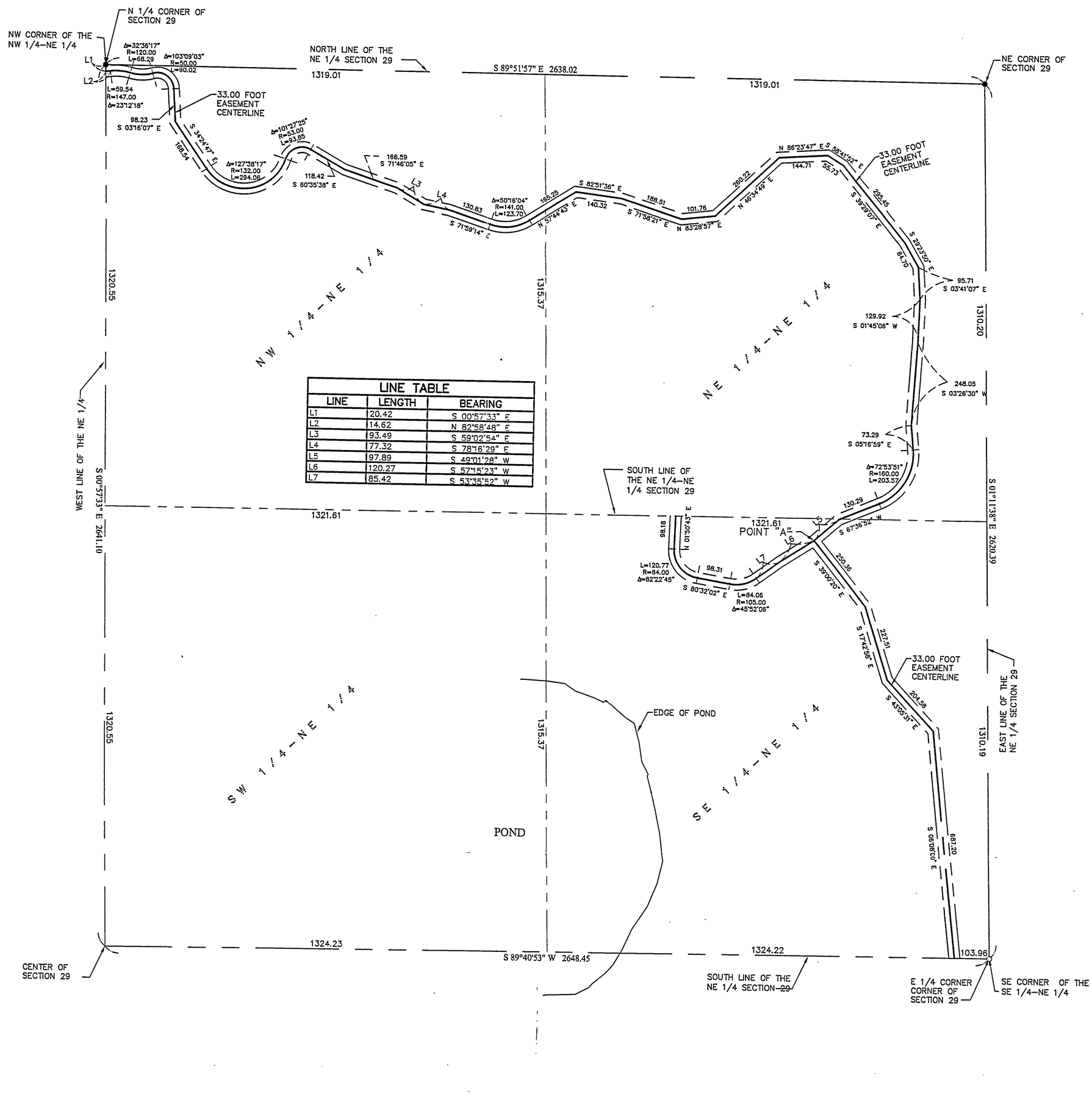
# CERTIFICATE OF SURVEY

## EASEMENT

PART OF SECTION 29
TOWNSHIP 134 NORTH, RANGE 30 WEST
CASS COUNTY, MINNESOTA




| LINE TABLE | | |
|---|---|---|
| LINE | LENGTH | BEARING |
| L1 | 20.42 | S 00°57'33" E |
| L2 | 14.62 | N 82°58'48" E |
| L3 | 93.49 | S 59°02'54" E |
| L4 | 77.32 | S 78°16'29" E |
| L5 | 97.89 | S 49°01'28" W |
| L6 | 120.27 | S 57°15'23" W |
| L7 | 85.42 | S 53°35'52" W |

**PROPOSED EASEMENT DESCRIPTION**

A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the Northwest Quarter of the Northeast Quarter, the Northeast Quarter of the Northeast Quarter, and the Southeast Quarter of the Northeast Quarter, Section 29, Township 134 North, Range 30 West, Cass County, Minnesota, the centerline thereof is described as follows:
Commencing at the Northwest corner of said Northwest Quarter of the Northeast Quarter; thence South 00 degrees 57 minutes 33 seconds East, assumed bearing, along the West line of said Northwest Quarter of the Northeast Quarter 20.42 feet to the point of beginning of the centerline to be herein described; thence North 82 degrees 58 minutes 48 seconds East 14.62 feet; thence Easterly 59.54 feet along a tangential curve concave to the South having a radius of 147.00 feet and central angle of 23 degrees 12 minutes 18 seconds; thence Easterly 68.29 feet along a reverse curve concave to the North having a radius of 120.00 feet and a central angle of 32 degrees 36 minutes 17 seconds; thence Easterly, Southeasterly and Southerly 90.02 feet along a reverse curve concave to the Southwest having a radius of 50.00 feet and a central angle of 103 degrees 09 minutes 03 seconds; thence South 03 degrees 16 minutes 07 seconds East tangent to said last described curve 98.23 feet; thence South 34 degrees 24 minutes 47 seconds East 168.54 feet; thence Southeasterly, Easterly and Northeasterly 294.06 feet along a tangential curve concave to the North having a radius of 132.00 feet and a central angle of 127 degrees 38 minutes 17 seconds; thence Northeasterly, Easterly and Southeasterly 93.85 feet along a reverse curve concave to the Southeast having a radius of 53.00 feet and a central angle of 101 degrees 27 minutes 25 seconds; thence South 60 degrees 35 minutes 38 seconds East tangent to said last described curve 118.42 feet; thence South 71 degrees 46 minutes 05 seconds East 166.59 feet; thence South 59 degrees 02 minutes 54 seconds East 93.49 feet; thence South 78 degrees 16 minutes 29 seconds East 77.32 feet; thence South 71 degrees 59 minutes 14 seconds East 130.83 feet; thence Easterly and Northeasterly 123.70 feet along a tangential curve concave to the North having a radius of 141.00 feet and a central angle of 50 degrees 16 minutes 04 seconds; thence North 57 degrees 44 minutes 43 seconds East tangent to said last described curve 165.25 feet; thence South 82 degrees 51 minutes 36 seconds East 140.32 feet; thence South 71 degrees 58 minutes 21 seconds East 188.51 feet; thence North 83 degrees 28 minutes 57 seconds East 101.76 feet; thence North 46 degrees 34 minutes 49 seconds East 260.22 feet; thence North 86 degrees 23 minutes 47 seconds East 144.71 feet; thence South 58 degrees 41 minutes 52 seconds East 55.73 feet; thence South 39 degrees 29 minutes 07 seconds East 295.45 feet; thence South 29 degrees 23 minutes 50 seconds East 84.70 feet; thence South 03 degrees 41 minutes 07 seconds East 95.71 feet; thence South 01 degree 45 minutes 06 seconds West 129.92 feet; thence South 03 degrees 26 minutes 30 seconds West 248.05 feet; thence South 05 degrees 16 minutes 59 seconds East 73.29 feet; thence Southerly and Southwesterly 203.57 feet along a tangential curve concave to the Northwest having a radius of 160.00 feet and a central angle of 72 degrees 53 minutes 51 seconds; thence South 67 degrees 36 minutes 52 seconds West tangent to said last described curve 130.29 feet; thence South 49 degrees 01 minute 28 seconds West 97.89 feet to a point herein after referred to as Point "A"; thence South 57 degrees 15 minutes 23 seconds West 120.27 feet; thence South 53 degrees 35 minutes 52 seconds West 85.42 feet; thence Southwesterly and Westerly 84.06 feet along a tangential curve concave to the Northwest having a radius of 105.00 feet and a central angle of 45 degrees 52 minutes 06 seconds; thence North 80 degrees 32 minutes 02 seconds West tangent to said last described curve 98.31 feet; thence Northwesterly and Northerly 120.77 feet along a tangential curve concave to the Northeast having a radius of 84.00 feet and a central angle of 82 degrees 22 minutes 45 seconds; thence North 01 degree 50 minutes 43 seconds East tangent to said last described curve 98.18 feet, more or less, to the South line of said Northeast Quarter of the Northeast Quarter and said centerline there terminating.

The sidelines of said easement shall be prolonged or shortened to terminate with said West line and said South line.

AND

A 33.00 foot wide easement for ingress, egress, and utility purposes over, under, and across the Southeast Quarter of the Northeast Quarter, Section 29, Township 134 North, Range 30 West, Cass County, Minnesota, the centerline is described as follows:
Beginning at said Point "A"; thence South 39 degrees 00 minutes 20 seconds East 250.36 feet; thence South 17 degrees 42 minutes 58 seconds East 227.51 feet; thence South 43 degrees 05 minutes 31 seconds East 204.58 feet; thence South 06 degrees 08 minutes 00 seconds East 687.20 feet, more or less, to the South line of said Southeast Quarter of the Northeast Quarter, said point being 103.96 feet South 89 degrees 40 minutes 53 seconds West from the Southeast corner of said Southeast Quarter of the Northeast Quarter and said centerline there terminating.

The sidelines of said easement shall be prolonged or shortened to terminate with said South line.

**NOTES:**

NO IMPROVEMENTS, TOPOGRAPHY, OR WET LANDS INFORMATION HAS BEEN SURVEYED OR SHOWN ON THIS CERTIFICATE.

● DENOTES MONUMENT FOUND

o DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 17008

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE WEST LINE OF THE NE 1/4 SECTION 29 TO HAVE AN ASSUMED BEARING OF S 00°57'33" E.

N
200 0 200 400
SCALE IN FEET

SHEET 1 OF 1

CERTIFICATE OF SURVEY
EASEMENT

Chuck Anderson
BWCA Land Company LLP
PO Box 191
Sauk Center, MN 56378

| PROJ. MGR. | COMPUTER: | DATE: |
|---|---|---|
| DSL | C021162 | 02/14/03 |
| CHECKED BY: | FIELD BOOK: | SCALE: |
| DSL | BOOK 219 PG. 63 | HORZ. 1"= 200' |
| DRAWN BY: | FILE NO: | VERT. NONE |
| TPC | 021162 | |

| REVISIONS | | |
|---|---|---|
| DATE | DESCRIPTION | BY |
| 4/28/03 | Revised Easement & Description | CMH |

I HEREBY CERTIFY THAT THIS SURVEY, PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

DAVID S. LANDECKER PLS #17008
DATE 4/28/03 LIC. NO. 17008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AUG 26 2003
COUNTY SURVEYOR