CERTIFICATE OF SURVEY

PINE LAKE ROAD NW,
SECTIONS 8, 9, 16, 17, 19, 20, & 21, TOWNSHIP 141 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA

RECEIVED
#21787
JAN 6 2014
8,9,16,17,19,20,21-141-29
COUNTY SURVEYOR

PROPOSED ROAD DESCRIPTIONS:

30-008-0001 (U.S.A.)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the East 33.00 feet of the Southeast Quarter of the Northeast Quarter and the Northeast Quarter of the Southeast Quarter, both in Section 8, Township 141 North, Range 29 West, Cass County, Minnesota.

30-009-2201 (Leech Lake Area Watershed)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of Government Lot 4, Section 9, Township 141 North, Range 29 West, Cass County, Minnesota.

30-009-3201 (Raymond Pence)
30-009-3203 (Kimberly Bredeson)
30-009-3204 (Arne Knowles)
30-009-3100 (William Jr & Harvey Fox, Harriet Edwards)
30-009-3206 (Bradley Miller)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of the Northwest Quarter of the Southwest Quarter, Section 9, Township 141 North, Range 29 West, Cass County, Minnesota.

30-008-4400 (Paul Boege)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the East 33.00 feet of the Southeast Quarter of the Southeast Quarter, Section 8, Township 141 North, Range 29 West, Cass County, Minnesota.

30-009-0002 (U.S.A.)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of the Southwest Quarter of the Southwest Quarter, Section 9, Township 141 North, Range 29 West, Cass County, Minnesota.

30-016-2201 (Roger Potter)
30-016-2202 (Pine Lake Trail LLC.)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of the Northwest Quarter of the Northwest Quarter, Section 16, Township 141 North, Range 29 West, Cass County, Minnesota.

30-017-0001 (U.S.A.)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the East 33.00 feet of the Northeast Quarter of the Northeast Quarter and the North Half of the Southeast Quarter of the Northeast Quarter, both in Section 17, Township 141 North, Range 29 West, Cass County, Minnesota.

PROPOSED ROAD DESCRIPTIONS:

30-016-2401 (Wayne & Tanya Mathews)
30-016-2307 (Jean Mens, Trustee)
30-016-2308 (Richard & Jill Patzoldt)
30-016-2304 (Jean Mens)
30-016-2302 (Jean Mens)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of the Southwest Quarter of the Northwest Quarter, Section 16, Township 141 North, Range 29 West, Cass County, Minnesota.

30-017-1401 (Tony Trimble, Trustee)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the East 33.00 feet of the South Half of the Southeast Quarter of the Northeast Quarter, Section 17, Township 141 North, Range 29 West, Cass County, Minnesota.

30-016-3201 (John Emery, Trustee)
30-016-3202 (Tax Forfeited)
30-017-4101 (Todd & Kristilyn Huebner)
30-017-4102 (Todd & Kristilyn Huebner)
A 66.00 foot wide easement for ingress, egress, and utility purposes over, under, and across that part of the Northwest Quarter of the Southwest Quarter, Section 16 and that part of the Northeast Quarter of the Southeast Quarter, Section 17, both in Township 141 North, Range 29 West, Cass County, Minnesota, the centerline of said 66.00 foot wide easement is described as follows: BEGINNING at the northwest corner of said Northwest Quarter of the Southwest Quarter; thence South 01 degrees 15 minutes 22 seconds East, assigned bearing, along the west line of said Northwest Quarter of the Southwest Quarter, 73.59 feet; thence southerly 336.73 feet, along a tangential curve, concave to the east, having a radius of 700.00 feet and a central angle of 27 degrees 33 minutes 43 seconds; thence South 28 degrees 49 minutes 05 seconds East, tangent to said curve, 83.33 feet; thence southerly 210.41 feet, along a tangential curve, concave to the west, having a radius of 215.00 feet and a central angle of 56 degrees 04 minutes 19 seconds; thence South 27 degrees 15 minutes 14 seconds West, tangent to said last described curve, 161.14 feet; thence southerly 161.72 feet, along a tangential curve, concave to the east, having a radius of 325.00 feet and a central angle of 28 degrees 30 minutes 36 seconds to said west line; thence South 01 degrees 15 minutes 22 seconds East, along said west line, 357.58 feet to the southwest corner of said Northwest Quarter of the Southwest Quarter and said described centerline there terminating.
The sidelines of said 66.00 foot wide easement shall be prolonged or shortened to terminate on the north and south lines of said Northwest Quarter of the Southwest Quarter, Section 16 and said Northeast Quarter of the Southeast Quarter, Section 17.

30-016-3300 (Tax Forfeited)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the West 33.00 feet of the Southwest Quarter of the Southwest Quarter, Section 16, Township 141 North, Range 29 West, Cass County, Minnesota.

30-017-4402 (Robert Emery)
30-017-4403 (Laura Emery)
30-017-4401 (Todd & Kristilyn Huebner)
A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the East 33.00 feet of the Southeast Quarter of the Southeast Quarter, Section 17, Township 141 North, Range 29 West, Cass County, Minnesota.

PROPOSED ROAD DESCRIPTIONS:

30-021-2200 (Tax Forfeited)
30-020-1100 (Pine Lake Township)
30-020-1200 (Tax Forfeited)
30-020-1300 (Tax Forfeited)
30-020-0001 (U.S.A.)
A 66.00 foot wide easement for ingress, egress, and utility purposes over, under, and across that part of the Northwest Quarter of the Northwest Quarter, Section 21 and that part of the North Half of Section 20, both in Township 141 North, Range 29 West, Cass County, Minnesota, the centerline of said 66.00 foot wide easement is described as follows: BEGINNING at the northeast corner of said North Half of Section 21; thence South 00 degrees 34 minutes 55 seconds West, assigned bearing, along the east line of said North Half, 84.19 feet; thence southerly 97.05 feet, along a tangential curve, concave to the west, having a radius of 200.00 feet and a central angle of 27 degrees 48 minutes 12 seconds; thence South 28 degrees 23 minutes 07 seconds West, tangent to said curve, 86.67 feet; thence South 24 degrees 55 minutes 18 seconds West 125.11 feet; thence southwesterly 180.62 feet, along a tangential curve, concave to the northwest, having a radius of 300.00 feet and a central angle of 34 degrees 29 minutes 44 seconds; thence South 59 degrees 25 minutes 02 seconds West, tangent to said last described curve, 123.56 feet; thence South 51 degrees 25 minutes 18 seconds West 171.82 feet; thence South 50 degrees 04 minutes 37 seconds West 123.83 feet; thence South 46 degrees 49 minutes 31 seconds West 81.56 feet; thence South 43 degrees 19 minutes 36 seconds West 96.66 feet; thence South 50 degrees 46 minutes 47 seconds West 42.27 feet; thence southwesterly 76.30 feet, along a tangential curve, concave to the northwest, having a radius of 200.00 feet and a central angle of 21 degrees 51 minutes 32 seconds; thence South 72 degrees 38 minutes 19 seconds West, tangent to said last described curve, 146.50 feet; thence southwesterly 120.45 feet, along a tangential curve, concave to the southeast, having a radius of 600.00 feet and a central angle of 11 degrees 30 minutes 06 seconds; thence South 61 degrees 08 minutes 13 seconds West, tangent to said last described curve, 23.86 feet; thence southwesterly 178.32 feet, along a tangential curve, concave to the northwest, having a radius of 425.00 feet and a central angle of 24 degrees 02 minutes 23 seconds; thence South 85 degrees 10 minutes 36 seconds West, tangent to said last described curve, 132.10 feet; thence southwesterly 288.88 feet, along a tangential curve, concave to the southeast, having a radius of 600.00 feet and a central angle of 27 degrees 35 minutes 09 seconds; thence South 57 degrees 35 minutes 27 seconds West, tangent to said last described curve, 88.55 feet; thence southwesterly 104.87 feet, along a tangential curve, concave to the northwest, having a radius of 175.00 feet and a central angle of 34 degrees 20 minutes 08 seconds; thence North 88 degrees 04 minutes 25 seconds West, tangent to said last described curve, 2082.82 feet to a point on the west line of the Southeast Quarter of the Northwest Quarter, said Section 20 distant 33.02 feet southerly of the northwest corner of said Southeast Quarter of the Northwest Quarter as measured along said west line and said described centerline there terminating.
The sidelines of said 66.00 foot wide easement shall be prolonged or shortened to terminate on the north lines of said Section 20 and 21 and on the west line of said Southeast Quarter of the Northwest Quarter, Section 20.

30-020-0001 (U.S.A.)
30-020-2002 (Co Bd of Ed for Unorg Terr)
A 66.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the North 66.00 feet of the Southwest Quarter of the Northwest Quarter, Section 20, Township 141 North, Range 29 West, Cass County, Minnesota.

30-019-1301 (Patricia Prescott & Jay Hove)
A 66.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the North 66.00 feet of the Southeast Quarter of the Northeast Quarter, Section 19, Township 141 North, Range 29 West, Cass County, Minnesota.
AND
An easement for ingress, egress, and utility purposes over, under, and across that part of the Southwest Quarter of the Northeast Quarter, Section 19, Township 141 North, Range 29 West, Cass County, Minnesota, described as follows: BEGINNING at the northeast corner of said Southwest Quarter of the Northeast Quarter; thence South 00 degrees 24 minutes 08 seconds West, assigned bearing, along the east line thereof, a distance of 80.00 feet; thence North 89 degrees 18 minutes 59 seconds West 127.00 feet; thence North 00 degrees 24 minutes 08 seconds East 24.00 feet; thence North 89 degrees 18 minutes 59 seconds West 30.00 feet; thence North 00 degrees 24 minutes 08 seconds East 8.00 feet; thence North 86 degrees 32 minutes 37 seconds West 62.00 feet; thence North 00 degrees 41 minutes 01 seconds East 45.00 feet to the north line of said Southwest Quarter of the Northeast Quarter; thence South 89 degrees 18 minutes 59 seconds East, along said north line, 218.69 feet to the point of beginning.

REVISIONS:			
NO.	DATE	DESCRIPTION	BY

I HEREBY CERTIFY THAT THIS SURVEY, PLAN OR REPORT 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.
Terry L Riesman 21367
TERRY L RIESMAN LIC. NO. 21367

NORTHERN ENGINEERING & CONSULTING, INC.
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web: www.northernec.com

CERTIFICATE OF SURVEY
Pine Lake Township Attn: Kathy Miller
1680 Pine Lake Road
Walker, MN 56484

JOB NO. 10-37
DATE: 12-08-2010

SHEET NO.
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