

# SURVEY MAP

PART OF SE 1/4, SECTION 33, T16N-R1E, HOPE TOWNSHIP  
 SW 1/4, SECTION 34, T16N-R1E, HOPE TOWNSHIP  
 EAST 1/2, SECTION 4, T15N-R1E, LINCOLN TOWNSHIP  
 MIDLAND COUNTY, MICHIGAN

### LEGEND

- GOVERNMENT SECTION CORNER
- SET 5/8" X 3/4" STEEL REBAR WITH 2" ALUMINUM CAP AND BLUE CARSONITE MARKER
- FOUND MONUMENT, 1/2" REBAR UNLESS OTHERWISE NOTED
- (R) RECORDED
- (M) MEASURED
- (C) CALCULATED
- CH CHAINS
- LKS LINKS
- APPROXIMATE LOCATION COUNTY ROAD
- - - SECTION LINE
- LINE SURVEYED
- CAP NUMBER
- 56 POINT NUMBER



### SURVEY HISTORY

- 1831, GENERAL LAND OFFICE SURVEY OF HOPE AND LINCOLN TOWNSHIPS
- 1908, COUNTY SURVEYOR, SECTION 33
- 1918, COUNTY SURVEYOR, SECTION 34
- 1924, COUNTY SURVEYOR, CORNER F1
- 1967, WHITTIER, PRIVATE SURVEY USED F3
- 1970, WHITTIER, PRIVATE SURVEY OF LINE BETWEEN SECS 33 + 4
- 1974, SCHAFFER, LCRC F2
- 1974, WHITTIER, PRIVATE SURVEY OF 1/2 P228 OF E-W 1/4 LINE SEC 4
- 1976, STREIC, PRIVATE SURVEY OF S LINE SEC 34
- 1989, LEDY, PRIVATE SURVEY OF N-S 1/4 LINE SEC 33
- 1990, LEDY, RECORDED SURVEY L4 P596, USED F1
- 1993, JONES, PRIVATE SURVEY USED F3
- 2001, POMAVILLE, LCRC F12
- 2003, POMAVILLE, PRIVATE SURVEY USED H13
- 2005, CLAYPOOL, PRIVATE SURVEY OF SEC 34
- 2008, FERGUSON, LCRC F3
- 2008, FERGUSON, LCRC G2
- 2008, FERGUSON, LCRC F1
- 2008, FERGUSON, LCRC G13
- 2008, FERGUSON, LCRC G1
- 2008, FERGUSON, LCRC F13
- 2008, FERGUSON, LCRC H13
- 2001, ROSENBRICK, PRIVATE SURVEY USED G13
- UNDATED FIELD NOTES FROM UNKNOWN SOURCE FOR SECS 4, 9, 33, 34

### COORDINATES

MICHIGAN STATE PLANE COORDINATES, NAD83, SOUTH ZONE, NA2011, INTERNATIONAL GRID FEET. POINT NUMBERS BELOW ARE DENOTED WITH THE MAP HEREON.

Point Name	Northing	Easting	Description
1	817188.128	13130639.640	SCOR
2	819817.923	13130670.100	SCOR
4	817210.961	13127986.470	SCOR
5	817211.573	13127923.170	SCOR
7	817199.545	13129313.060	FIC
8	819838.863	13128019.320	SCOR
13	818524.639	13128002.850	FIC
15	819863.357	13125376.730	SCOR
16	817238.807	13125340.510	SCOR
18	817239.354	13125278.580	SCOR
28	818513.694	13129329.560	FIC
31	817222.622	13126600.430	FIP
32	817221.934	13126663.100	FIP
33	818538.140	13126680.880	FIC
35	814708.180	13127936.570	SCOR
42	814725.993	13125359.370	FI
44	816035.373	13126597.420	FIC
51	813405.219	13125249.140	FIC
53	816050.854	13125269.440	FIC
56	816042.618	13125369.390	FIC
110	812083.388	13125238.710	SCOR
111	814726.682	13125259.370	SCOR

### SURVEY REPORT

PURPOSE: THIS SURVEY WAS EXECUTED FOR THE PURPOSE OF DELINEATING THE BOUNDARY OF CERTAIN STATE OWNED LANDS FOR USE BY FOREST RESOURCES DIVISION IN THE PROPER ADMINISTRATION OF SAID LANDS.

CONTROLLING CORNERS: DESCRIPTION OF CORNERS NOTED HEREON, COMPLETE CORNER DESCRIPTION, HISTORY, WITNESSES ON LAND CORNER RECORDATION CERTIFICATES AS FILED AT THE COUNTY REGISTER OF DEEDS OFFICE PER PA 74 OF 1970.

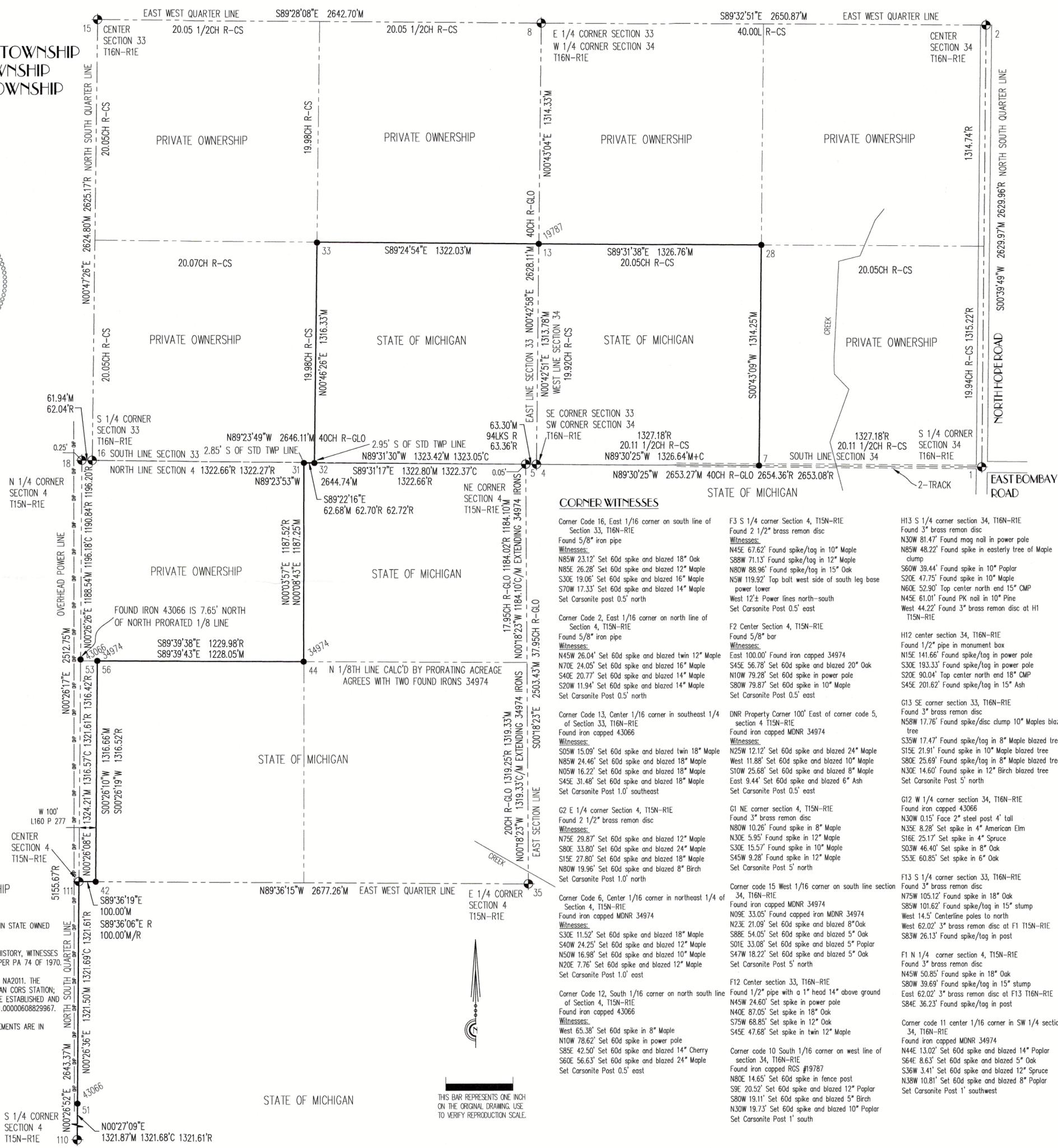
SURVEY NOTES: BEARINGS RELATE TO MICHIGAN STATE PLANE COORDINATES, NAD83, CENTRAL ZONE, NA2011. THE NEAREST CONTROL MONUMENT FROM WHICH THE COORDINATES HEREON WERE DETERMINED WAS COLEMAN CORNS STATION; THE METHOD OF SURVEY WAS GNSS; THE DESCRIBED CONTROL MONUMENT AND ITS COORDINATES WERE ESTABLISHED AND DETERMINED IN CONFORMANCE WITH THE SPECIFICATIONS IN MCL 54.235c. COMBINED SCALE FACTOR: 1.00000608829967.

ALL MEASUREMENTS ARE IN INTERNATIONAL GRID FEET AND DECIMALS THEREOF. ALL RECORD MEASUREMENTS ARE IN GROUND DISTANCES.

CERTIFICATION: I HEREBY CERTIFY THAT THE MAP DELINEATED HEREON IS A TRUE REPRESENTATION OF THE FINDINGS OF THIS SURVEY AND THAT THE MONUMENTS FOUND OR ESTABLISHED AND MEASUREMENTS MADE ARE AS SHOWN HEREON.

CHARLES H. HEIN, PS 43056

S 1/4 CORNER SECTION 4 T15N-R1E  
 110 N00°26'52"E 2643.37'M  
 51 N00°26'52"E 43066  
 56 N00°27'09"E 1321.87'M 1321.68°C 1321.61'R



### CORNER WITNESSES

- Corner Code 16, East 1/16 corner on south line of Section 33, T16N-R1E  
 Found 5/8" iron pipe  
 Witnesses:  
 N85W 23.12' Set 60d spike and blazed 18" Oak  
 N85E 26.28' Set 60d spike and blazed 12" Maple  
 S30E 19.06' Set 60d spike and blazed 16" Maple  
 S70W 17.33' Set 60d spike and blazed 14" Maple  
 Set Carsonite Post 0.5" north
- Corner Code 2, East 1/16 corner on north line of Section 4, T15N-R1E  
 Found 5/8" iron pipe  
 Witnesses:  
 N45W 26.04' Set 60d spike and blazed twin 12" Maple  
 N70E 24.05' Set 60d spike and blazed 16" Maple  
 S40E 20.77' Set 60d spike and blazed 14" Maple  
 S20W 11.94' Set 60d spike and blazed 14" Maple  
 Set Carsonite Post 0.5" north
- Corner Code 13, Center 1/16 corner in southeast 1/4 of Section 33, T16N-R1E  
 Found iron capped 43066  
 Witnesses:  
 S05W 15.09' Set 60d spike and blazed twin 18" Maple  
 N85W 24.46' Set 60d spike and blazed 18" Maple  
 N05W 16.22' Set 60d spike and blazed 18" Maple  
 S45E 31.48' Set 60d spike and blazed 18" Maple  
 Set Carsonite Post 1.0' southeast
- G2 E 1/4 corner Section 4, T15N-R1E  
 Found 2 1/2" brass remon disc  
 Witnesses:  
 N75E 29.87' Set 60d spike and blazed 12" Maple  
 S80E 33.80' Set 60d spike and blazed 24" Maple  
 S15E 27.80' Set 60d spike and blazed 18" Maple  
 N80W 19.96' Set 60d spike and blazed 8" Birch  
 Set Carsonite Post 1.0' north
- Corner Code 6, Center 1/16 corner in northeast 1/4 of Section 4, T15N-R1E  
 Found iron capped MDNR 34974  
 Witnesses:  
 S30E 11.52' Set 60d spike and blazed 18" Maple  
 S40W 24.25' Set 60d spike and blazed 12" Maple  
 N50W 16.98' Set 60d spike and blazed 10" Maple  
 N20E 7.76' Set 60d spike and blazed 12" Maple  
 Set Carsonite Post 1.0' east
- Corner Code 12, South 1/16 corner on north south line of Section 4, T15N-R1E  
 Found iron capped 43066  
 Witnesses:  
 West 65.38' Set 60d spike in 8" Maple  
 N10W 78.62' Set 60d spike in power pole  
 S85E 42.50' Set 60d spike and blazed 14" Cherry  
 S60E 56.63' Set 60d spike and blazed 24" Maple  
 Set Carsonite Post 0.5" east
- Corner Code 10, South 1/16 corner on west line of section 34, T16N-R1E  
 Found iron capped RCS #19787  
 N80E 14.65' Set 60d spike in fence post  
 S9E 20.52' Set 60d spike and blazed 12" Poplar  
 S80W 19.11' Set 60d spike and blazed 5" Birch  
 N30W 19.73' Set 60d spike and blazed 10" Poplar  
 Set Carsonite Post 1" south
- F3 S 1/4 corner Section 4, T15N-R1E  
 Found 2 1/2" brass remon disc  
 Witnesses:  
 N45E 67.62' Found spike/tag in 10" Maple  
 S88W 71.13' Found spike/tag in 12" Maple  
 N80W 88.96' Found spike in 10" Oak  
 N5W 119.92' Top bolt west side of south leg base power tower  
 West 12"± Power lines north-south  
 Set Carsonite Post 0.5" east
- F2 Center Section 4, T15N-R1E  
 Found 5/8" iron pipe  
 Witnesses:  
 East 100.00' Found iron capped 34974  
 S45E 56.78' Set 60d spike and blazed 20" Oak  
 N10W 79.28' Set 60d spike in power pole  
 S80W 79.87' Set 60d spike in 10" Maple  
 Set Carsonite Post 0.5" east
- DNR Property Corner 100' East of corner code 5, section 4 T15N-R1E  
 Found iron capped MDNR 34974  
 Witnesses:  
 N25W 12.12' Set 60d spike and blazed 24" Maple  
 West 11.88' Set 60d spike and blazed 10" Maple  
 S10W 25.68' Set 60d spike and blazed 8" Maple  
 East 9.44' Set 60d spike and blazed 6" Ash  
 Set Carsonite Post 0.5" east
- Corner code 15 West 1/16 corner on south line section 34, T16N-R1E  
 Found 3" brass remon disc  
 N75W 105.12' Found spike in 18" Oak  
 S85W 101.62' Found spike/tag in 15" stump  
 West 14.5' Centerline poles to north  
 West 62.02' 3" brass remon disc at F1 T15N-R1E  
 S83W 26.13' Found spike/tag in post
- F13 S 1/4 corner section 33, T16N-R1E  
 Found 3" brass remon disc  
 N45W 50.85' Found spike in 18" Oak  
 S80W 39.69' Found spike/tag in 15" stump  
 East 62.02' 3" brass remon disc at F13 T16N-R1E  
 S84E 36.23' Found spike/tag in post
- Corner code 11 center 1/16 corner in SW 1/4 section 34, T16N-R1E  
 Found iron capped MDNR 34974  
 N44E 13.02' Set 60d spike and blazed 14" Poplar  
 S64E 8.63' Set 60d spike and blazed 5" Oak  
 S36W 3.41' Set 60d spike and blazed 12" Spruce  
 N38W 10.81' Set 60d spike and blazed 8" Poplar  
 Set Carsonite Post 1" southwest
- H13 S 1/4 corner section 34, T16N-R1E  
 Found 3" brass remon disc  
 N30W 81.47' Found mag nail in power pole  
 N85W 48.22' Found spike in easterly tree of Maple clump  
 S60W 39.44' Found spike in 10" Poplar  
 S20E 47.75' Found spike in 10" Maple  
 N60E 52.90' Top center north end 15" CMP  
 N45E 61.01' Found PK nail in 10" Pine  
 West 44.22' Found 3" brass remon disc at H1 T15N-R1E
- H12 center section 34, T16N-R1E  
 Found 1/2" pipe in monument box  
 N15E 141.66' Found spike/tag in power pole  
 S30E 193.33' Found spike/tag in power pole  
 S20E 90.04' Top center north end 18" CMP  
 S45E 201.62' Found spike/tag in 15" Ash
- G13 SE corner section 33, T16N-R1E  
 Found 3" brass remon disc  
 N58W 17.76' Found spike/disc clump 10" Maples blazed tree  
 S35W 17.47' Found spike/tag in 8" Maple blazed tree  
 S15E 21.91' Found spike in 10" Maple blazed tree  
 S80E 25.69' Found spike/tag in 10" Maple blazed tree  
 N30E 14.60' Found spike in 12" Birch blazed tree  
 Set Carsonite Post 5" north
- G12 W 1/4 corner section 34, T16N-R1E  
 Found iron capped 43066  
 N30W 0.15' Face 2" steel post 4' tall  
 N35E 8.28' Set spike in 4" American Elm  
 S16E 25.17' Set spike in 4" Spruce  
 S03W 46.40' Set spike in 8" Oak  
 S53E 60.85' Set spike in 6" Oak

ISSUED FOR: 08.26.2020  
 CLIENT REVIEW 09.25.2020  
 CLIENT USE

MICHIGAN DNR  
 ATTN: JEREMY PIPP, PS  
 DNR NUMBER: FM 40-18

REVISIONS:  
 SCALE 1" = 400'  
 SHEET: 1 OF 1  
 PROJECT NO: 10739

SECTION 4, T15N R1E  
 SECTION 33 & 34, T16N R1E  
 MIDLAND COUNTY, MICHIGAN  
 BOUNDARY AND RETRACEMENT  
 SURVEY

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# MUXLOW SURVEYING

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THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY REPRODUCTION SCALE.