = 40'  
 SF 15,444  
 208





Note: Bearings are based on the west line of sec. 27 from the S.W. cor. to the W. 1/4 cor. assumed as N. 0° 16' 12\"/>



Surveyed by G. Fausser July-1907 F.B. 1441

DATE	BY	DESCRIPTION

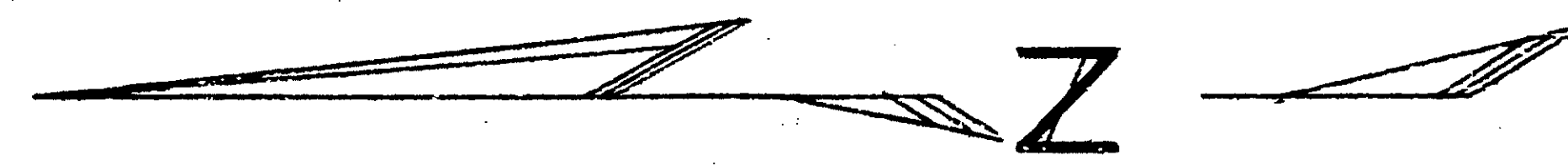
**CONSUMERS POWER CO.**  
JACKSON, MICHIGAN

UNION CARBIDE SEGMENT 4  
TRANSMISSION LINE  
BIG PRAIRIE TWP NEWAYGO CO.  
13 N. R. 11 W. SEC'S 23, 24 & 27  
1" = 500'  
SF 18395 2

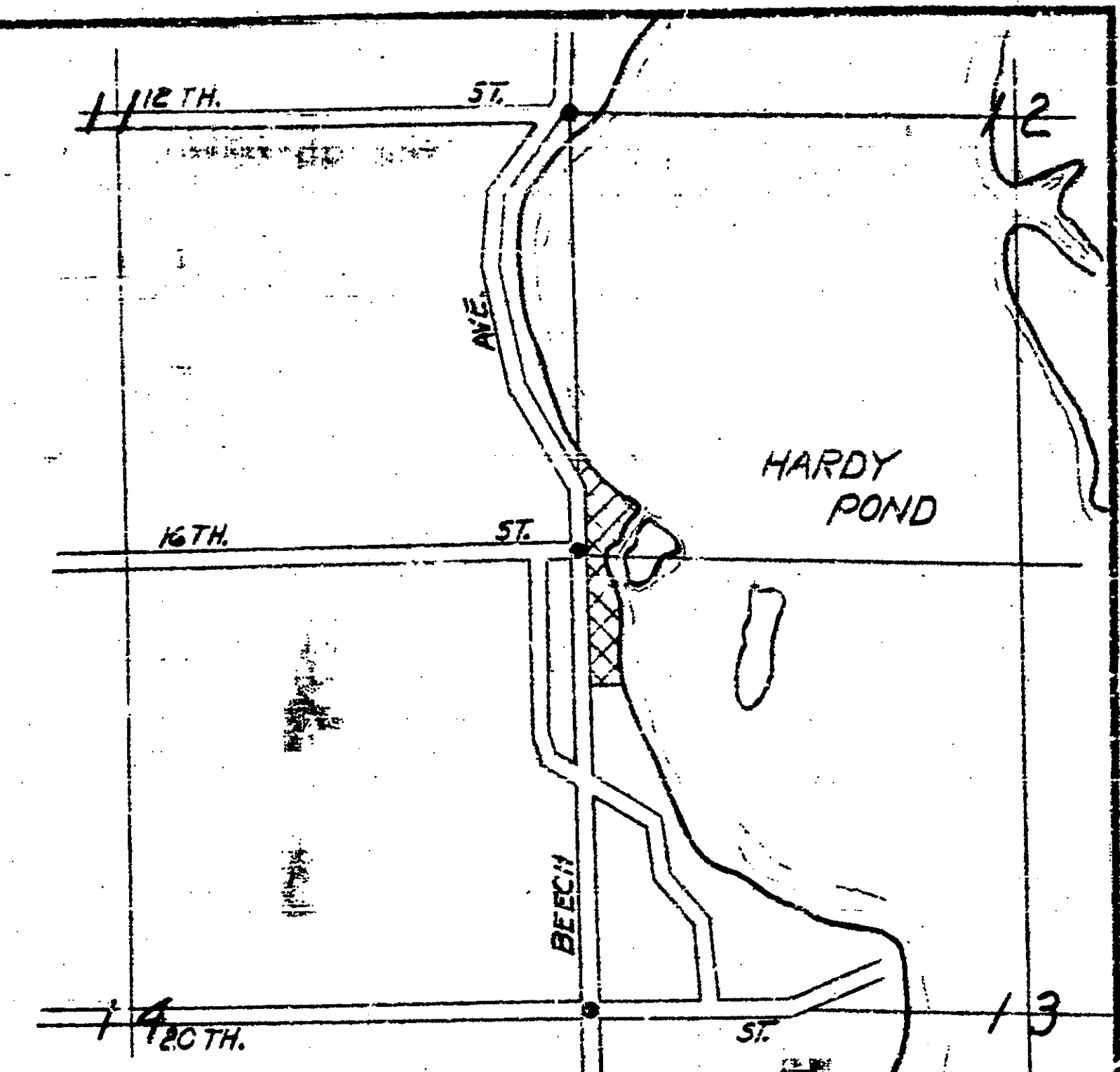
G. K. TO FILE



DWG NO.



HARDY POND



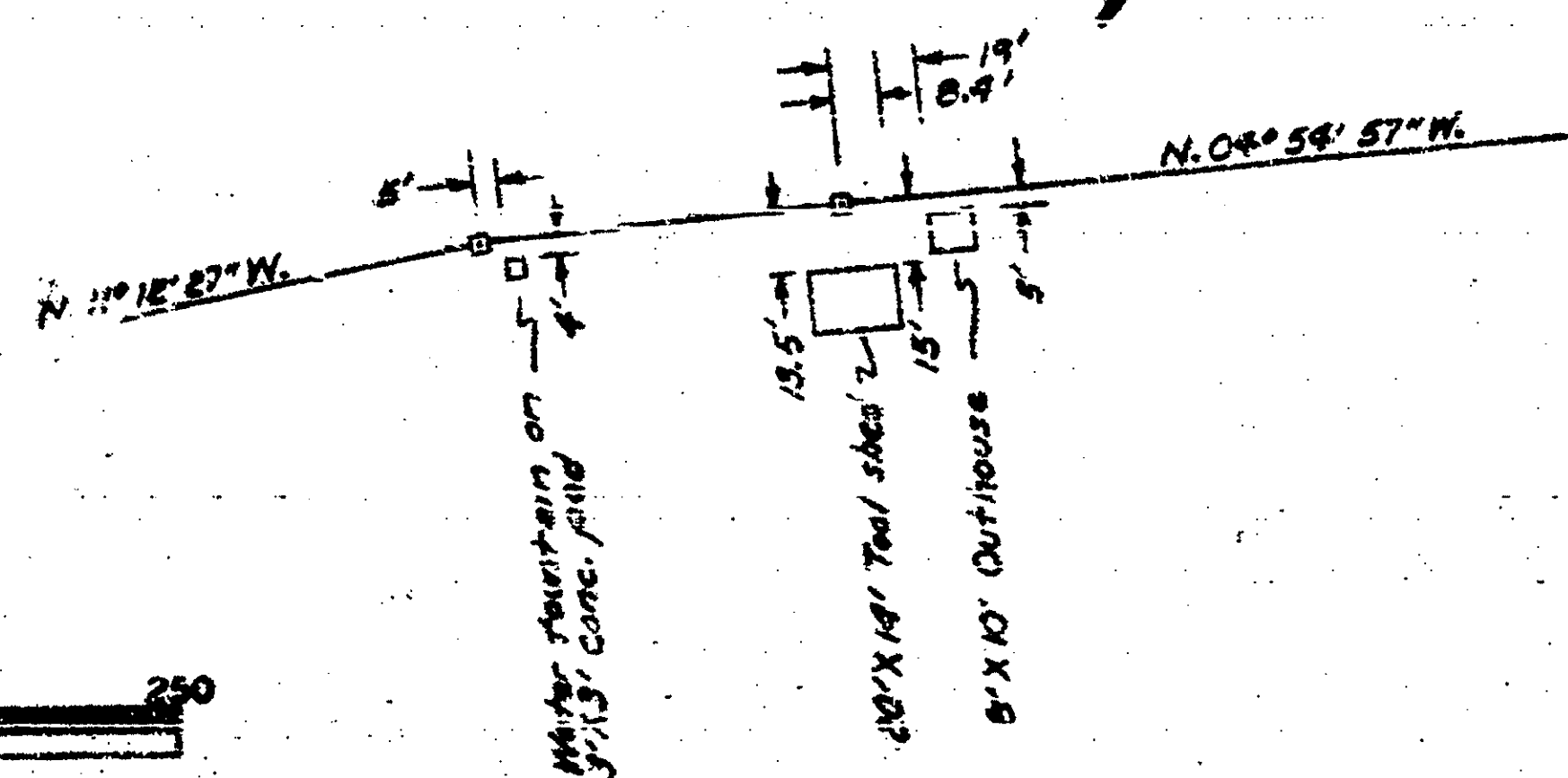
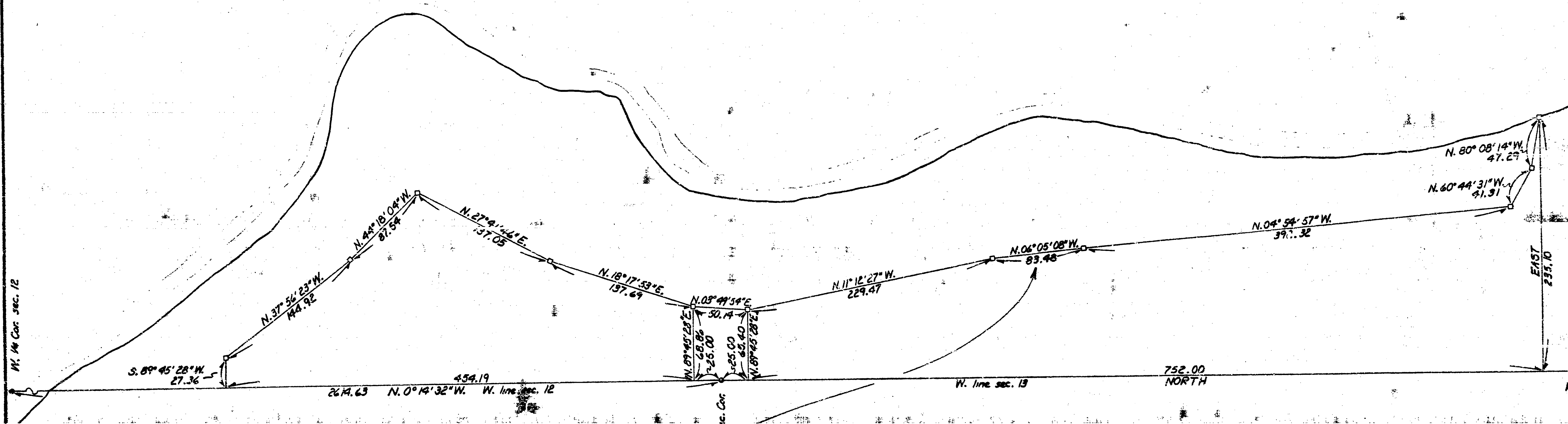
LOCATION MAP  
BIG PRAIRIE TWP NEWAYGO CO.  
T.13N. R.11W. SEC. 12 & 13

LEGEND

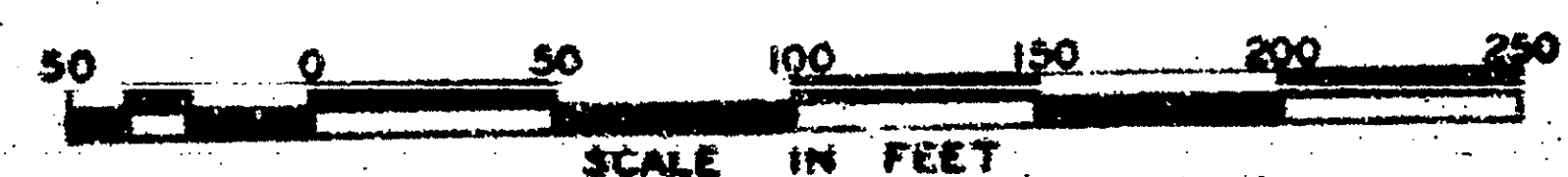
- Corner Found
- Wood Stake With Tank Set

WITNESSES

- Corner Common to Sec's 11, 12, 13 & 14  
Found plat monument at corner of  
167th and Beach  
14" White Oak S. 90° E. 65.04'  
24" Maple S. 90° W. 40.51'  
Street Light Pole East 23.43'  
10" Oak N. 45° W. 65.88'  
7" W. of E. of Beach
- W. 1/4 Cor. Sec. 13  
Found Tile and Crochery, Set 1/2" rebar  
0.36' W. of E. of tile  
22" W. Pine N. 62° E. 23.61'  
24" W. Pine N. 75° W. 77.20'  
E. Gate Post South 47.15'  
P. Pole N. 50° W. 51.20'  
Cyclone Fence East 27.80'
- W. 1/4 Cor. Sec. 13  
Found C.P.Co. marker  
20" Oak S. 50° E. 27.01'  
22" Oak East 28.25'  
16" Oak N. 45° E. 31.13'  
W. 1/4 Cor. Sec. 13 & Beach Ave  
Top of bank West 122'  
East 75 1/2'



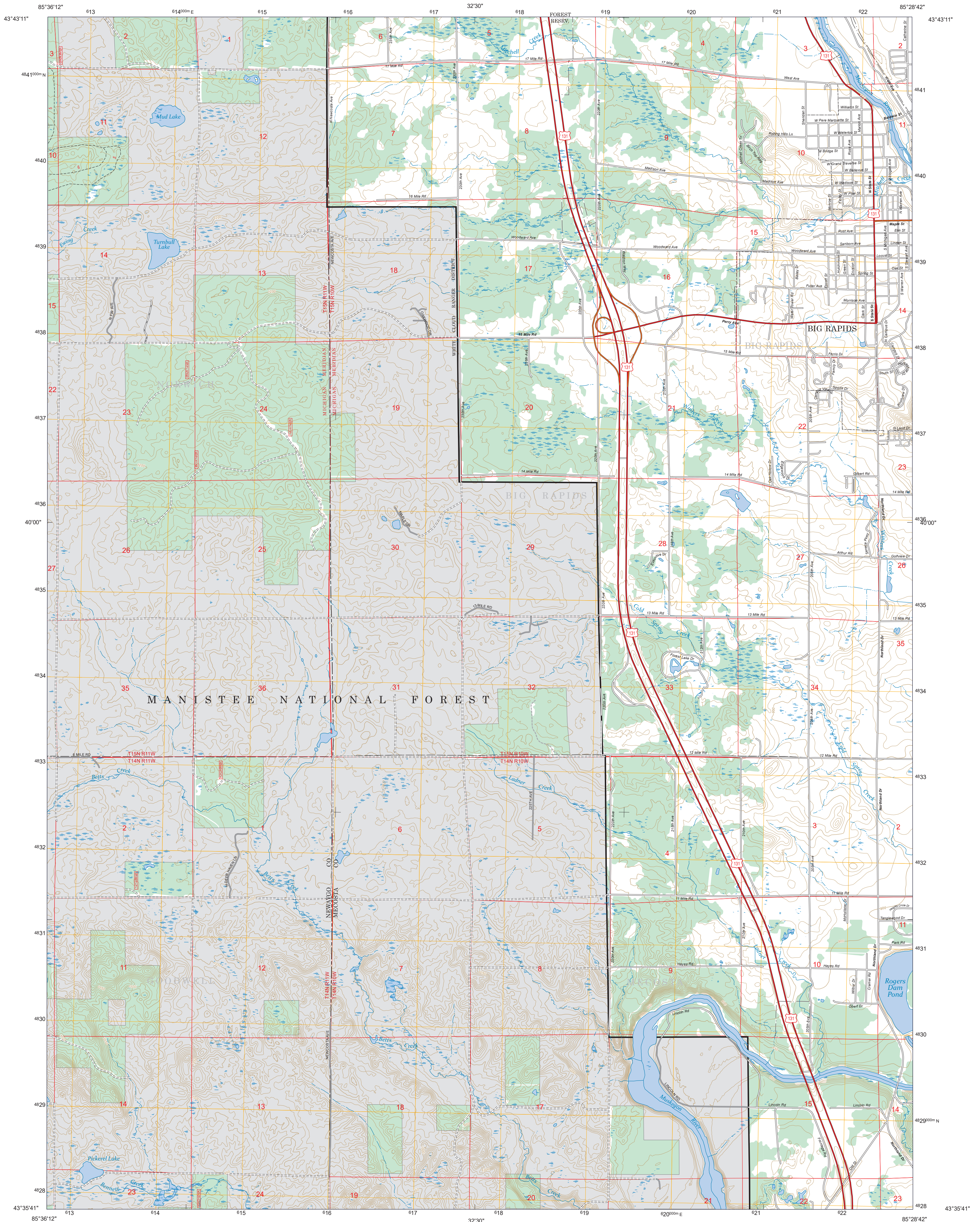
Note: Bearings are based on the West line of section 13 assumed as NORTH



Surveyed by G. Frazier April, 1926, E.B. 1925

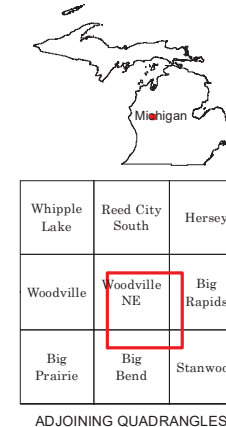
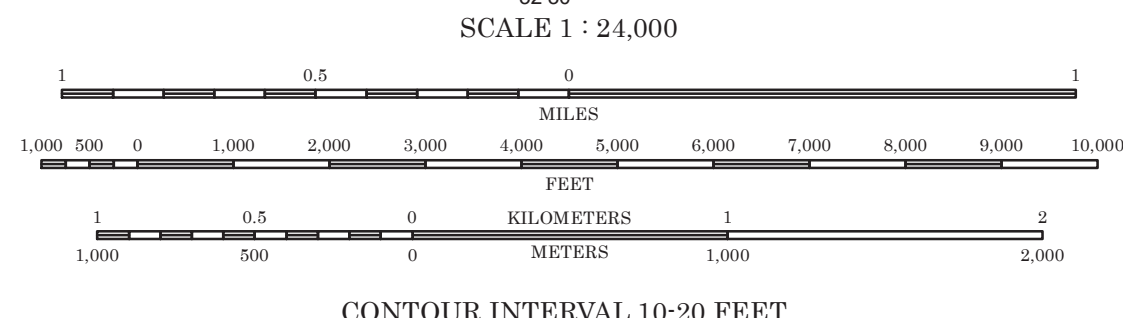
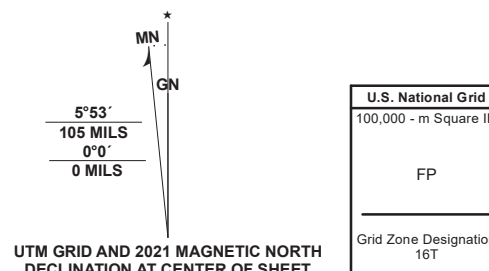
OPERATED TO		REPRESENT DRAWINGS		BY	APP	DATE	DESCRIPTION	BY	APP	DATE	DESCRIPTION
						CONSUMERS POWER CO. JACKSON, MICHIGAN		BIG BEND PARK, HARDY DAM BIG PRAIRIE TWP NEWAYGO CO. T.13N. R.11W. SEC. 12 & 13 SCALE 1" = 50' 5-F 18367 1			





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 North American Datum of 1983 (NAD 83)  
 Projection and 1,000-meter ties: Universal Transverse Mercator, zone 16.  
 Non-National Forest System lands within the National Forest  
 Inholdings may exist in other National or State reservations.  
 This is not a legal document. Public lands are subject to change and leasing, and may have access restrictions. Not all roads and trails on this map are open to motor vehicle use. Check with appropriate officials and obtain appropriate regulatory maps and information. Obtain permission before entering private lands.

Motor Vehicle Use Map (MVUM)  
 The MVUM is a legal enforceable document that identifies the roads, trails, and areas where motor vehicle use is allowed in a Forest Service administrative unit or ranger district. MVUMs are reissued each year. It is the responsibility of motor vehicle users to acquire the MVUM. MVUMs are available FREE at Forest Service offices and at [www.fs.fed.us/recreation/programs/ohv/ohv\\_maps.shtml](http://www.fs.fed.us/recreation/programs/ohv/ohv_maps.shtml)



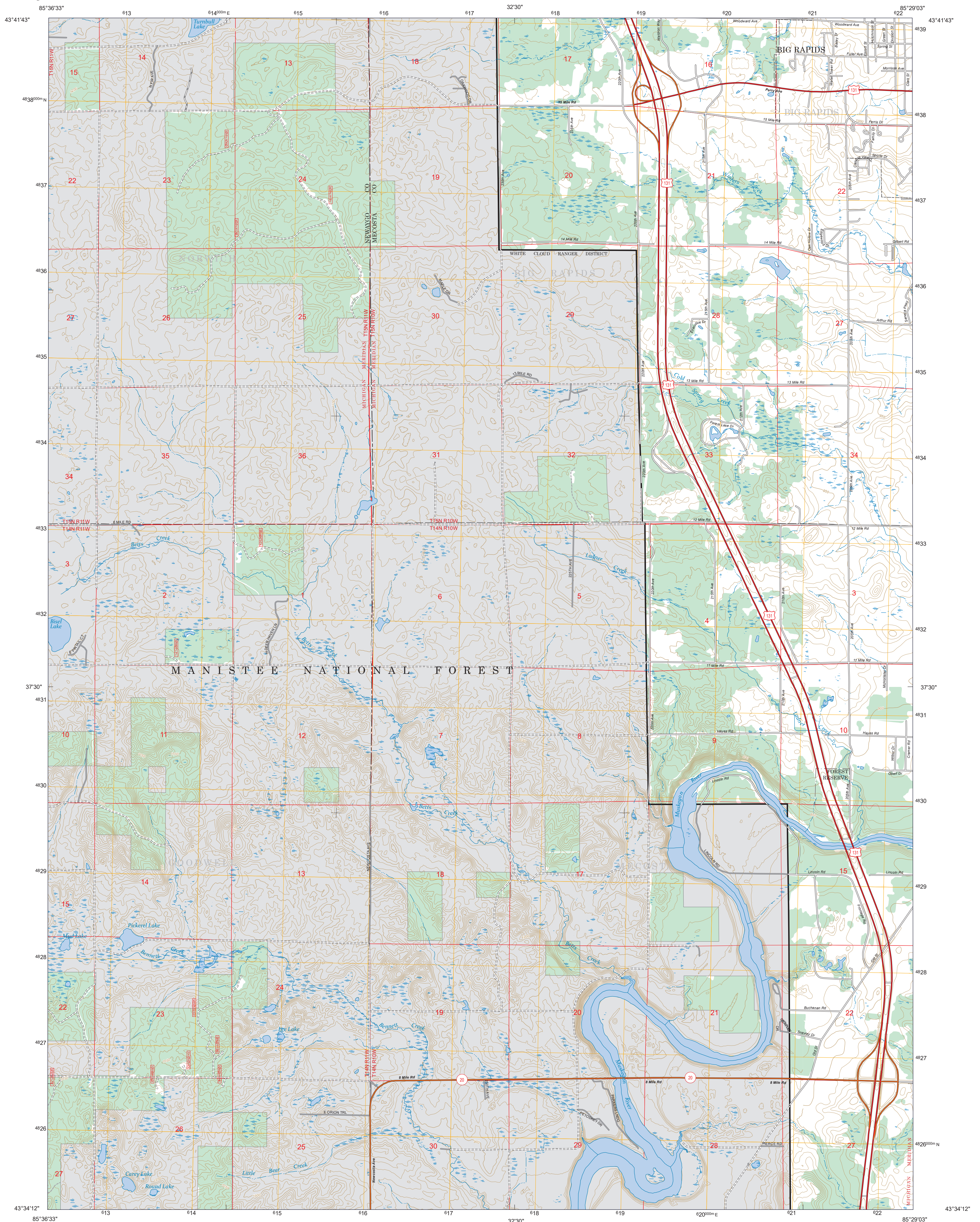
HIGHWAYS AND ROADS			
Interstate.....		Highway, Primary.....	
U.S. ....		Highway, Secondary.....	
State.....		Road, Unspecified.....	
County.....		Road, Paved.....	
National Forest, suitable for passenger cars.....		Road, Gravel.....	
National Forest, suitable for high clearance vehicles.....		Road, Dirt.....	
National Forest Trail.....		Road, Unimproved.....	
		Road, Closed.....	
		Trail.....	

Check with local Forest Service unit for current travel conditions and restrictions.

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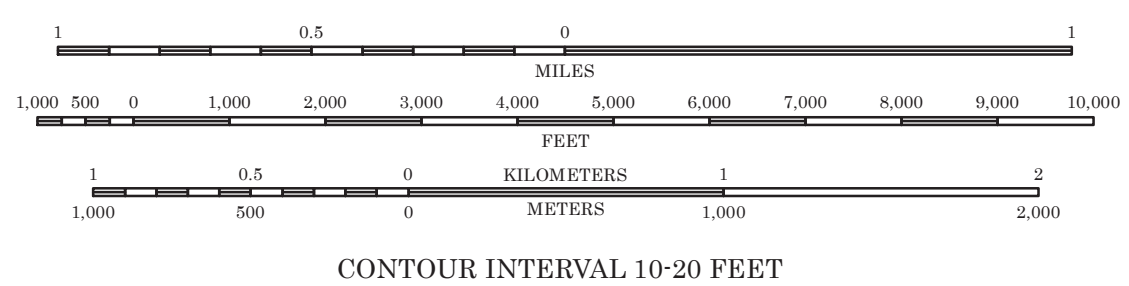
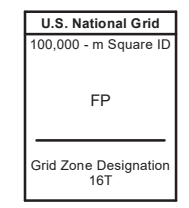
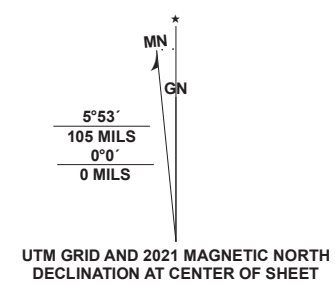
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ADJOINING QUADRANGLES

Whipple Lake	Reed City South	Harvey
Woodville	Big Rapids	Stanwood
Big Prairie	Boon	

HIGHWAYS AND ROADS

Interstate.....		Highway, Primary.....	
U.S. ....		Highway, Secondary.....	
State.....		Road, Unspecified.....	
County.....		Road, Paved.....	
National Forest, suitable for passenger cars.....		Road, Gravel.....	
National Forest, suitable for high clearance vehicles.....		Road, Dirt.....	
National Forest Trail.....		Road, Unimproved.....	
		Road, Closed.....	
		Trail.....	

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This map product uses the most current data available in the USDA Forest Service. This map was produced to conform with Forest Service base map standards. A metadata file associated with this product is draft version 1.0. This product was generated on 1/14/2023



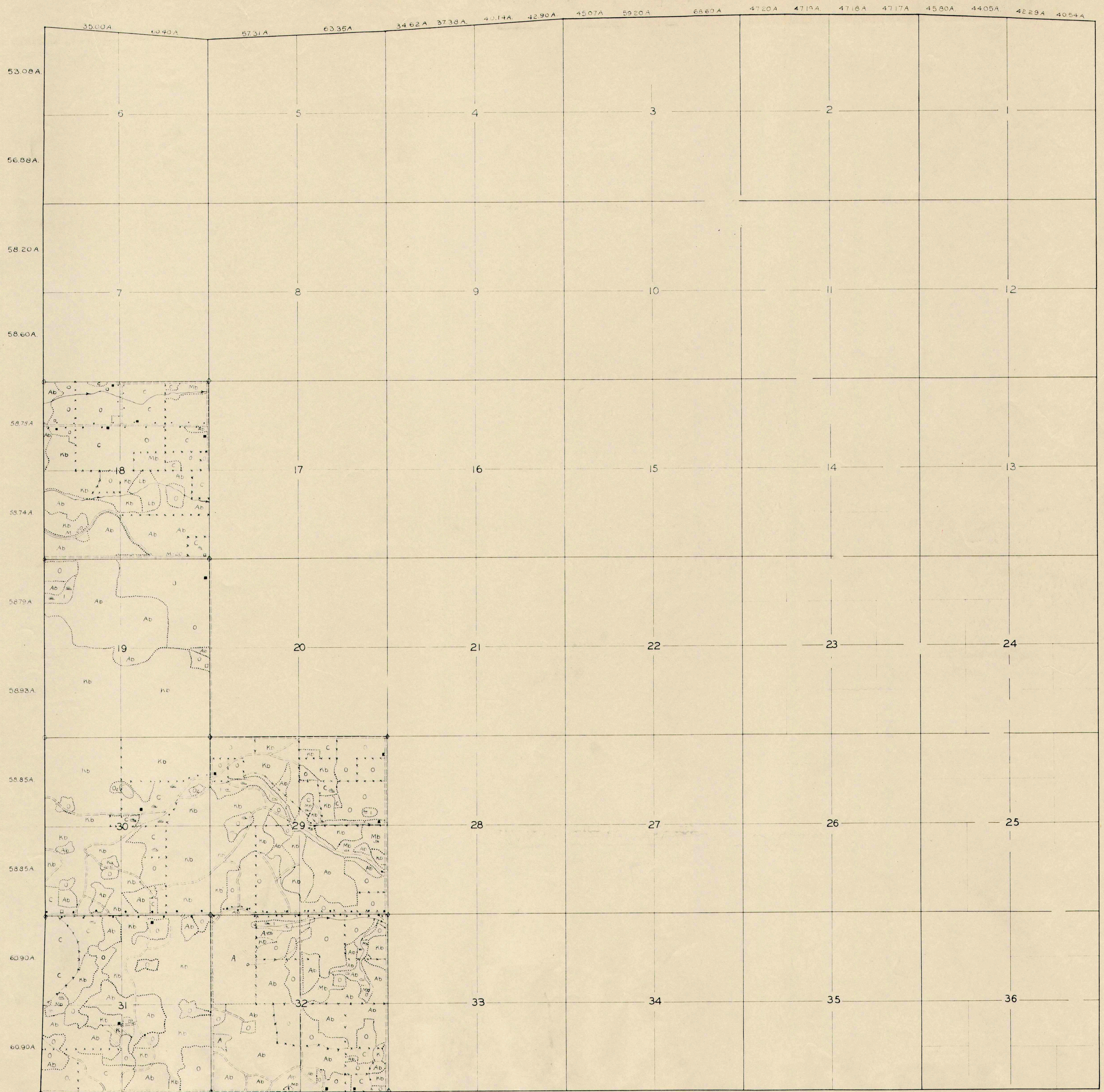






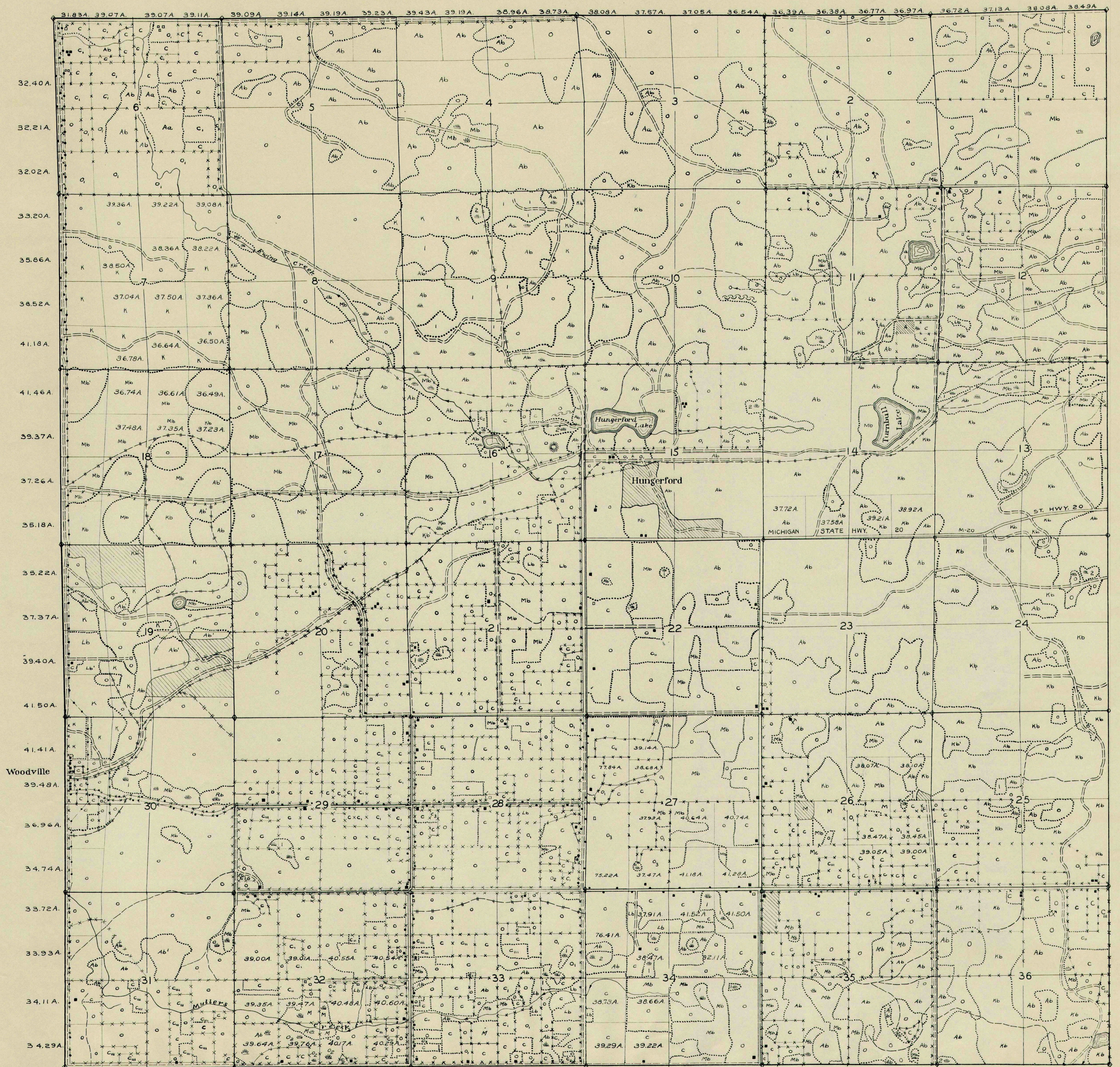


ACQUISITION MAP  
T15N. R.10W. M.M.





# ACQUISITION MAP T15N. R11W. M.M.

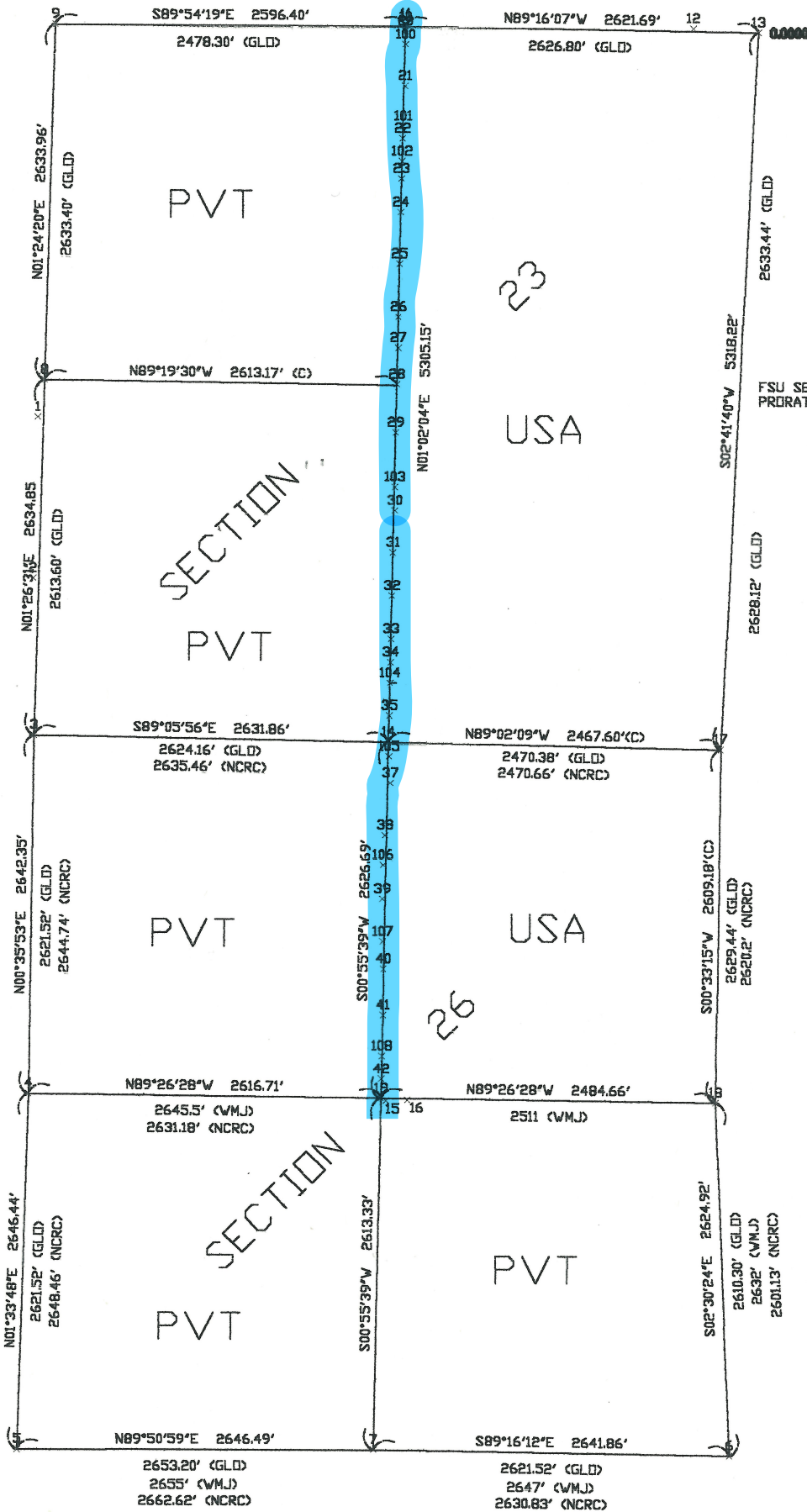




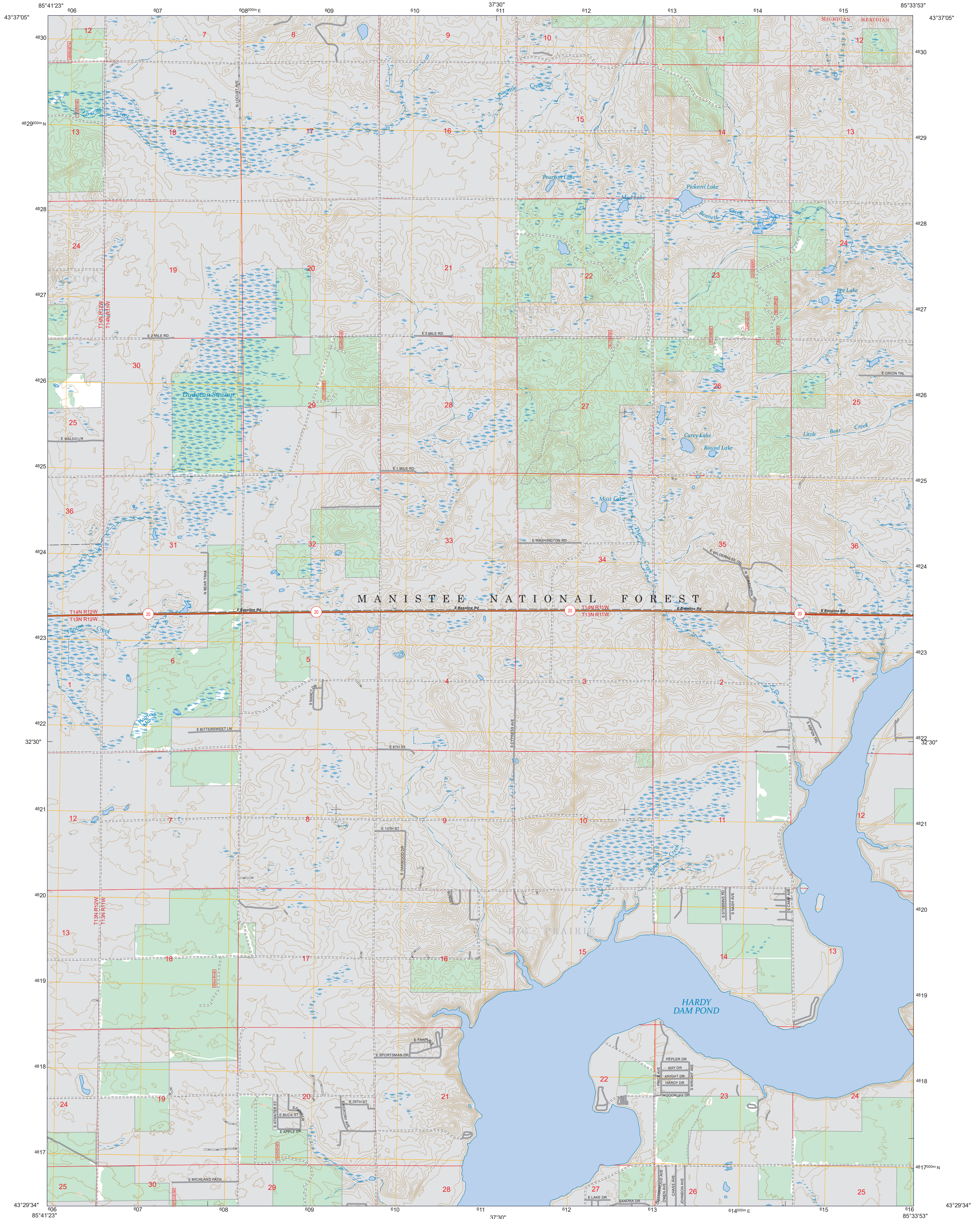
# T15N R11W

SURVEY BY CAROL WAITE MARCH 2000  
 SECTION BREAK PERFORMED USING RTK GPS  
 LINE WORK RAN WITH TOTAL STATION (DAN VALLEY ASSISTING)

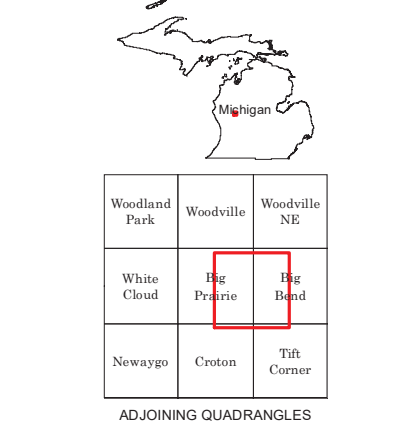
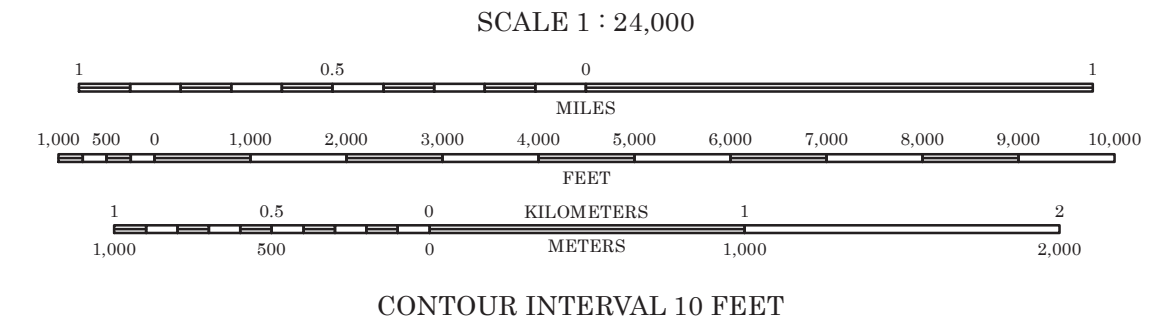
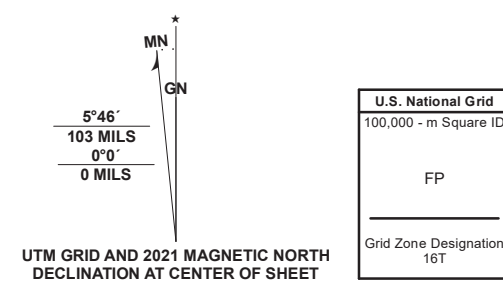
DISTANCES ARE GRID  
 GF = 1.0000965155







Produced by the USDA Forest Service  
 North American Datum of 1983 (NAD 83)  
 Projection and 1,000-meter ties: Universal Transverse Mercator, zone 16.  
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HIGHWAYS AND ROADS

Interstate.....		Highway, Primary.....	
U.S. ....		Highway, Secondary.....	
State.....		Road, Unspecified.....	
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National Forest, suitable for passenger cars.....		Road, Gravel.....	
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National Forest Trail.....		Road, Unimproved.....	
		Road, Closed.....	
		Trail.....	

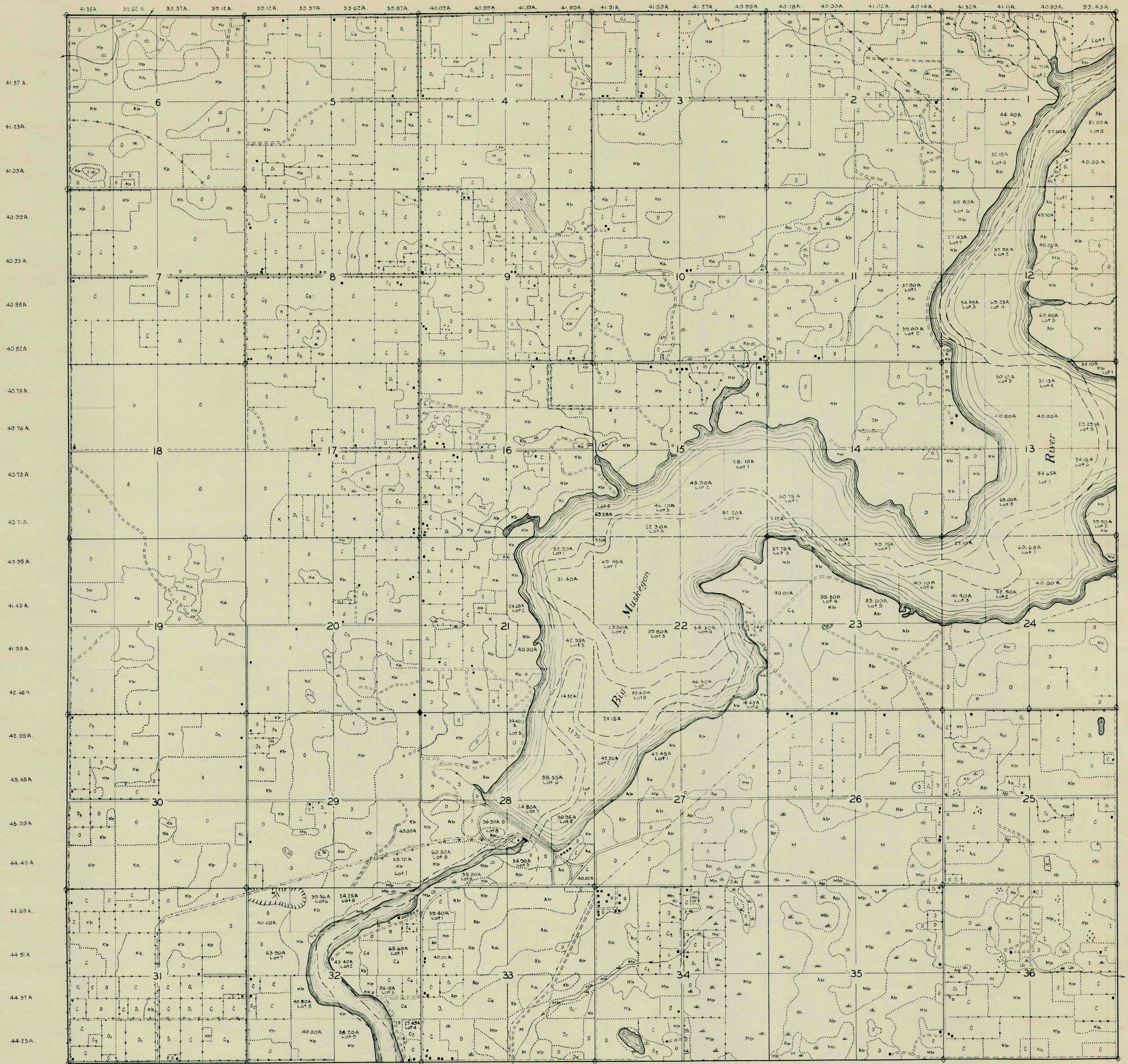
Check with local Forest Service unit for current travel conditions and restrictions.

GNA LOCUST ROAD TS, MI (FSTOPO 2023)

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# ACQUISITION MAP T13N. R11W. M.M.





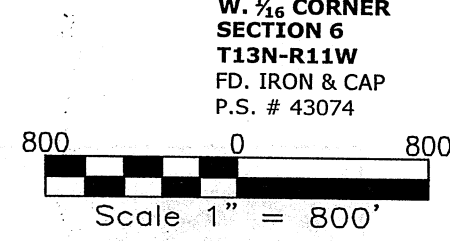
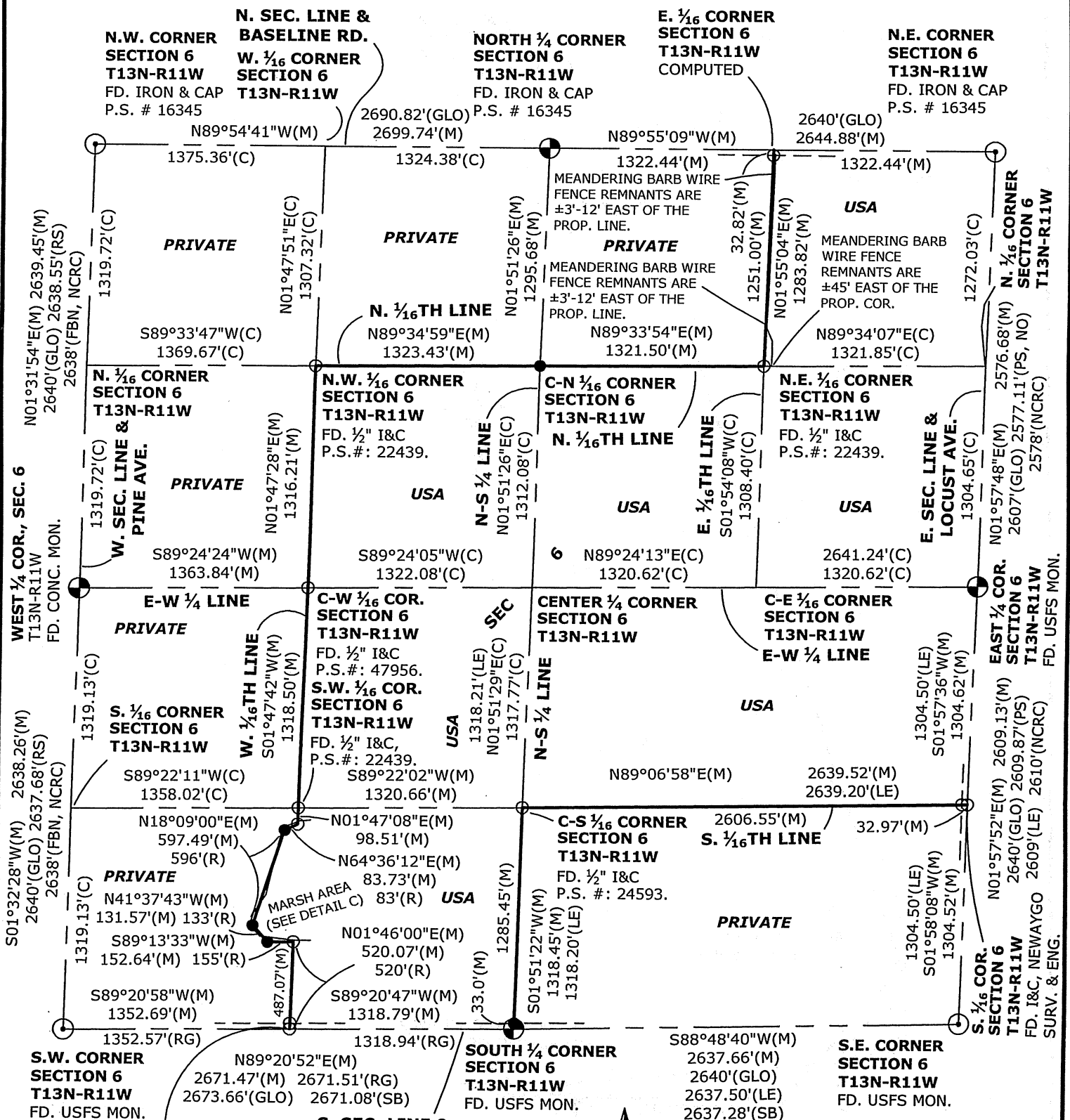






# CERTIFICATE OF SURVEY

COPYRIGHT 2009 LCM Surveying & Engineering



I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



DELIVERED TO NEWAYGO CO.  
04/19/2010 9:37:38 AM



Christopher J. McCrimmon, P.S. No. 47962 Dated: 4/16 2010

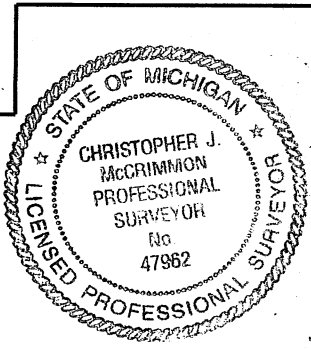
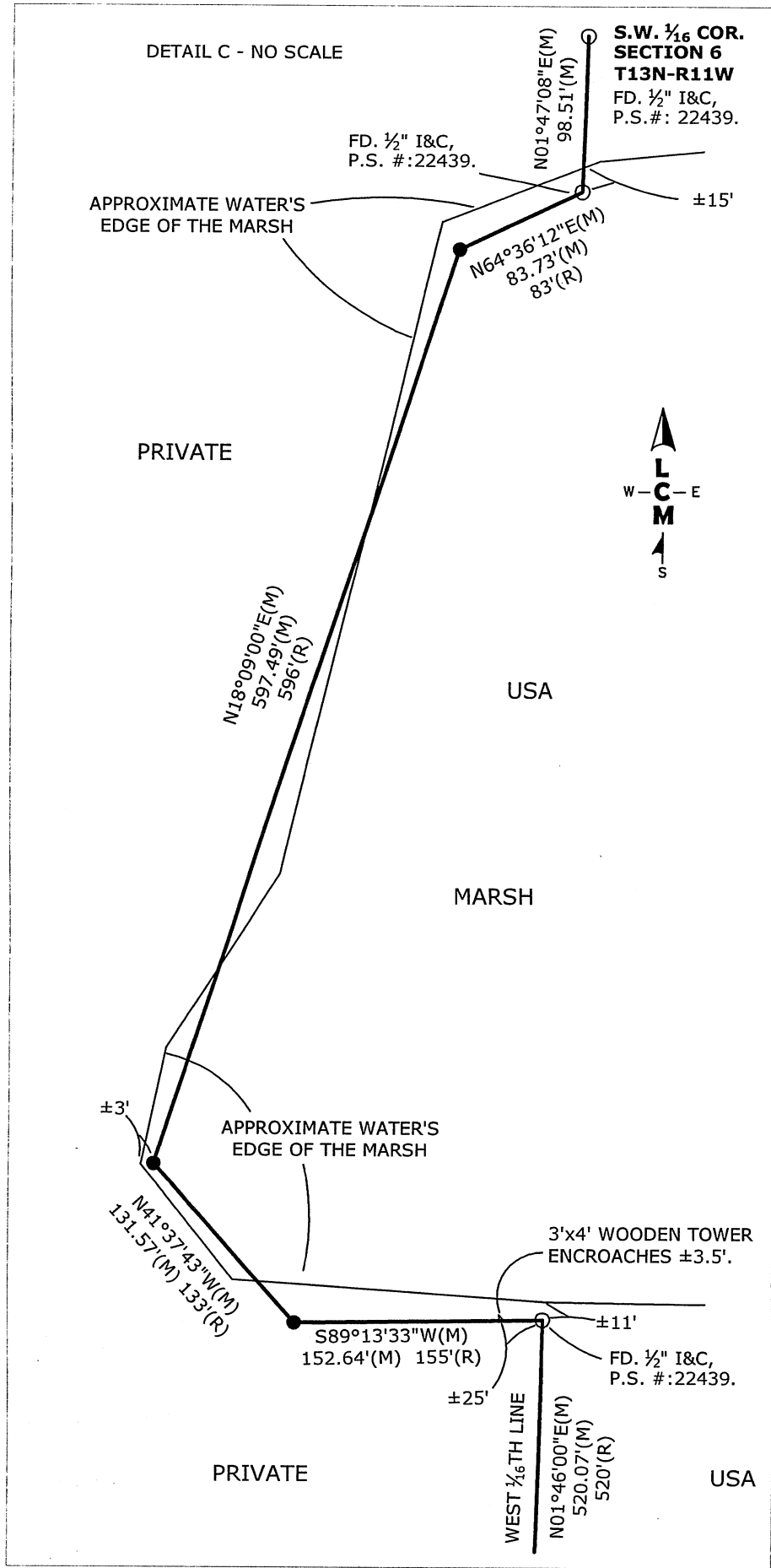
 <b>Surveying &amp; Engineering LLC</b> 1-888-223-4235 PH. 231-743-3000 Fax. 231-743-3001 225 E. MAIN ST. MARION, MI 49665	DATE: 03/17/2010	CLIENT: USFS	
	DRN BY: CJM	PART OF SECTION 6, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN	FB/PG: SEE FILE
	CHD BY: WES/CJM		JOB NO.: 09170
SHEET 1 OF 5			





# CERTIFICATE OF SURVEY

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I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.

*Christopher J. McCrimmon*  
Christopher J. McCrimmon, P.S. No. 47962 Dated: 4/16 2010

<p><b>Surveying &amp; Engineering LLC</b> 1-888-223-4235 PH. 231-743-3000 Fax. 231-743-3001 225 E. MAIN ST. MARION, MI 49665</p>	DATE: 03/17/2010	CLIENT: USFS	FB/PG: SEE FILE
	DRN BY: CJM	PART OF SECTION 6, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN	JOB NO.: 09170
	CHD BY: WES/CJM		
	SHEET 2 OF 5		





# CERTIFICATE OF SURVEY

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**LEGAL DESCRIPTION OF UNITED STATES GOVERNMENT LAND:**

Property located in Section 6, T13N-R11W, Twp. of Big Prairie, Newaygo County, Michigan being described as: The Northeast 1/4 of the Northeast 1/4 **AND** The South 1/2 of the Northeast 1/4 **AND** The Northeast 1/4 of the Southeast 1/4 **AND** The Northwest 1/4 of the Southeast 1/4 **AND** The East 1/2 of the Southwest 1/4 **AND** The Southeast 1/4 of the Northwest 1/4 **AND** That portion of the Southwest 1/4 of the Southwest 1/4 more particularly described as follows: commencing at a point five hundred twenty (520) feet north of the southeast corner of the SW 1/4 SW 1/4, thence south 89° west, one hundred fifty-five (155) feet; thence north 42° 30' west one hundred thirty-three (133) feet; thence north 17° east five hundred ninety-six (596) feet; thence north 64° east eighty three (83) feet to east boundary of said SW 1/4 SW 1/4; thence south seven hundred (700) feet to point of beginning.

**SURVEYORS LEGEND**

- (G.L.O.) = Township Lines - John Hodgson (1837)
- = Subdivision Lines - James Mullett (1837)
- WM = W.S. Merrill (1882, 92)
- DA = Delos Anderson (1895)
- WJ = William Jacques (1905, 08)
- LS = Lyle Shepherd (1916, 35)
- FBN = Undated Field Book Notes, Book 36
- RS = Ralph Smith (1950, 51, 58, 65)
- PP = P. Paquette (1971)
- PS = Patrick Salisbury (1971, 73)
- JE = Jim Evans (1975)
- NO = Norman Ochs (1977, 95)
- LE = Lionel Emery (1981)
- DS = Donald Sandel (1987)
- SB = Sammy Barnett (1989)
- WS = William Sikkema (2006)
- WG = Wayne Griffin (1993)
- RG = Robert Griffin (1976)

**LEGEND**

- Fd. Pipe
- Set Wood Lath On Line
- Set 1/2" X 18" Rerod Iron & Cap
- Fd. Iron as noted.
- ⊕ Fd. Concrete Monument
- ⊗ Section 1/4 Corner
- ⊙ Section Corner
- R Record Ground Distance
- M Measured Grid Distance
- C Calculated Grid Distance
- \_\_\_\_\_ Property Lines Posted & Marked
- T Total Measured Distance

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010

	<b>Surveying &amp; Engineering LLC</b>	DATE: 03/17/2010	CLIENT: USFS	
	1-888-223-4235 PH. 231-743-3000 Fax. 231-743-3001 225 E. MAIN ST. MARION, MI 49665	DRN BY: CJM	PART OF SECTION 6, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN	FB/PG: SEE FILE
		CHD BY: WES/CJM		JOB NO.: 09170
		SHEET 3 OF 5		





# CERTIFICATE OF SURVEY

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The shown measured distances are in NAD 83 Michigan Central Zone State Plane Grid in international feet. The conversion to ground distance is performed by the formula:

GRID DISTANCE

= GROUND DISTANCE

COMBINED GRID FACTOR

The COMBINED FACTOR used for this project was = 1.000179549, which is an average combined factor between the N ¼ Corner of Section 5 and the SW Corner of Section 30. Conversion from international feet to meters is 1 FOOT = 0.3048 METERS.

NOTES: We are reporting the coordinates for this project in MICHIGAN CENTRAL GRID, although our location is in MICHIGAN SOUTH GRID, therefore the difference between GRID and GROUND distances are larger than normal.

The STATE PLANE COORDINATES for this project were established using the MICHIGAN CORS NETWORK - NAD 83 (CORS 1996).

**SOUTHWEST CORNER**

**SECTION 6**

**T13N-R11W**

Fd. 5" sq. concrete mon.  
 N48E - 4"x4" Wood Post - 46.72'  
 S75E - 6" W. Oak - 97.67'  
 N67W - 18" W. Pine - 111.23'  
 N45W - 4" x 36" Conc. Mon. 46.60'  
 N32W - N.E. Cor. of Garage - 87.73'

**SOUTH ¼ CORNER**

**SECTION 6**

**T13N-R11W**

Fd. 5" sq. concrete mon.  
 N65E - 14" W. Pine - 125.91'  
 South - 16" R. Pine - 185.34'  
 S80W - 10"-10" Tw. W. Oak - 111.55'  
 N60W - P. Pole - 54.07'

**SOUTHEAST CORNER**

**SECTION 6**

**T13N-R11W**

Fd. 5" sq. concrete mon.  
 East - P. Pole - 72.47'  
 S51W - 6" W. Pine - 53.54'  
 S76W - 20" W. Pine - 50.85'  
 N20W - 22" W. Oak - 83.71'

**EAST ¼ CORNER**

**SECTION 6**

**T13N-R11W**

Fd. broken 5" sq. concrete mon. used iron in the center.  
 N35E - 14" W. Pine - 72.57'  
 S80E - 15" B. Oak - 51.95'  
 S30E - 16" B. Oak - 49.68'  
 S82W - 12" W. Pine - 38.71'

**NORTHEAST CORNER**

**SECTION 6**

**T13N-R11W**

Fd. ½" iron and cap,  
 P.S. #: 16345 in Mon. Box.  
 N68E - 24"-26" Tw. B. Oak - 106.20'  
 East - S.W. Corner Section 32,  
 T14N-R11W - 19.68'  
 S40E - 20" R. Pine - 60.37'  
 S46W - Guy Pole - 56.51'  
 N47W - P. Pole - 48.35'

**NORTH ¼ CORNER**

**SECTION 6**

**T13N-R11W**

Fd. ½" iron and cap,  
 P.S. #: 16345 in Mon. Box.  
 N25E - 3" Diameter Conc. Mon. - 37.50'  
 East - S. ¼ Corner, Sec. 31, T14N-R11W - 17.45'  
 S64E - P. Pole - 77.68'  
 N08W - 6" Maple - 41.26'

**NORTHWEST CORNER**

**SECTION 6**

**T13N-R11W**

Fd. ½" iron and cap,  
 P.S. #: 16345 in Mon. Box.  
 N68E - 18" W. Oak - 107.55'  
 S37E - N.W. Leg of Tower @ ground - 57.38'  
 N67W - 26" Forked B. Oak - 91.55'  
 N48W - 18" B. Oak - 75.00'

**WEST ¼ CORNER**

**SECTION 6**

**T13N-R11W**

Fd. 5" sq. concrete mon.  
 East - 4"x4" Post - 32.91'  
 S14E - CP Tower #4254 - 109.25'  
 N87W - 11" B. Oak - 42.03'  
 N29W - 9" B. Oak - 66.06'

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010

	<b>Surveying &amp; Engineering LLC</b>	DATE: 03/17/2010	CLIENT: USFS
	1-888-223-4235	DRN BY: CJM	PART OF SECTION 6, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN
	PH. 231-743-3000 Fax. 231-743-3001	CHD BY: WES/CJM	
	225 E. MAIN ST. MARION, MI 49665	SHEET 4 OF 5	
		FB/PG: SEE FILE	JOB NO.: 09170





# CERTIFICATE OF SURVEY

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18 March 2010

<b>INPUT</b> State Plane, NAD83 2112 - Michigan Central, Int. Feet Vertical - GRS80 (Geoid03), Int. Feet	<b>OUTPUT</b> Geographic, NAD83 Vertical - GRS80 (Geoid03), Int. Feet
---	---

<b>SW61311</b>	<b>27</b>
Northing/Y: 84445.7380	Latitude: 43 32 25.87565
Eastng/X: 19336199.0630	Longitude: 85 40 55.21513
Elevation/Z: 914.743	Elevation/Z: 914.743
Convergence: -0 55 44.99104	
Scale Factor: 1.000209059	
Combined Factor: 1.000170526	

<b>S 1/16TH COR - E. LINE</b>	<b>70</b>
Northing/Y: 85834.6260	Latitude: 43 32 40.43859
Eastng/X: 19341552.2770	Longitude: 85 39 42.86322
Elevation/Z: 932.054	Elevation/Z: 932.054
Convergence: -0 54 53.88112	
Scale Factor: 1.000207359	
Combined Factor: 1.000167989	

<b>S1461311</b>	<b>30</b>
Northing/Y: 84476.1440	Latitude: 43 32 26.60194
Eastng/X: 19338870.3610	Longitude: 85 40 18.96742
Elevation/Z: 913.045	Elevation/Z: 913.045
Convergence: -0 55 19.38539	
Scale Factor: 1.000208974	
Combined Factor: 1.000170518	

<b>W 1/16TH COR - S. LINE</b>	<b>71</b>
Northing/Y: 84461.0980	Latitude: 43 32 26.24345
Eastng/X: 19337551.6610	Longitude: 85 40 36.86131
Elevation/Z: 912.939	Elevation/Z: 912.939
Convergence: -0 55 32.02577	
Scale Factor: 1.000209016	
Combined Factor: 1.000170567	

<b>W1461311</b>	<b>33</b>
Northing/Y: 87083.0500	Latitude: 43 32 51.92483
Eastng/X: 19336270.0170	Longitude: 85 40 54.83262
Elevation/Z: 912.400	Elevation/Z: 912.400
Convergence: -0 55 44.72083	
Scale Factor: 1.000206021	
Combined Factor: 1.000167599	

<b>C-S 1/16TH COR</b>	<b>97</b>
Northing/Y: 85793.9060	Latitude: 43 32 39.61883
Eastng/X: 19338913.0680	Longitude: 85 40 18.67563
Elevation/Z: 922.089	Elevation/Z: 922.089
Convergence: -0 55 19.17927	
Scale Factor: 1.000207455	
Combined Factor: 1.000168565	

<b>NE61311</b>	<b>40</b>
Northing/Y: 89713.6440	Latitude: 43 33 18.75676
Eastng/X: 19341685.1760	Longitude: 85 39 41.90007
Elevation/Z: 939.151	Elevation/Z: 939.151
Convergence: -0 54 53.20074	
Scale Factor: 1.000202908	
Combined Factor: 1.000163198	

<b>SW 1/16TH COR</b>	<b>104</b>
Northing/Y: 85779.3223	Latitude: 43 32 39.26462
Eastng/X: 19337592.4836	Longitude: 85 40 36.59629
Elevation/Z: 912.931	Elevation/Z: 912.931
Convergence: -0 55 31.83856	
Scale Factor: 1.000207496	
Combined Factor: 1.000169046	

<b>NW61311</b>	<b>42</b>
Northing/Y: 89721.5550	Latitude: 43 33 17.98577
Eastng/X: 19336340.5670	Longitude: 85 40 54.45576
Elevation/Z: 924.098	Elevation/Z: 924.098
Convergence: -0 55 44.45461	
Scale Factor: 1.000202998	
Combined Factor: 1.000164015	

<b>C-W 1/16TH COR</b>	<b>108</b>
Northing/Y: 87097.1767	Latitude: 43 32 52.28222
Eastng/X: 19337633.7817	Longitude: 85 40 36.32471
Elevation/Z: 921.875	Elevation/Z: 921.875
Convergence: -0 55 31.64671	
Scale Factor: 1.000205980	
Combined Factor: 1.000167102	

<b>N1461311</b>	<b>43</b>
Northing/Y: 89717.3730	Latitude: 43 33 18.37502
Eastng/X: 19339040.3040	Longitude: 85 40 17.80553
Elevation/Z: 918.985	Elevation/Z: 918.985
Convergence: -0 55 18.56462	
Scale Factor: 1.000202953	
Combined Factor: 1.000164211	

<b>NW 1/16TH COR</b>	<b>111</b>
Northing/Y: 88412.7477	Latitude: 43 33 05.27726
Eastng/X: 19337674.9178	Longitude: 85 40 36.05478
Elevation/Z: 921.866	Elevation/Z: 921.866
Convergence: -0 55 31.45603	
Scale Factor: 1.000204470	
Combined Factor: 1.000165593	

<b>SE61311</b>	<b>68</b>
Northing/Y: 84530.8770	Latitude: 43 32 27.55974
Eastng/X: 19341507.4580	Longitude: 85 39 43.18891
Elevation/Z: 943.318	Elevation/Z: 943.318
Convergence: -0 54 54.11119	
Scale Factor: 1.000208862	
Combined Factor: 1.000168954	

<b>NE 1/16TH COR</b>	<b>116</b>
Northing/Y: 88432.4104	Latitude: 43 33 05.89158
Eastng/X: 19340319.7786	Longitude: 85 40 00.15682
Elevation/Z: 934.910	Elevation/Z: 934.910
Convergence: -0 55 06.09744	
Scale Factor: 1.000204399	
Combined Factor: 1.000164893	

<b>E1461311</b>	<b>69</b>
Northing/Y: 87138.4780	Latitude: 43 32 53.31843
Eastng/X: 19341596.8960	Longitude: 85 39 42.54023
Elevation/Z: 927.677	Elevation/Z: 927.677
Convergence: -0 54 53.65295	
Scale Factor: 1.000205859	
Combined Factor: 1.000166698	

<b>C-N 1/16TH COR</b>	<b>3021</b>
Northing/Y: 88422.3780	Latitude: 43 33 05.58299
Eastng/X: 19338998.3170	Longitude: 85 40 18.09263
Elevation/Z: 913.045	Elevation/Z: 913.045
Convergence: -0 55 18.76743	
Scale Factor: 1.000204435	
Combined Factor: 1.000165977	

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*  
 Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010

**LCM Surveying & Engineering LLC**  
 1-888-223-4235  
 PH. 231-743-3000 Fax. 231-743-3001  
 225 E. MAIN ST. MARION, MI 49665

DATE: 03/17/2010  
 DRN BY: CJM  
 CHD BY: WES/CJM  
 SHEET 5 OF 5

CLIENT: USFS  
 PART OF SECTION 6,  
 T13N, R11W, BIG PRAIRIE TOWNSHIP,  
 NEWAYGO COUNTY, MICHIGAN

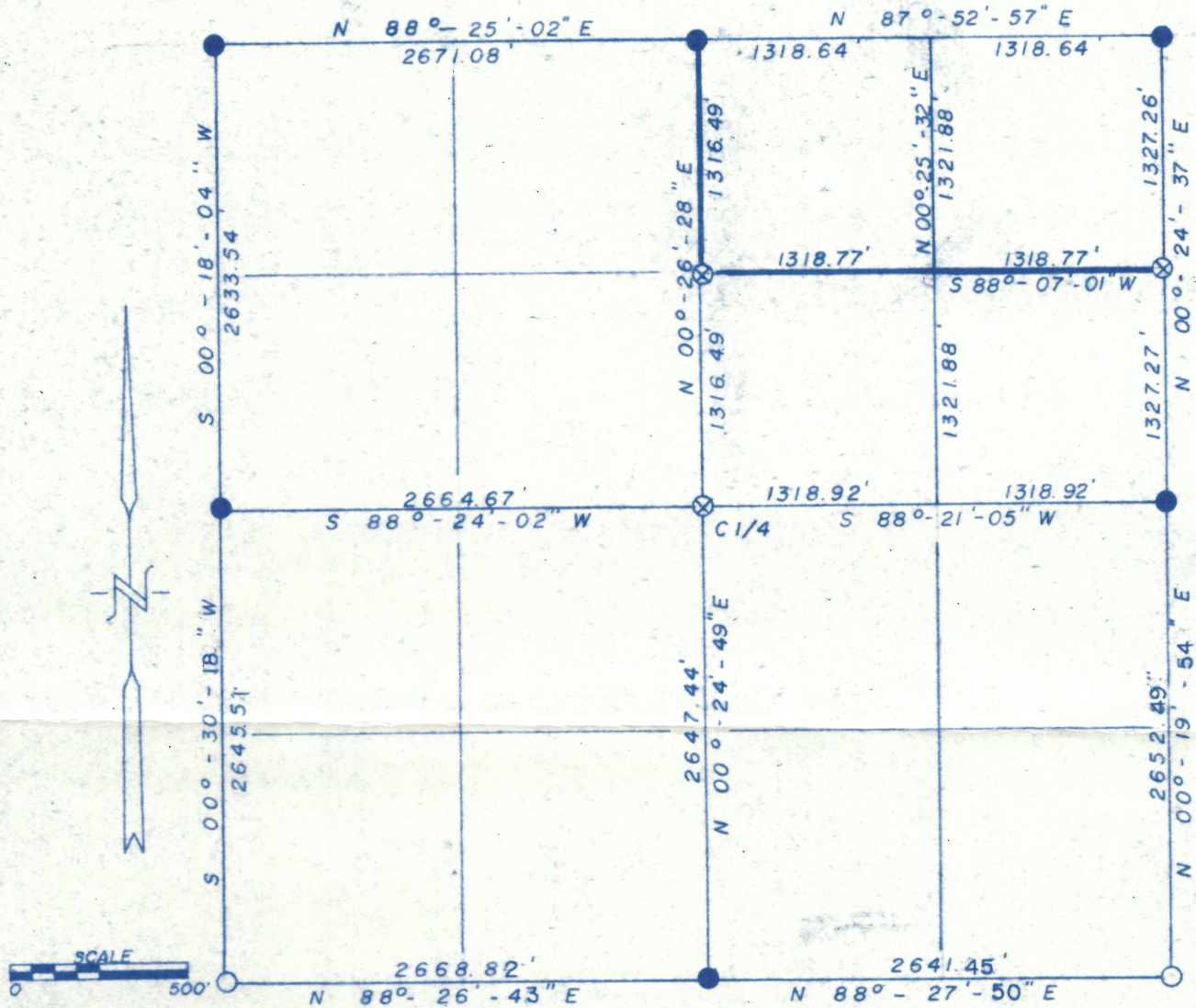
FB/PG:  
 SEE FILE  
 JOB NO.:  
 09170



# CERTIFIED SURVEY MAP

SECTION 7, T13N, R11W  
NEWAYGO COUNTY, MICHIGAN

LIBER PAGE



LEGEND ;

- = CONCRETE MONUMENT W/BRASS CAP
- ⊗ = 1/2" RE-ROD W/RLS CAP
- = IRON PIPE
- = BOUNDARY LINE

BEARING DATA FROM SOLAR  
OBSERVATION ON 10/19/88.  
DISTANCES SHOWN ARE FEET AND  
HUNDREDTHS THEREOF.

I, SAMMY S. BARNETT # 16923 DO CERTIFY THAT THE  
ATTACHED DRAWING REPRESENTS A SURVEY MADE  
BY ME AND THAT THE REQUIREMENTS OF ACT 132  
HAVE COMPLIED WITH, A RATIO OF CLOSURE WAS  
GREATER THAN 1ft. IN 5000ft., BEARING DATUM AS

SHEET 1 OF 6



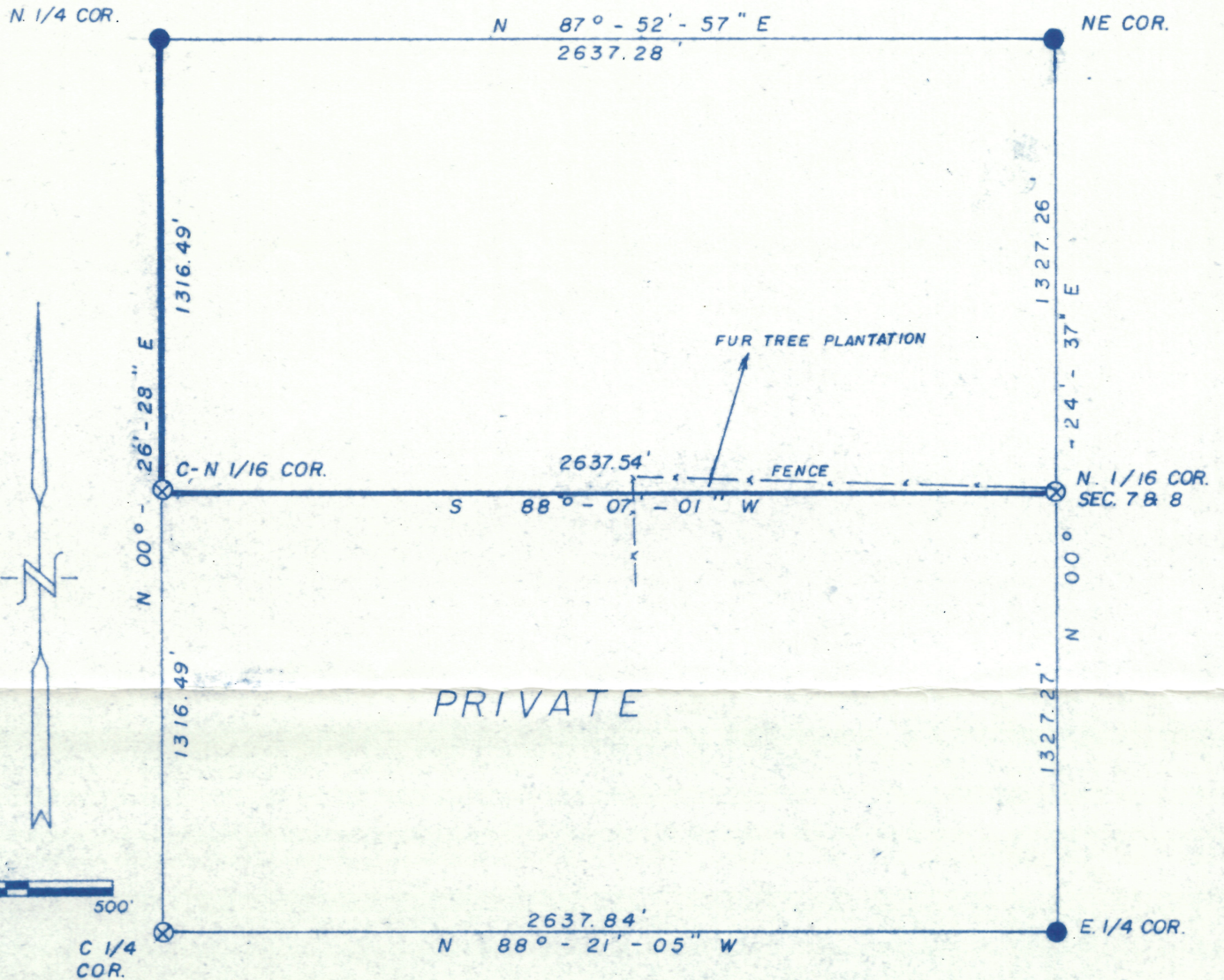
UNITED STATES FOREST SERVICE

SCALE	1" = 1000'	DATE	1 / 9 / 89
DRAWN BY	K.R.P.	JOB NO.	88034
BARNETT SURVICE, INC. P.O. BOX 474 BRANCH, MI. 49402			



CERTIFIED SURVEY MAP  
 NORTHEAST QUARTER  
 SECTION 7, T13N,R11W

LIBER \_\_\_\_\_ PAGE \_\_\_\_\_



LEGEND;

- = CONCRETE MONUMENT W/BRASS CAP
- ⊗ = 1/2" RE-ROD W/RLS CAP
- = BOUNDARY LINE

DISTANCES SHOWN ARE FEET AND HUNDREDTHS THEREOF.

I, SAMMY S. BARNETT # 16923 DO CERTIFY THAT THE ATTACHED DRAWING REPRESENTS A SURVEY MADE BY ME AND THAT THE REQUIREMENTS OF ACT 132 HAVE COMPLIED WITH, A RATIO OF CLOSURE WAS GREATER THAN 1/10, IN 5000ft., BEARING DATUM AS SHOWN.

SHEET 2 OF 6

UNITED STATES FOREST SERVICE

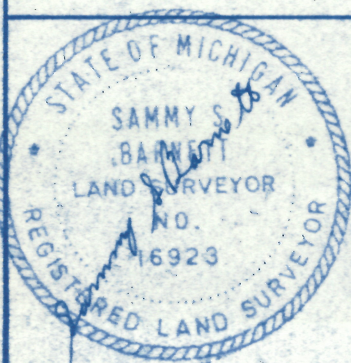
SCALE 1" = 500'

DATE 1 / 9 / 89

DRAWN BY K.R.P.

JOB NO. 88034

BARNETT SURVEY, INC.  
 P.O. BOX 474  
 BRANCH, MI. 49402





# CERTIFIED SURVEY

LIBER \_\_\_\_\_ PAGE \_\_\_\_\_

THE PURPOSE OF THIS SURVEY WAS TO MARK THE BOUNDARY LINES OF THE NATIONAL FOREST LANDS WITHIN SECTION 7, T. 13 N., R. 11 W.

THE SAID BOUNDARY LINES WERE MARKED WITH CARSONITE POST PLACED AT INNERSVISIBLE DISTANCES AND THE TREES ALONG SAID LINES WERE PAINTED AND BLAZED, RED PAINT WAS USED.

## WITNESSES

EAST 1/4 COR. SEC. 7  
5" x 36" CONC. MON.

4" CONC. FENCE POST N 53° W 38.10'  
POWER POLE N 41° E 105.00'  
POWER POLE S 23° E 150.07'

WEST 1/4 COR. SEC. 7  
5" x 36" CONC. MON.

B. OAK 8" S 51° E 42.80'  
R. PINE 5" S 31° W 93.11'  
POWER POLE #2901-7 N 87° W 100.15'

SOUTH 1/4 COR. SEC. 7  
5" x 36" CONC. MON.

R. PINE 9" S 55° E 21.98'  
W. CHERRY 6" S 33° W 50.84'  
R. PINE 4" N 50° E 22.81'  
CARSONITE 1.0' SOUTH

CENTER-1/4 COR. SEC. 7  
RLS CAPPED RE-ROD

OAK 20" N 20° E 43.83'  
OAK 15" N 60° W 54.48'  
COR. 3' of C-L ROAD

CENTER-NORTH 1/16 COR. SEC. 7  
1/2" RE-ROD W/ RLS CAP

✓ R. PINE 4" S 51° W 42.80' 9" NAIL E  
✓ W. PINE 22" N 15° E 26.75' 24" NAIL SE  
✓ W. PINE 10" S 47° 12.30' 14" NAIL NE  
✓ CARSONITE 1.5' EAST → DEAD & STANDING

NORTH-1/16 COR. SEC. 7 & 8  
1/2" RE-ROD W/ RSL CAP

✓ POWER POLE S 85° E 71.90' NAIL N.  
✓ B. OAK 8" S 35° W 87.11' 17" NAIL SE  
✓ B. OAK 7" N 62° W 60.22' 13" NAIL SW  
✓ CARSONITE 33' WEST

6/11/09 L. MARTIN C. SONDEREGGER

FND. B/C #16923/#25847

C/L LOCUST AVE. ± 1' W.

## DESCRIPTION

SURVEY OF THE WEST AND SOUTH LINES OF THE N 1/2 OF THE NE 1/4 OF SECTION 7, T13N, R11W, NEWAYGO COUNTY, MICHIGAN



SHEET 3 OF 6

DRAWN BY K. R. P.

JOB NO. 88034

DATE 1/9/89

THE LAND CORNERS RELATIVE TO THIS SURVEY WERE MONUMENTED AND WITNESSED AS FOLLOWS, AND HAVE BEEN RECORDED IN ACCORDANCE WITH ACT 74 MICHIGAN, P. A. 1970.

I, SAMMY S. BARNETT RLS # 16923 DO CERTIFY THAT THE ATTACHED DRAWING REPRESENTS A SURVEY MADE BY ME AND THAT THE REQUIREMENTS OF ACT 132, HAVE COMPLIED WITH, RATIO OF CLOSURE WAS GREATER THAN 1 IN 5000, BEARING DATUM AS SHOWN.

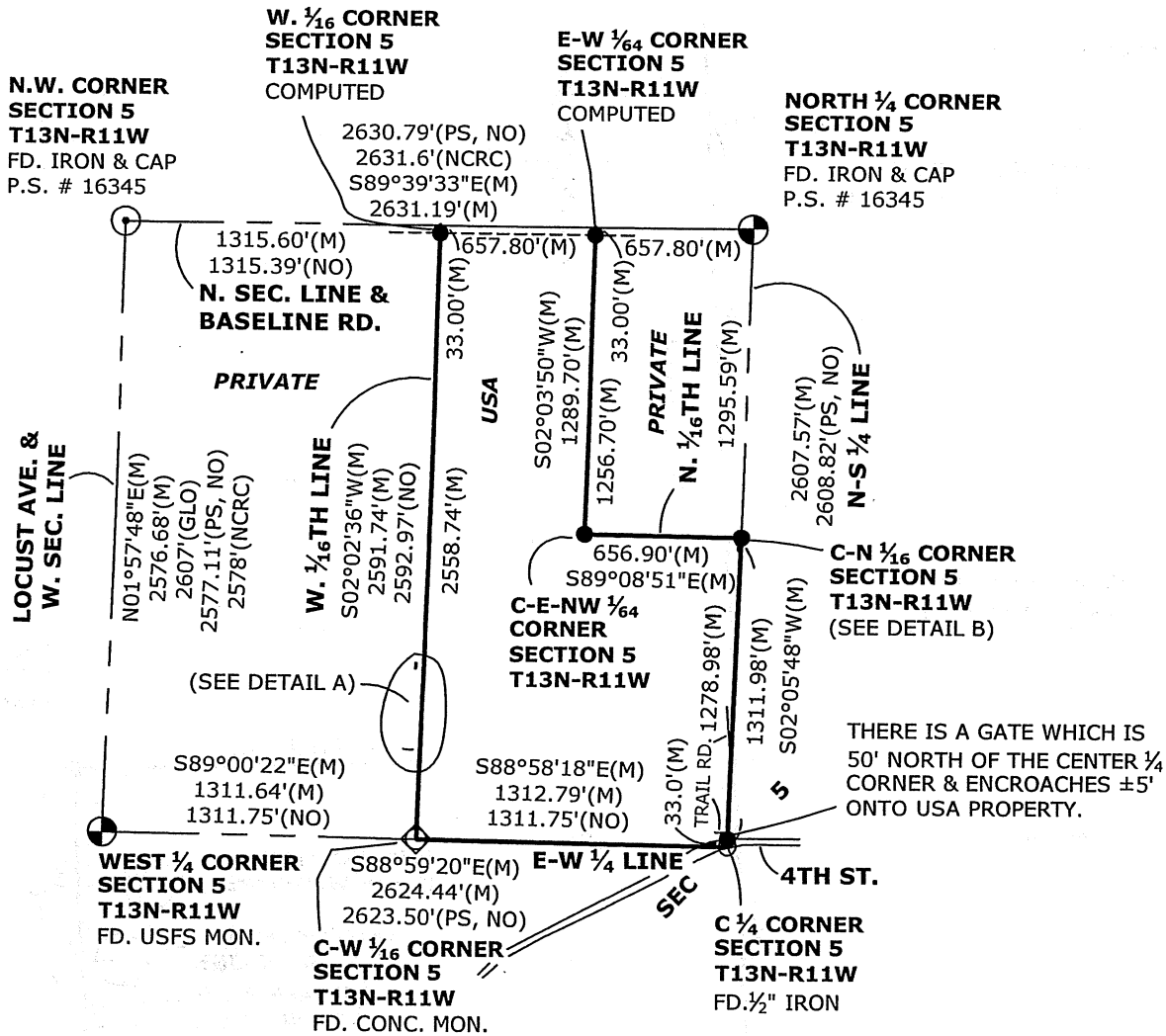




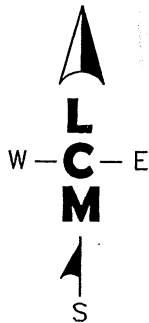
# CERTIFICATE OF SURVEY

DELIVERED TO NEWAYGO CO.  
04/19/2010 9:37:38 AM

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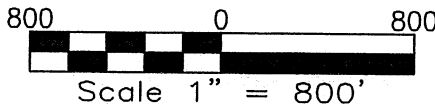


**LEGEND**

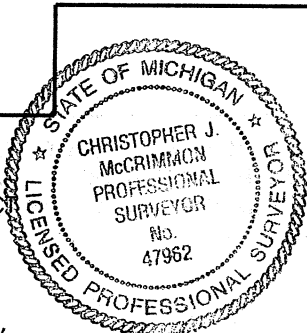


- Fd. Pipe
- Set Wood Lath On Line
- Set 1/2" X 18" Rerod Iron & Cap
- Fd. Iron as noted.
- ◇ Fd. Concrete Monument
- ⊙ Section 1/4 Corner
- ⊙ Section Corner
- R Record Distance
- M Measured Distance
- C Calculated Distance
- Property Lines Posted & Marked
- T Total Measured Distance

BEARINGS AND DISTANCES  
ARE REPORTED IN MICHIGAN  
CENTRAL STATE PLANE GRID -  
(2112)-(NAD-83)(G.P.S.)



I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010

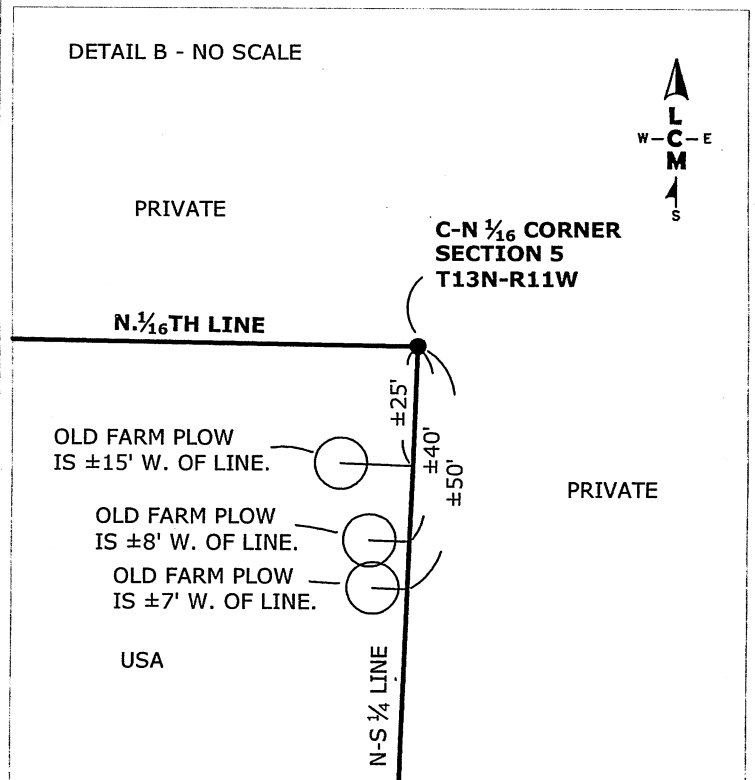
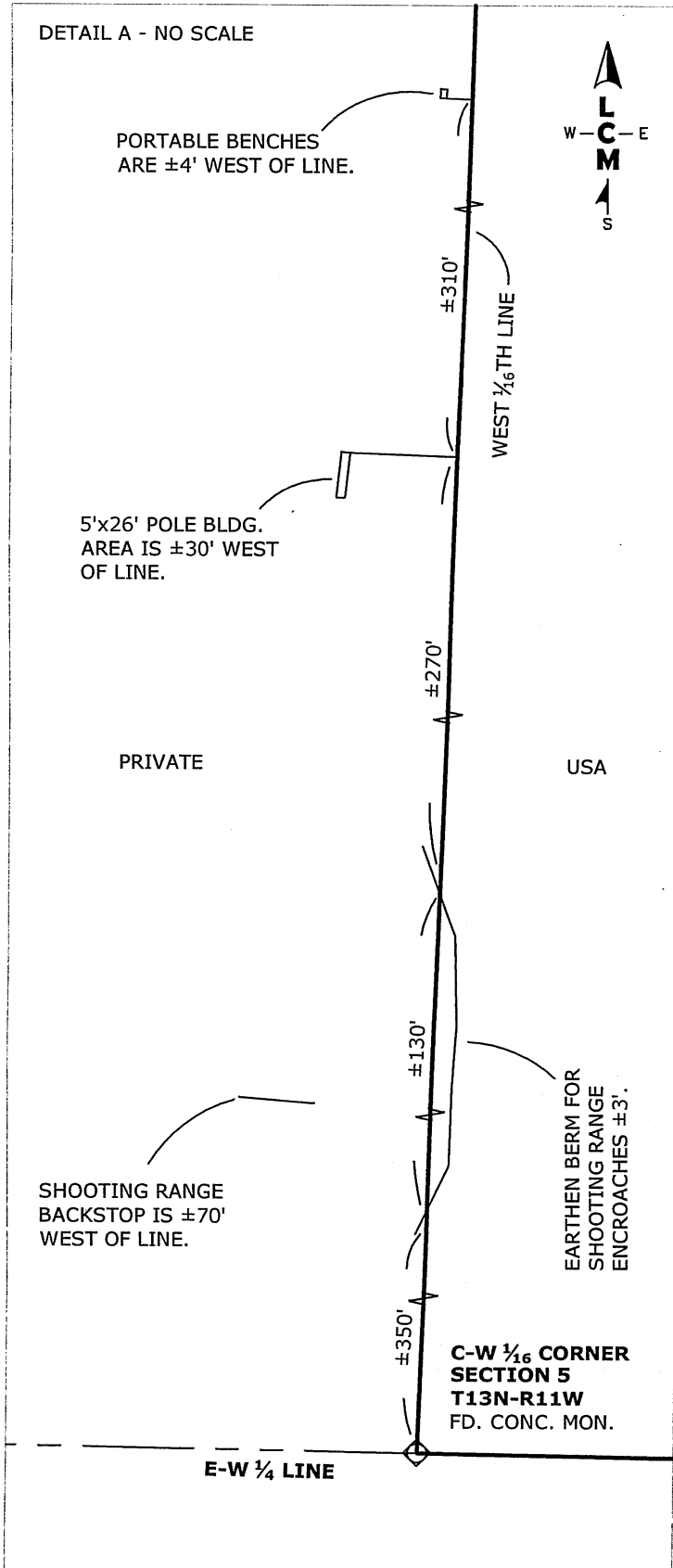
<p><b>Surveying &amp; Engineering LLC</b> 1-888-223-4235 PH. 231-743-3000 Fax. 231-743-3001 225 E. MAIN ST. MARION, MI 49665</p>	DATE: 03/17/2010	CLIENT: USFS	FB/PG: SEE FILE
	DRN BY: CJM	PART OF SECTION 5, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN	JOB NO.: 09170
	CHD BY: WES/CJM		
	SHEET 1 OF 4		



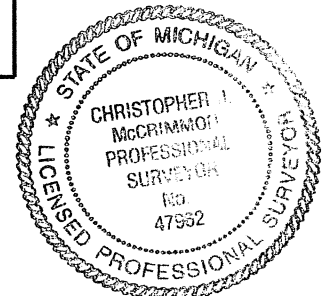


# CERTIFICATE OF SURVEY

COPYRIGHT 2009 LCM Surveying & Engineering



I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010



**Surveying & Engineering LLC**  
 1-888-223-4235  
 PH. 231-743-3000 Fax. 231-743-3001  
 225 E. MAIN ST. MARION, MI 49665

DATE: 03/17/2010  
 DRN BY: CJM  
 CHD BY: WES/CJM  
 SHEET 2 OF 4

CLIENT: USFS

PART OF SECTION 5,  
 T13N, R11W, BIG PRAIRIE TOWNSHIP,  
 NEWAYGO COUNTY, MICHIGAN

FB/PG:  
 SEE FILE  
 JOB NO.:  
 09170





# CERTIFICATE OF SURVEY

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**LEGAL DESCRIPTION OF UNITED STATES GOVERNMENT LAND:**

Property located in Section 5, T13N-R11W, Twp. of Big Prairie, Newaygo County, Michigan being described as: The Southeast 1/4 of the Northwest 1/4 AND The West 1/2 of the Northeast 1/4 of the Northwest 1/4 .

SURVEYORS LEGEND

- (G.L.O.) = Township Lines - John Hodgson (1837)
- = Subdivision Lines - James Mullett (1837)
- WM      = W.S. Merrill (1882, 92)
- DA      = Delos Anderson (1895)
- WJ      = William Jacques (1905, 08)
- LS      = Lyle Shepherd (1916, 35)
- FBN     = Undated Field Book Notes, Book 36
- RS      = Ralph Smith (1950, 51, 58, 65)
- PP      = P. Paquette (1971)
- PS      = Patrick Salisbury (1971, 73)
- JE      = Jim Evans (1975)
- NO      = Norman Ochs (1977, 95)
- LE      = Lionel Emery (1981)
- DS      = Donald Sandel (1987)
- SB      = Sammy Barnett (1989)
- WS      = William Sikkema (2006)
- WG      = Wayne Griffin (1993)

The shown measured distances are in NAD 83 Michigan Central Zone State Plane Grid in international feet. The conversion to ground distance is performed by the formula:

$$\frac{\text{GRID DISTANCE}}{\text{COMBINED GRID FACTOR}} = \text{GROUND DISTANCE}$$

COMBINED GRID FACTOR

The COMBINED FACTOR used for this project was = 1.000179549 , which is an average combined factor between the N 1/4 Corner of Section 5 and the SW Corner of Section 30. Conversion from international feet to meters is 1 FOOT = 0.3048 METERS.

NOTES: We are reporting the coordinates for this project in MICHIGAN CENTRAL GRID, although our location is in MICHIGAN SOUTH GRID, therefore the difference between GRID and GROUND distances are larger then normal.

The STATE PLANE COORDINATES for this project were established using the MICHIGAN CORS NETWORK - NAD 83 (CORS 1996).

**NORTH 1/4 CORNER**

**SECTION 5  
T13N-R11W**

- Fd. 1/2" iron and cap,
- P.S. #: 16345 in Mon. Box.
- N15E - S.E. Corner Concrete Foundation, Hse. #: 5993 - 65.04'
- N68E - Power Pole - 70.26'
- East - S. 1/4 Corner, Section 32, T14N-R11W - 23.17'
- S28E - 48" Maple - 34.20'
- N60W - 26" W. Oak - 64.64'

**NORTHWEST CORNER**

**SECTION 5  
T13N-R11W**

- Fd. 1/2" iron and cap,
- P.S. #: 16345 in Mon. Box.
- N68E - 24"-26" Tw. B. Oak - 106.20'
- East - S.W. Corner Section 32, T14N-R11W - 19.68'
- S40E - 20" R. Pine - 60.37'
- S46W - Guy Pole - 56.51'
- N47W - P. Pole - 48.35'

**WEST 1/4 CORNER**

**SECTION 5  
T13N-R11W**

- Fd. broken 5" sq. concrete mon. used iron in the center.
- N35E - 14" W. Pine - 72.57'
- S80E - 15" B. Oak - 51.95'
- S30E - 16" B. Oak - 49.68'
- S82W - 12" W. Pine - 38.71'

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962

Dated: 4/16 2010

**LCM Surveying & Engineering LLC**  
 1-888-223-4235  
 PH. 231-743-3000 Fax. 231-743-3001  
 225 E. MAIN ST. MARION, MI 49665

DATE: 03/17/2010  
 DRN BY: CJM  
 CHD BY: WES/CJM  
 SHEET 3 OF 4

CLIENT: USFS  
 PART OF SECTION 5,  
 T13N, R11W, BIG PRAIRIE TOWNSHIP,  
 NEWAYGO COUNTY, MICHIGAN

FB/PG:  
 SEE FILE  
 JOB NO.:  
 09170





# CERTIFICATE OF SURVEY

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18 March 2010

**INPUT**  
 State Plane, NAD83  
 2112 - Michigan Central, Int. Feet  
 Vertical - GRS80 (Geoid03), Int. Feet

**OUTPUT**  
 Geographic, NAD83  
 Vertical - GRS80 (Geoid03), Int. Feet

<b>C1451311</b>	<b>34</b>
Northing/Y: 87092.1670 Easting/X: 19344220.9190 Elevation/Z: 945.746 Convergence: -0 54 28.48546 Scale Factor: 1.000205865 Combined Factor: 1.000165835	Latitude: 43 32 53.27334 Longitude: 85 39 06.91278 Elevation/Z: 945.746

<b>N1451311</b>	<b>37</b>
Northing/Y: 89697.9900 Easting/X: 19344316.3240 Elevation/Z: 962.417 Convergence: -0 54 27.96657 Scale Factor: 1.000202879 Combined Factor: 1.000162051	Latitude: 43 33 19.01540 Longitude: 85 39 06.17823 Elevation/Z: 962.417

<b>NW51311</b>	<b>40</b>
Northing/Y: 89713.6440 Easting/X: 19341685.1760 Elevation/Z: 939.151 Convergence: -0 54 53.20074 Scale Factor: 1.000202908 Combined Factor: 1.000163198	Latitude: 43 33 18.75676 Longitude: 85 39 41.90007 Elevation/Z: 939.151

<b>W1451311</b>	<b>69</b>
Northing/Y: 87138.4780 Easting/X: 19341596.8960 Elevation/Z: 927.677 Convergence: -0 54 53.65295 Scale Factor: 1.000205859 Combined Factor: 1.000166698	Latitude: 43 32 53.31843 Longitude: 85 39 42.54023 Elevation/Z: 927.677

<b>C-W 1/16TH COR</b>	<b>79</b>
Northing/Y: 87115.7255 Easting/X: 19342908.3395 Elevation/Z: 939.217 Convergence: -0 54 41.07471 Scale Factor: 1.000205861 Combined Factor: 1.000166146	Latitude: 43 32 53.30017 Longitude: 85 39 24.73430 Elevation/Z: 939.217

<b>C-N 1/16TH COR</b>	<b>3013</b>
Northing/Y: 88403.2690 Easting/X: 19344268.9180 Elevation/Z: 945.746 Convergence: -0 54 28.22443 Scale Factor: 1.000204360 Combined Factor: 1.000164330	Latitude: 43 33 06.22528 Longitude: 85 39 06.54327 Elevation/Z: 945.746

<b>C-E-NW 1/64TH</b>	<b>3020</b>
Northing/Y: 88413.0420 Easting/X: 19343612.0900 Elevation/Z: 920.000 Convergence: -0 54 34.52430 Scale Factor: 1.000204361 Combined Factor: 1.000165564	Latitude: 43 33 06.21891 Longitude: 85 39 15.46144 Elevation/Z: 920.000

I HEREBY CERTIFY THAT I HAVE SURVEYED THE PARCEL OF LAND DESCRIBED, THAT SAID SURVEY WAS PERFORMED WITH A FIELD ERROR OF CLOSURE "OF 1 IN 5000 OR GREATER", AND THAT I HAVE FULLY COMPLIED WITH THE REQUIREMENTS OF SEC. #3, ACT #132, P.A. 1970.



*Christopher J. McCrimmon*

Christopher J. McCrimmon, P.S. No. 47962 Dated: 4/16 2010

	<b>Surveying &amp; Engineering LLC</b>	DATE: 03/17/2010	CLIENT: USFS	
	1-888-223-4235 PH. 231-743-3000 Fax. 231-743-3001 225 E. MAIN ST. MARION, MI 49665	DRN BY: CJM	PART OF SECTION 5, T13N, R11W, BIG PRAIRIE TOWNSHIP, NEWAYGO COUNTY, MICHIGAN	FB/PG: SEE FILE
		CHD BY: WES/CJM		JOB NO.: 09170
		SHEET 4 OF 4		







LIBER NEWAYGO COUNTY REGISTER OF DEEDS PAGE MARLENE TOOGOOD

1990 FEB -6 AM 9:41

*Marlene Toogood*

# CERTIFICATE OF SURVEY

I hereby certify that I have surveyed and mapped the land shown here and that the error of closure was not greater than 1':5000'. I further certify that I have complied with the requirements of Public Act 132, 1970 Mich. as amended.

The General Land Office (GLO) subdivision was done by J.H. Mullett in 1837. The United States Forest Service acquired the following land in the year indicated.

The S1/2 of the NE1/4 - 1945

Subsequent surveys include:

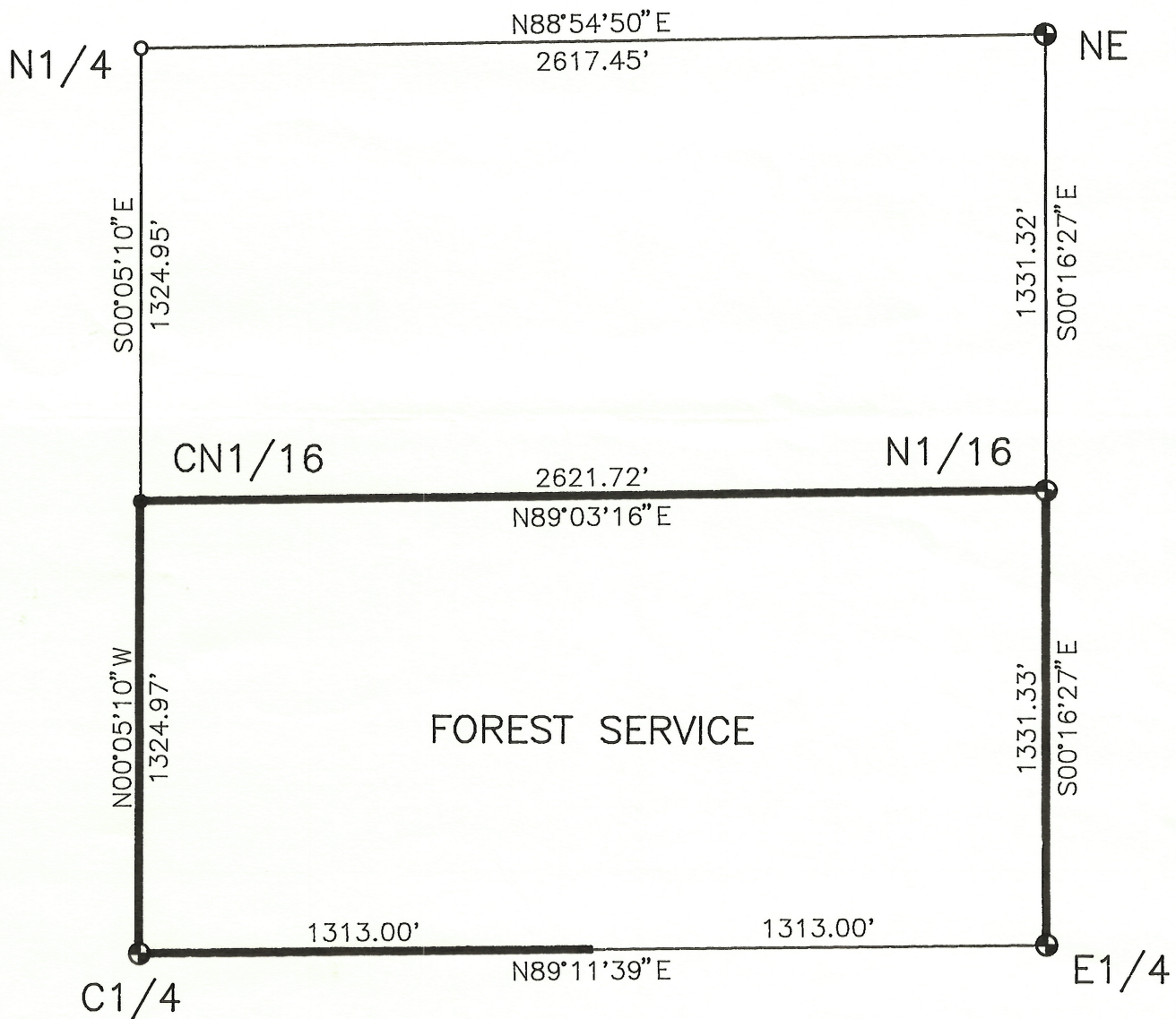
An undated survey by Jack E. Pierson

A 1972 survey by Patrick A. Salisbury

These survey(s) conform to the original GLO survey. This survey is a retracement of the GLO survey and the work done by Salisbury, and as such is being used to locate the U.S. Government Property within and adjoining this section.

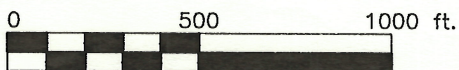


T14N R11W  
The S1/2 of the NE1/4  
Section 32



LEGEND

- ⊕ BRASS CAP SET
- 1/2" X 18" REBAR SET
- IRON FOUND
- ▬ FOREST SERVICE PROPERTY LINES POSTED



BASIS OF BEARING: ASSUMED

SURVEYED FOR:  
HURON-MANISTEE NAT'L FORESTS  
WHITE CLOUD RANGER DISTRICT  
WHITE CLOUD, MICHIGAN  
49349

SURVEYED BY:  
PATRICK R. LEEMON  
USDA FOREST SERVICE  
421 S. MITCHELL ST.  
CADILLAC, MI 49601  
616 775-2421



*Patrick R. Leemon*  
PATRICK R. LEEMON LLS# 31595  
FOREST LAND SURVEYOR

DATE: OCT. 29, 1985 SHEET 2 OF 3 SHEETS



# CERTIFICATE OF SURVEY

I hereby certify that I have surveyed and mapped the land shown here and that the error of closure was not greater than 1":5000'. I further certify that I have complied with the requirements of Public Act 132, 1970 Mich. as amended.

The General Land Office (GLO) subdivision was done by J.H. Mullett in 1837. The United States Forest Service acquired the following land in the year indicated.

The NE1/4 of the SE1/4 - 1950

Subsequent surveys include:

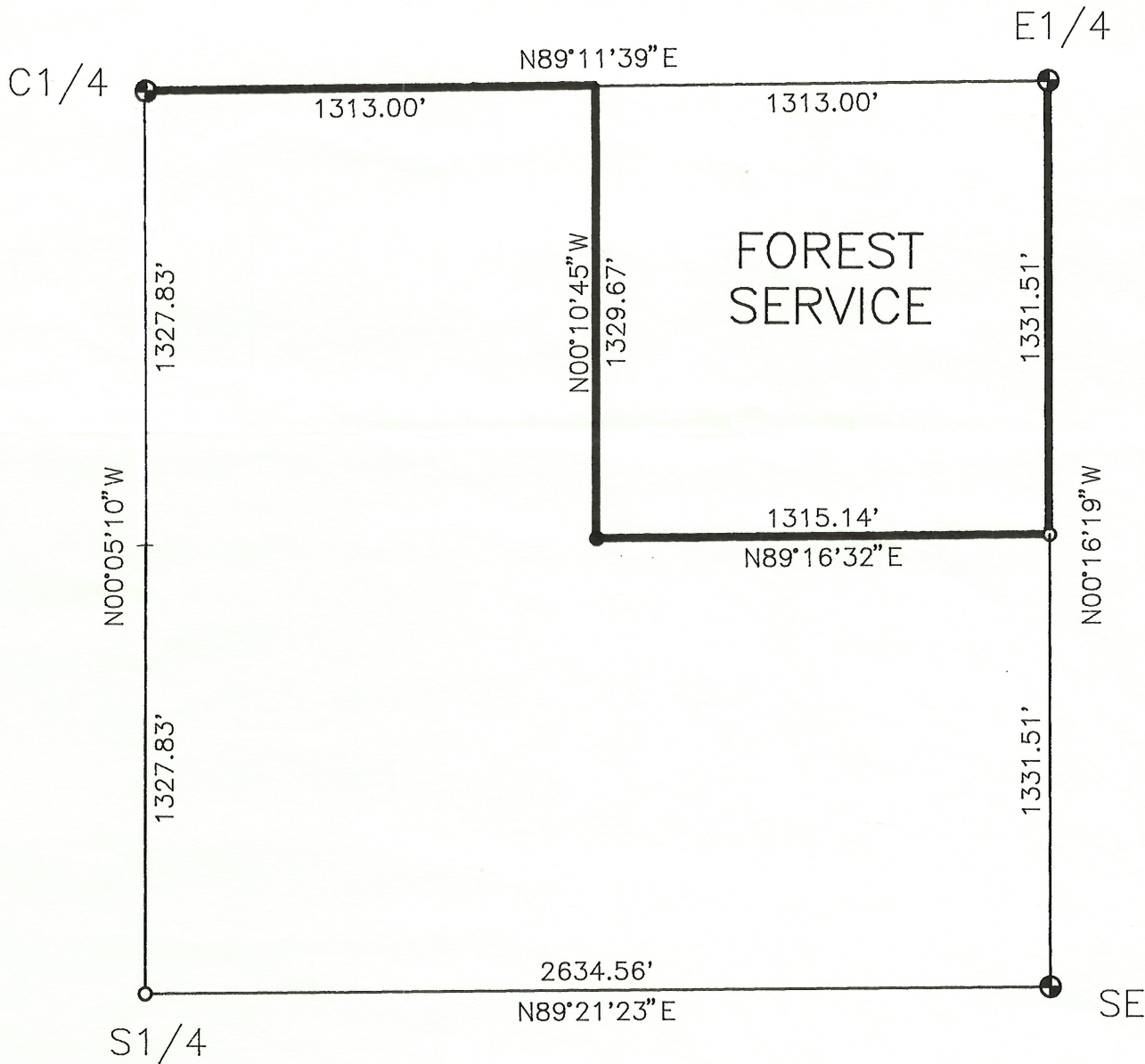
An undated survey by Jack E. Pierson

A 1972 survey by Patrick A. Salisbury

These survey(s) conform to the original GLO survey. This survey is a retracement of the GLO survey and the work done by Salisbury, and as such is being used to locate the U.S. Government Property within and adjoining this section.

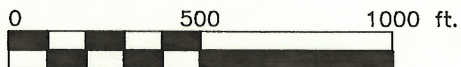


T14N R11W  
The NE1/4 of the SE1/4  
Section 32



LEGEND

- BRASS CAP SET
- 1/2" X 18" REBAR SET
- IRON FOUND
- FOREST SERVICE PROPERTY LINES POSTED



BASIS OF BEARING: ASSUMED

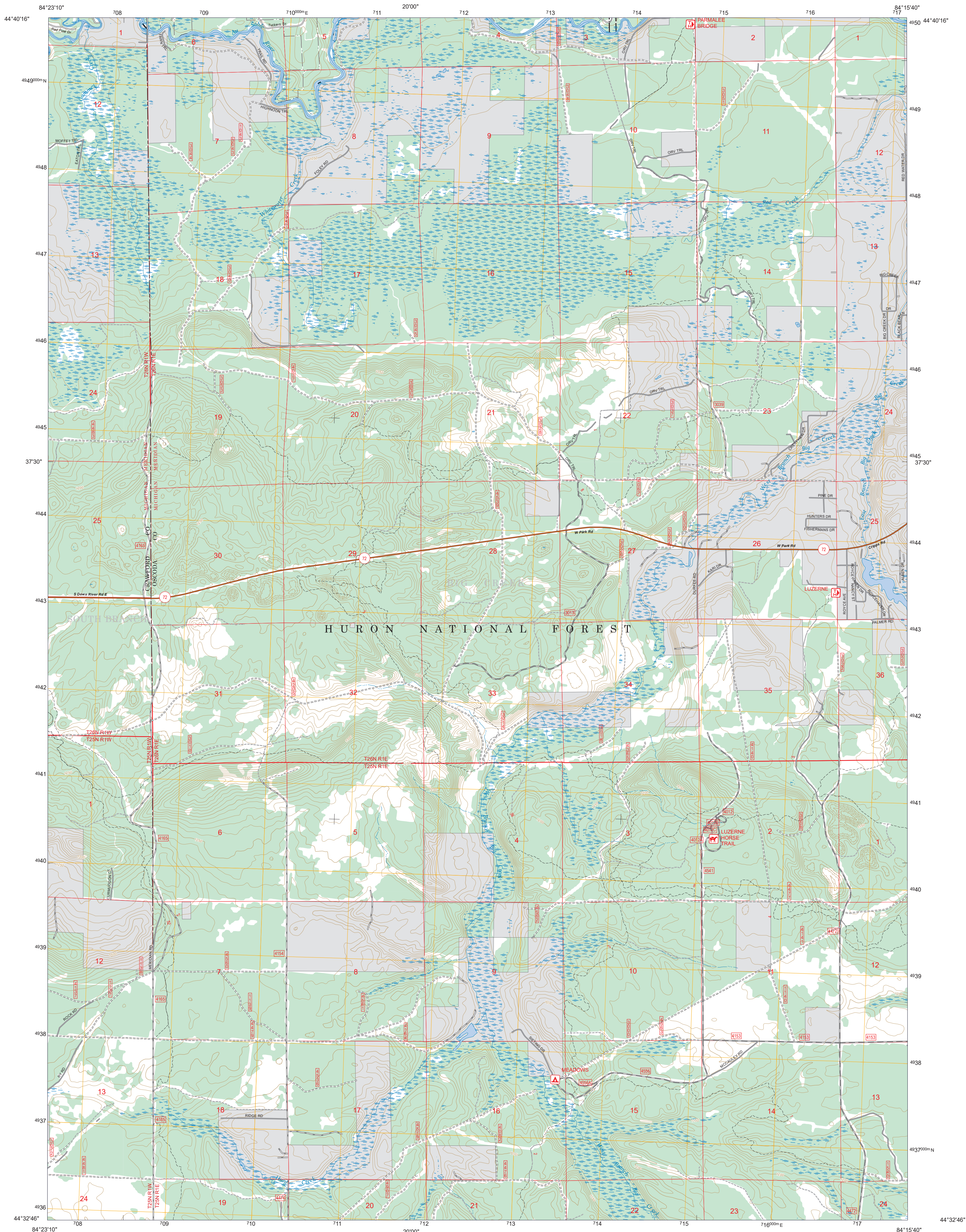
SURVEYED FOR:  
HURON-MANISTEE NAT'L. FORESTS  
WHITE CLOUD RANGER DISTRICT  
WHITE CLOUD, MICHIGAN  
49349

SURVEYED BY:  
PATRICK R. LEEMON  
USDA FOREST SERVICE  
421 S. MITCHELL ST.  
CADILLAC, MI 49601  
616 775-2421



*Patrick R. Leemon*  
PATRICK R. LEEMON LLS# 31595  
FOREST LAND SURVEYOR

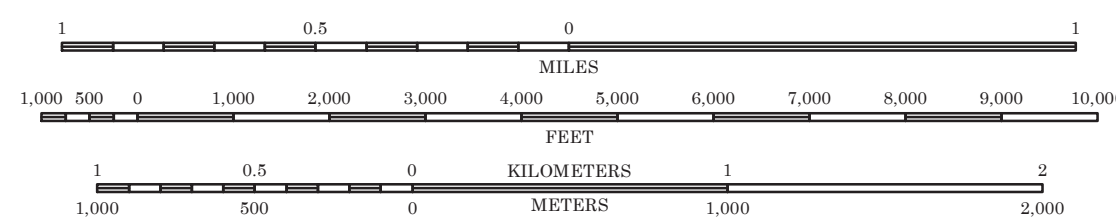
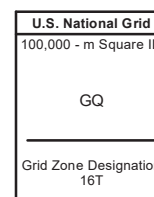
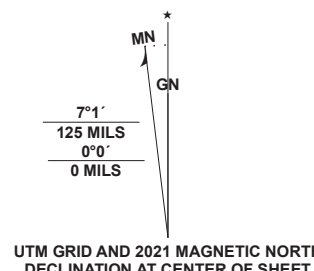




Produced by the USDA Forest Service  
North American Datum of 1983 (NAD 83)  
Projection and 1,000-meter ties: Universal Transverse Mercator, zone 16.

Non-National Forest System lands within the National Forest  
Inholdings may exist in other National or State reservations.  
This is not a legal document. Public lands are subject to change and leasing, and may have access restrictions. Not all roads and trails on this map are open to motor vehicle use. Check with appropriate officials and obtain appropriate regulatory maps and information. Obtain permission before entering private lands.

Motor Vehicle Use Map (MVUM)  
The MVUM is a legal enforceable document that identifies the roads, trails, and areas where motor vehicle use is allowed in a Forest Service administrative unit or ranger district. MVUMs are reissued each year. It is the responsibility of motor vehicle users to acquire the MVUM. MVUMs are available FREE at Forest Service offices and at [www.fs.fed.us/recreation/programs/ohv/ohv\\_maps.shtml](http://www.fs.fed.us/recreation/programs/ohv/ohv_maps.shtml)



CONTOUR INTERVAL 10 FEET

This map product uses the most current data available in the USDA Forest Service. This map was produced to conform with Forest Service base map standards. A metadata file associated with this product is draft version 1.0. This product was generated on 1/16/2023



ADJOINING QUADRANGLES

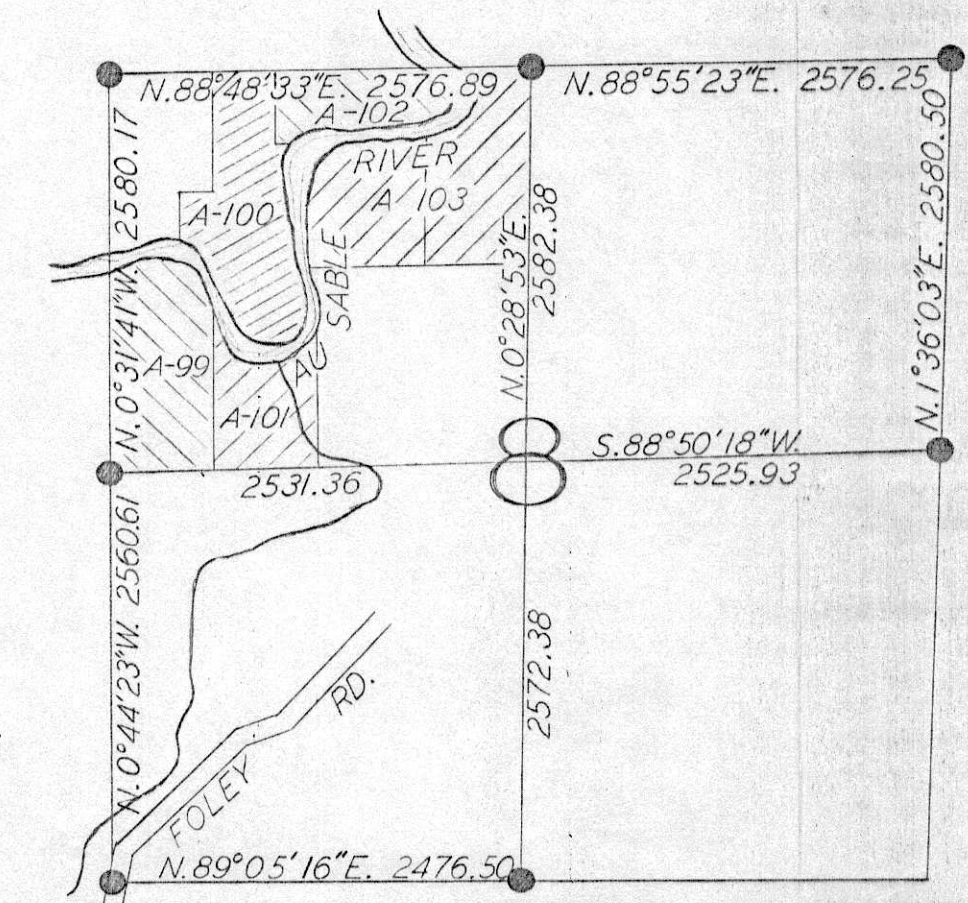
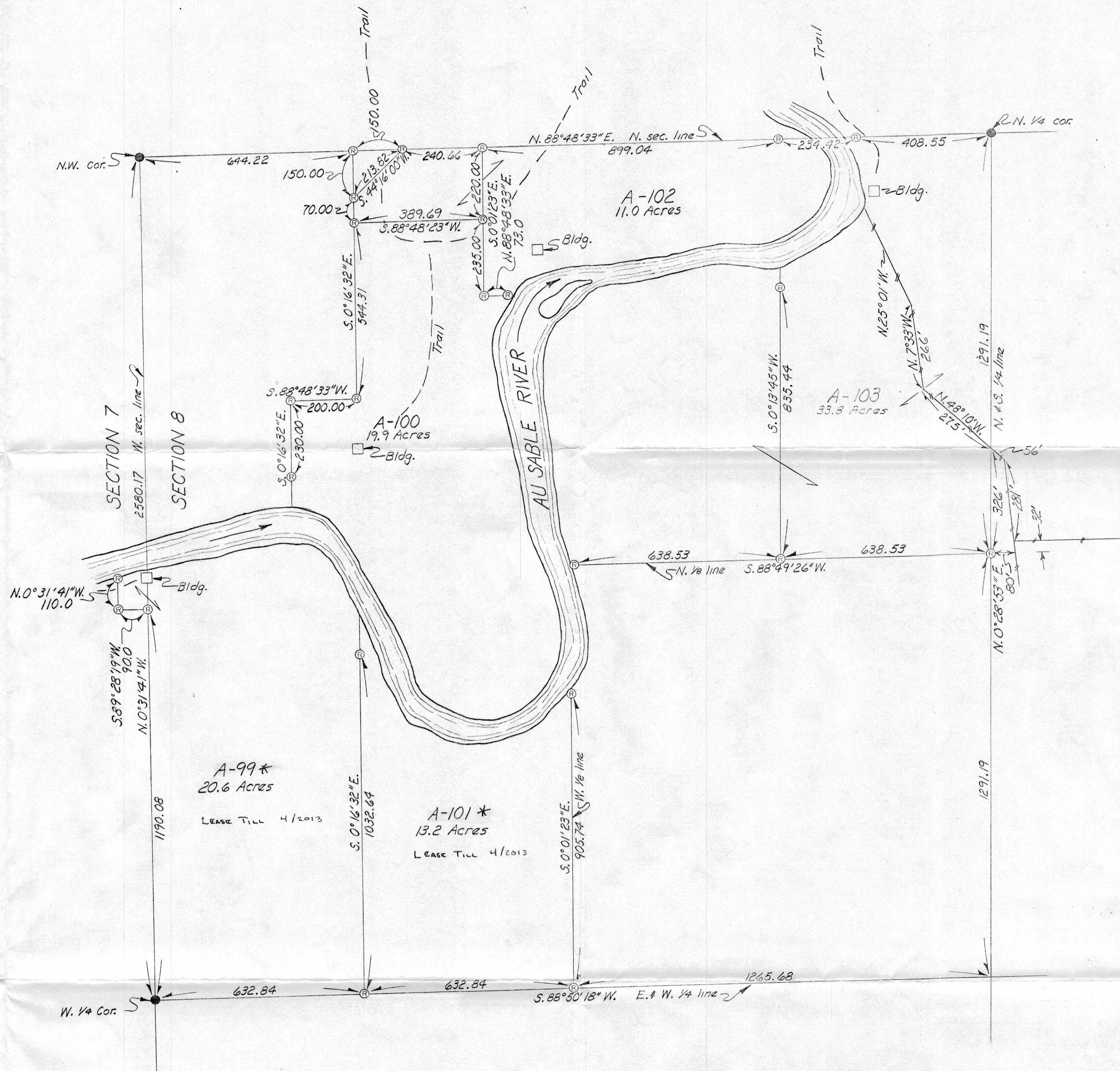
Lucerne NW	Red	Silo
Eldorado	Lucerne	Inland Lake
Saint Helen NW	Saint Helen NE	Damon

HIGHWAYS AND ROADS

Interstate.....	5	Highway, Primary.....	1
U.S. ....	101	Highway, Secondary.....	2
State.....	79	Road, Unspecified.....	3
County.....	6	Road, Paved.....	4
National Forest, suitable for passenger cars.....	105	Road, Gravel.....	5
National Forest, suitable for high clearance vehicles.....	105	Road, Dirt.....	6
National Forest Trail.....	384	Road, Unimproved.....	7
		Road, Closed.....	8
		Trail.....	9

Check with local Forest Service unit for current travel conditions and restrictions.



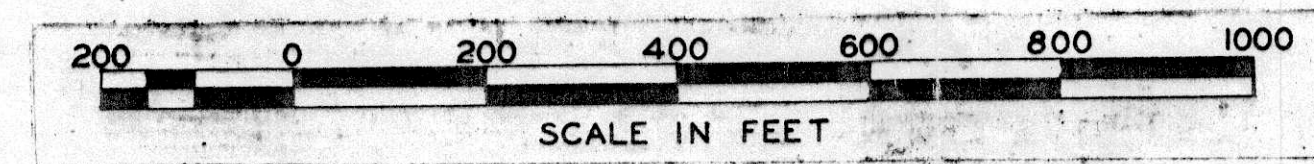


LOCATION MAP  
BIG CREEK TWP OSCODA CO.  
T. 26 N. R. 1 E. SEC. 8

LEGEND  
● CORNER FOUND  
○ CORNER SET  
⊗ 1/2" REBAR SET WITH C.P.C.O. CAP

WITNESSES

N. 1/4 Cor.	Found GLO monu.		
	6" Birch	S. 50°W.	4.03
	8" Birch	N. 15°W.	17.25
	10" Spruce	N. 10°E.	30.82
	8" Birch	S. 85°E.	31.22
N.W. Cor.	Found GLO monu.		
	14" Red pine	S. 50°W.	15.75
	21" "	S. 30°E.	9.00
	10" "	S. 80°E.	37.00
	16" "	N. 50°W.	53.75
W. 1/4 Cor.	Found GLO monu.		
	12" Spruce	S. 50°E.	26.68
	11" "	N. 20°E.	13.28
	10" "	N. 10°W.	16.62
	12" Cedar	S. 40°W.	3.73
S. 1/4 Cor.	Found GLO monu.		
	12" Oak	N. 10°E.	89.20
	Maple	S. 10°E.	21.51
	8" Oak	South	23.00
	10" Birch	N. 55°W.	80.85
S.W. Cor.	Found GLO monu.		
	14" Pine	S. 75°E.	57.31
	12" "	S. 50°W.	38.33
	P. pole	N. 30°E.	34.00
	18" Red pine	N. 25°E.	78.60
E. 1/4 Cor.	Found GLO monu.		
	10" Birch	N. 25°W.	25.79
	" "	N. 15°E.	33.06
	6" Birch	N. 60°E.	34.34
	8" Spruce	S. 5°W.	64.15
N.E. Cor.	Found GLO monu.	12' N. of E. & W. fc.	
	14" Spruce	N. 10°W.	17.19
	12" "	N. 40°E.	37.99
	6" "	S. 5°E.	53.88
	10" "	S. 50°W.	52.15



Note: Bearings are based on the West line of section 8 between the West 1/4 corner and Northwest corner assumed as N. 0°31'41" W.

SURVEYED BY E. M. COMBS OCT.-1978 F.B. 1365

DRAWING NO.	REFERENCE DRAWINGS	D	5/27/82	Revised A-103 to include land to W.	R&E WBP	DR. R. L. ENDA	11-6-78
		C	7/22/82	Added fence E. of A-103	R&E WBP	CK. V. FELDPAUSCH	11-6-78
		B	12/7/81	Added fence in A-103	R&E WBP	APP.	
		A	3/5/81	Revised A-100 & 102 per E. M.C. F.B. 1365	R&E WBP	APP. W. D. POTTS	11-6-78
REV.	DATE	DESCRIPTION	BY	APP.	APP. J. H. HARRIS	11-6-78	

CONSUMERS POWER CO.  
ELECTRIC ENGINEERING DEPARTMENT  
JACKSON, MICHIGAN

AU SABLE RIVER LANDS  
BIG CREEK TWP OSCODA CO.  
T. 26 N. R. 1 E. SEC. 8

SCALE	1" = 200'	DRAWING NO.	S-F18141	SHEET	9	REV.	D
JOB							