CERTIFICATE OF SURVEY

PART OF SECTIONS 12 & 13 TOWNSHIP 140, RANGE 27
PART OF SECTION 18 TOWNSHIP 140, RANGE 26
CASS COUNTY, MINNESOTA

This survey was performed, and the survey map prepared, without benefit of either a title insurance commitment or an attorney's title opinion. The record boundary and easement information (if any) shown hereon is based on information provided by the client. Research of documents affecting title to the property surveyed or adjoining properties has been limited to a cursory review of record information and it is recommended that all title matters affecting this property and survey be reviewed by an attorney or other title professional.

0 200 400 600 800
SCALE IN FEET

Horizontal Datum: Coss County North NAD83 (1996)

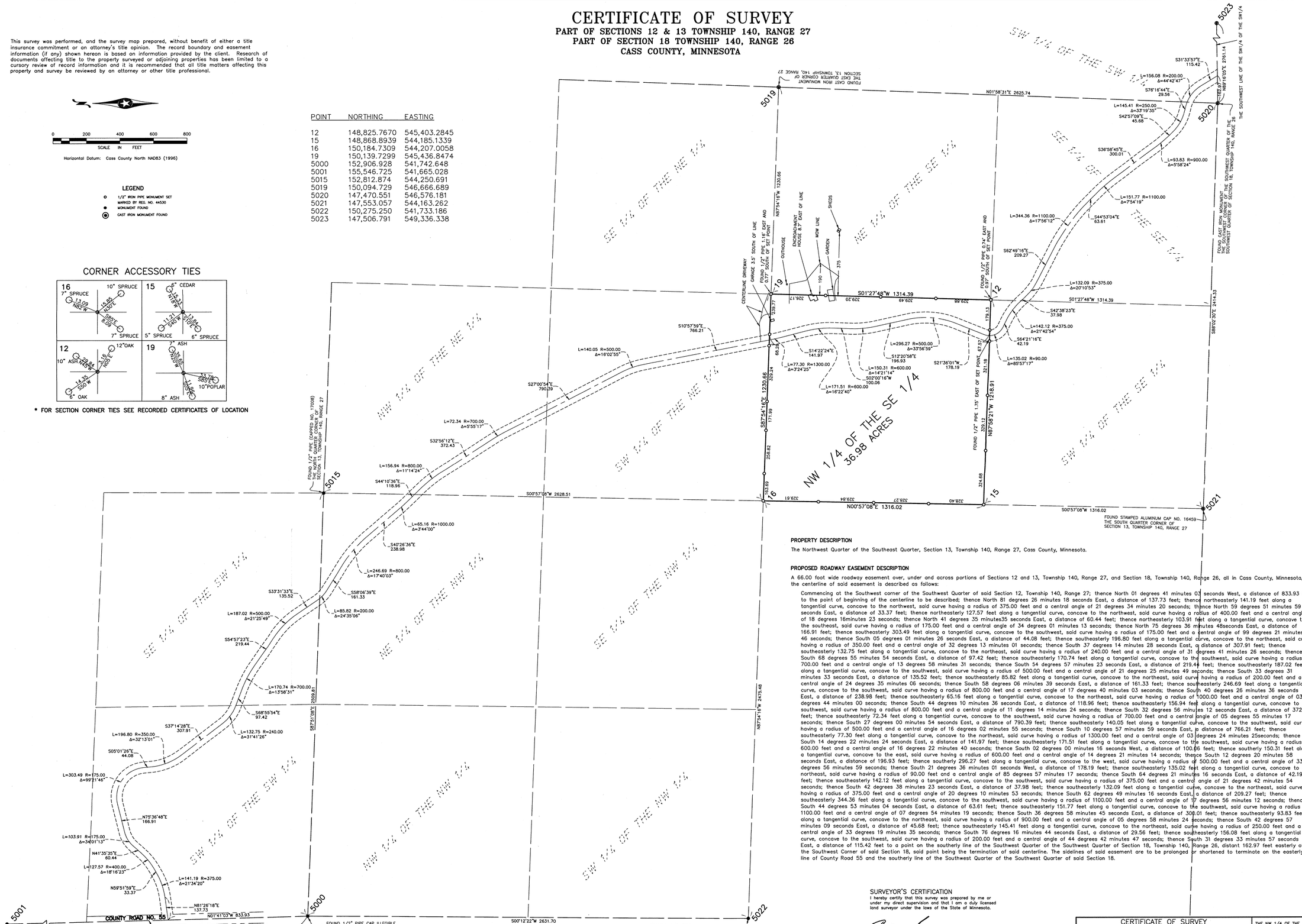
LEGEND

- 1/2" IRON PIPE MONUMENT SET MARKED BY REG. NO. 44530
- MONUMENT FOUND
- CAST IRON MONUMENT FOUND

POINT	NORTHING	EASTING
12	148,825.7670	545,403.2845
15	148,868.8939	544,185.1339
16	150,184.7309	544,207.0058
19	150,139.7299	545,436.8474
5000	152,906.928	541,742.648
5001	155,546.725	541,665.028
5015	152,812.874	544,250.691
5019	150,094.729	546,666.689
5020	147,470.551	546,576.181
5021	147,553.057	544,163.262
5022	150,275.250	541,733.186
5023	147,506.791	549,336.338

CORNER ACCESSORY TIES

* FOR SECTION CORNER TIES SEE RECORDED CERTIFICATES OF LOCATION



PROPERTY DESCRIPTION

The Northwest Quarter of the Southeast Quarter, Section 13, Township 140, Range 27, Cass County, Minnesota.

PROPOSED ROADWAY EASEMENT DESCRIPTION

A 66.00 foot wide roadway easement over, under and across portions of Sections 12 and 13, Township 140, Range 27, and Section 18, Township 140, Range 26, all in Cass County, Minnesota, the centerline of said easement is described as follows:

Commencing at the Southwest corner of the Southwest Quarter of said Section 12, Township 140, Range 27; thence North 01 degrees 41 minutes 03 seconds West, a distance of 833.93 feet to the point of beginning of the centerline to be described; thence North 81 degrees 26 minutes 18 seconds East, a distance of 137.73 feet; thence northeasterly 141.19 feet along a tangential curve, concave to the northwest, said curve having a radius of 375.00 feet and a central angle of 21 degrees 34 minutes 20 seconds; thence North 59 degrees 51 minutes 59 seconds East, a distance of 33.37 feet; thence northeasterly 127.57 feet along a tangential curve, concave to the northwest, said curve having a radius of 400.00 feet and a central angle of 18 degrees 16minutes 23 seconds; thence North 41 degrees 35 minutes35 seconds East, a distance of 60.44 feet; thence northeasterly 103.91 feet along a tangential curve, concave to the southeast, said curve having a radius of 175.00 feet and a central angle of 34 degrees 01 minutes 13 seconds; thence North 75 degrees 36 minutes 48seconds East, a distance of 166.91 feet; thence southeasterly 303.49 feet along a tangential curve, concave to the southwest, said curve having a radius of 175.00 feet and a central angle of 99 degrees 21 minutes 46 seconds; thence South 05 degrees 01 minutes 26 seconds East, a distance of 44.08 feet; thence southeasterly 196.80 feet along a tangential curve, concave to the northeast, said curve having a radius of 350.00 feet and a central angle of 32 degrees 13 minutes 01 seconds; thence South 37 degrees 14 minutes 28 seconds East, a distance of 307.91 feet; thence southeasterly 132.75 feet along a tangential curve, concave to the northeast, said curve having a radius of 240.00 feet and a central angle of 31 degrees 41 minutes 26 seconds; thence South 68 degrees 55 minutes 54 seconds East, a distance of 97.42 feet; thence southeasterly 170.74 feet along a tangential curve, concave to the southwest, said curve having a radius of 700.00 feet and a central angle of 13 degrees 58 minutes 31 seconds; thence South 54 degrees 57 minutes 23 seconds East, a distance of 219.44 feet; thence southeasterly 187.02 feet along a tangential curve, concave to the southwest, said curve having a radius of 500.00 feet and a central angle of 21 degrees 25 minutes 49 seconds; thence South 33 degrees 31 minutes 33 seconds East, a distance of 135.52 feet; thence southeasterly 85.82 feet along a tangential curve, concave to the northeast, said curve having a radius of 200.00 feet and a central angle of 24 degrees 35 minutes 06 seconds; thence South 58 degrees 06 minutes 39 seconds East, a distance of 161.33 feet; thence southeasterly 246.69 feet along a tangential curve, concave to the southwest, said curve having a radius of 800.00 feet and a central angle of 17 degrees 40 minutes 03 seconds; thence South 40 degrees 26 minutes 36 seconds East, a distance of 238.98 feet; thence southeasterly 65.16 feet along a tangential curve, concave to the northeast, said curve having a *radius* of 1000.00 feet and a central angle of 03 degrees 44 minutes 00 seconds; thence South 44 degrees 10 minutes 36 seconds East, a distance of 118.96 feet; thence southeasterly 156.94 feet along a tangential curve, concave to the southwest, said curve having a radius of 800.00 feet and a central angle of 11 degrees 14 minutes 24 seconds; thence South 32 degrees 56 minutes 12 seconds East, a distance of 372.43 feet; thence southeasterly 72.34 feet along a tangential curve, concave to the southwest, said curve having a radius of 700.00 feet and a central angle of 05 degrees 55 minutes 17 seconds; thence South 27 degrees 00 minutes 54 seconds East, a distance of 790.39 feet; thence southeasterly 140.05 feet along a tangential curve, concave to the southwest, said curve having a radius of 500.00 feet and a central angle of 16 degrees 02 minutes 55 seconds; thence South 10 degrees 57 minutes 59 seconds East, a distance of 766.21 feet; thence southeasterly 77.30 feet along a tangential curve, concave to the northeast, said curve having a radius of 1300.00 feet and a central angle of 03 degrees 24 minutes 25seconds; thence South 14 degrees 22 minutes 24 seconds East, a distance of 141.97 feet; thence southeasterly 171.51 feet along a tangential curve, concave to the southwest, said curve having a radius of 600.00 feet and a central angle of 16 degrees 22 minutes 40 seconds; thence South 02 degrees 00 minutes 16 seconds West, a distance of 100.06 feet; thence southerly 150.31 feet along a tangential curve, concave to the east, said curve having a radius of 600.00 feet and a central angle of 14 degrees 21 minutes 14 seconds; thence South 12 degrees 20 minutes 58 seconds East, a distance of 196.93 feet; thence southerly 296.27 feet along a tangential curve, concave to the west, said curve having a radius of 500.00 feet and a central angle of 33 degrees 56 minutes 59 seconds; thence South 21 degrees 36 minutes 01 seconds West, a distance of 178.19 feet; thence southeasterly 135.02 feet along a tangential curve, concave to the northeast, said curve having a radius of 90.00 feet and a central angle of 85 degrees 57 minutes 17 seconds; thence South 64 degrees 21 minutes 16 seconds East, a distance of 42.19 feet; thence southeasterly 142.12 feet along a tangential curve, concave to the southwest, said curve having a radius of 375.00 feet and a central angle of 21 degrees 42 minutes 54 seconds; thence South 42 degrees 38 minutes 23 seconds East, a distance of 37.98 feet; thence southeasterly 132.09 feet along a tangential curve, concave to the northeast, said curve having a radius of 375.00 feet and a central angle of 20 degrees 10 minutes 53 seconds; thence South 62 degrees 49 minutes 16 seconds East, a distance of 209.27 feet; thence southeasterly 344.36 feet along a tangential curve, concave to the southwest, said curve having a radius of 1100.00 feet and a central angle of 17 degrees 56 minutes 12 seconds; thence South 44 degrees 53 minutes 04 seconds East, a distance of 63.61 feet; thence southeasterly 151.77 feet along a tangential curve, concave to the southwest, said curve having a radius of 1100.00 feet and a central angle of 07 degrees 54 minutes 19 seconds; thence South 36 degrees 58 minutes 45 seconds East, a distance of 300.01 feet; thence southeasterly 93.83 feet along a tangential curve, concave to the northeast, said curve having a radius of 900.00 feet and a central angle of 05 degrees 58 minutes 24 seconds; thence South 42 degrees 57 minutes 09 seconds East, a distance of 45.68 feet; thence southeasterly 145.41 feet along a tangential curve, concave to the northeast, said curve having a radius of 250.00 feet and a central angle of 33 degrees 19 minutes 35 seconds; thence South 76 degrees 16 minutes 44 seconds East, a distance of 29.56 feet; thence southeasterly 156.08 feet along a tangential curve, concave to the southwest, said curve having a radius of 200.00 feet and a central angle of 44 degrees 42 minutes 47 seconds; thence South 31 degrees 33 minutes 57 seconds East, a distance of 115.42 feet to a point on the southerly line of the Southwest Quarter of the Southwest Quarter of Section 18, Township 140, Range 26, distant 162.97 feet easterly of the Southwest Corner of said Section 18, said point being the termination of said centerline. The sidelines of said easement are to be prolonged or shortened to terminate on the easterly line of County Road 55 and the southerly line of the Southwest Quarter of the Southwest Quarter of said Section 18.

SURVEYOR'S CERTIFICATION

I hereby certify that this survey was prepared by me or under my direct supervision and that I am a duly licensed land surveyor under the laws of the State of Minnesota.

Craig E. Johnson
License Number 44530

12/12/2012
Date

RECEIVED
6155
OCT 7 2013
18-140-26 12-140-27
13-140-27
COUNTY SURVEYOR

CERTIFICATE OF SURVEY CASS COUNTY PROJECT NO. 13		THE NW 1/4 OF THE SE 1/4 SECTION 13, TOWNSHIP 140, RANGE 27
BOLTON & MENK, INC. Consulting Engineers & Surveyors 7533 SUNWOOD DRIVE, STE 206, RAMSEY, MN 55303 (763) 433-2851 MANKATO, FAIRMONT, SLEEPY EYE, BURNSVILLE, WILLMAR, CHASKA, RAMSEY, MAPLEWOOD, BAXTER, ROCHESTER, MINNESOTA & AMES, SPENCER, IOWA		CASS COUNTY MINNESOTA FOR: CASS COUNTY LAND DEPARTMENT

I:\CASS\R161052361\C30\SD8105236H | JOB NUMBER: | FIELD BOOK: GTD R-04, PG 8-14 DRAWN BY: CEJ | S13-T140-R27-42

©Bolton & Menk, Inc. 2012, All Rights Reserved