

CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOT 4, SECTION 13 AND
PART OF GOVERNMENT LOT 1, SECTION 24
ALL IN TOWNSHIP 134 NORTH, RANGE 30 WEST
CASS COUNTY, MINNESOTA

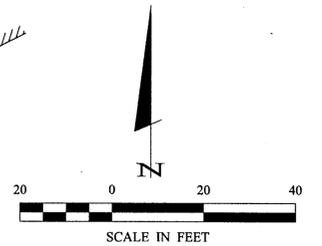
LEGEND

- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No.41002
- DENOTES RETAINING WALL
- ⊕ DENOTES POWER POLE WITH GUY WIRE
- ⊕ DENOTES SEPTIC TANK
- ⊕ DENOTES SANITARY LIFT STATION
- DENOTES CONCRETE PAD
- ← DENOTES SURFACE DRAINAGE FLOW
- 1200— DENOTES INDEX CONTOURS
- 1202— DENOTES INTERMEDIATE CONTOURS
- WET LANDS DENOTES WET LANDS
- ⊕ DENOTES BENCHMARK: 3/8" SPIKE IN 16" BLACK ASH ELEVATION=1197.67
- ⊕ DENOTES PROPOSED NEW DEEP WELL

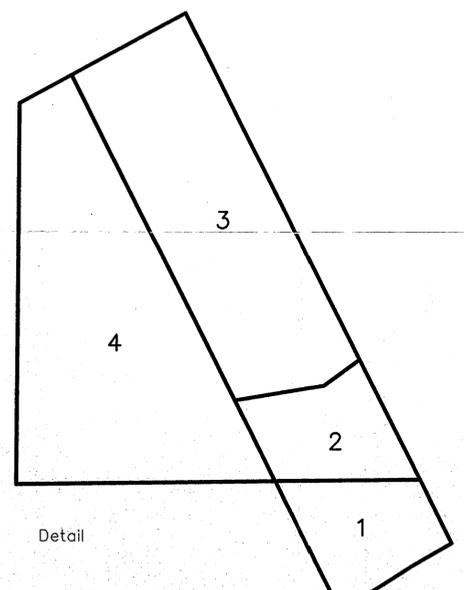
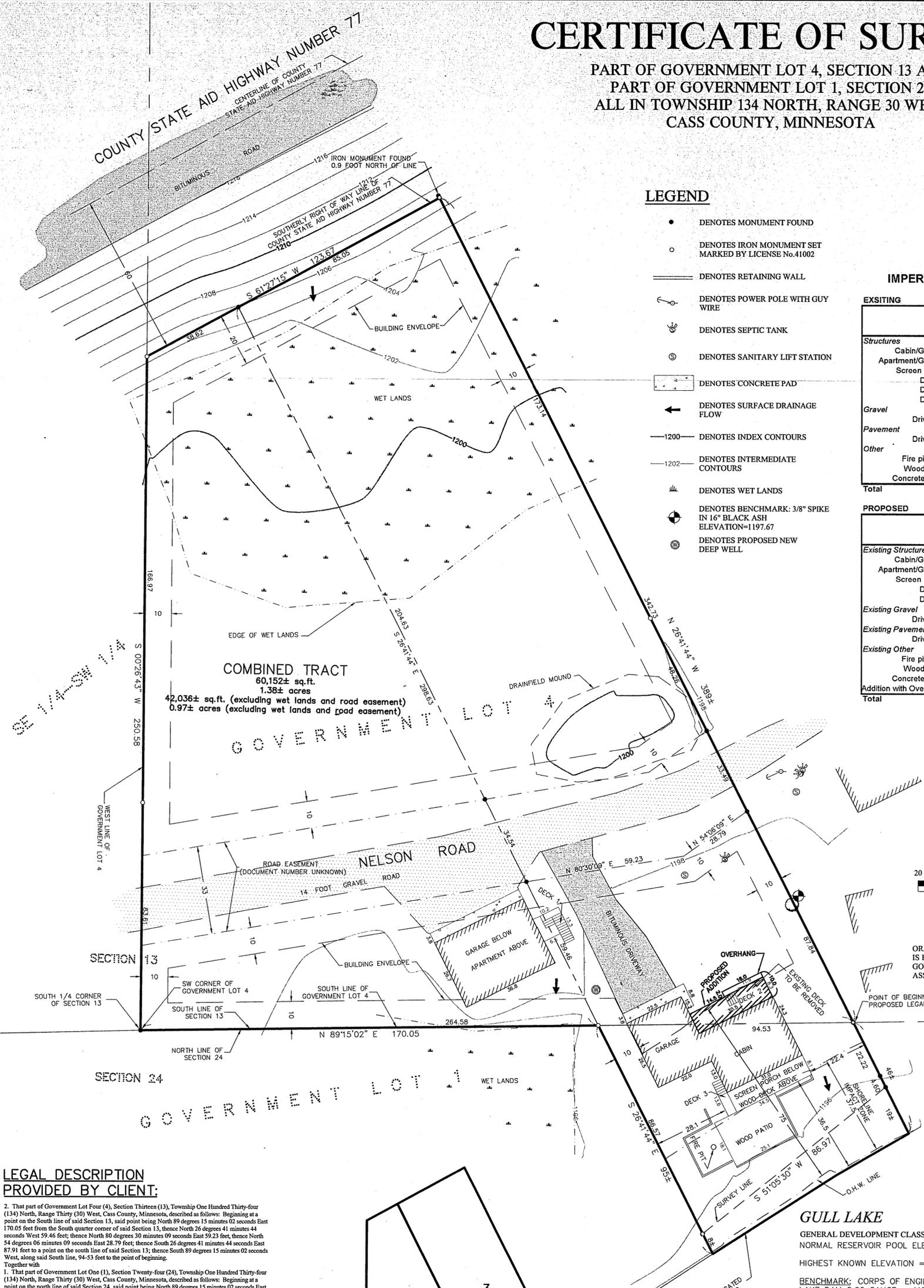
IMPERVIOUS CALCULATIONS

EXISTING			
Structures	Impervious Area (sq.ft.)	Total Net Area (sq.ft.)	Percent Impervious (sq. ft.)
Cabin/Garage	1,340.00	42,036.00	3.2%
Apartment/Garage	981.00	42,036.00	2.3%
Screen Porch	250.00	42,036.00	0.6%
Deck 1	109.00	42,036.00	0.3%
Deck 2	112.00	42,036.00	0.3%
Deck 3	48.00	42,036.00	0.1%
Gravel Driveway	339.00	42,036.00	0.8%
Pavement Driveway	1,002.00	42,036.00	2.4%
Other			
Fire pit area	192.00	42,036.00	0.5%
Wood patio	442.00	42,036.00	1.1%
Concrete pads	249.00	42,036.00	0.6%
Total	5,064.00	42,036.00	12.0%

PROPOSED			
Structures	Impervious Area (sq.ft.)	Total Net Area (sq.ft.)	Percent Impervious (sq. ft.)
Existing Structures			
Cabin/Garage	1,340.00	42,036.00	3.2%
Apartment/Garage	981.00	42,036.00	2.3%
Screen Porch	250.00	42,036.00	0.6%
Deck 1	109.00	42,036.00	0.3%
Deck 3	48.00	42,036.00	0.1%
Existing Gravel Driveway	339.00	42,036.00	0.8%
Existing Pavement Driveway	1,002.00	42,036.00	2.4%
Existing Other			
Fire pit area	192.00	42,036.00	0.5%
Wood patio	442.00	42,036.00	1.1%
Concrete pads	249.00	42,036.00	0.6%
Addition with Overhang	276.00	42,036.00	0.7%
Total	6,228.00	42,036.00	12.4%



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE SOUTH LINE OF GOVERNMENT LOT 4 TO HAVE AN ASSUMED BEARING OF N 89°15'02" E.

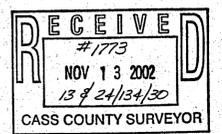


GULL LAKE
GENERAL DEVELOPMENT CLASSIFICATION
NORMAL RESERVOIR POOL ELEVATION = 1194.00
HIGHEST KNOWN ELEVATION = 1195.44
BENCHMARK: CORPS OF ENGINEERS GAUGE AT GULL LAKE DAM 0.00 GAUGE = 1188.14 ELEVATION DATUM: NGVD 1929. PER MN DNR.
LAKE ELEVATION = 1193.71, OCTOBER 8, 2002

PROPOSED LEGAL DESCRIPTION:

That part of Government Lot 4, Section 13, and that part of Government Lot 1, Section 24, all in Township 134 North, Range 30 West, Cass County, Minnesota described as follows: Commencing at the Southwest corner of said Government Lot 4; thence North 89 degrees 15 minutes 02 seconds East, assumed bearing, along the South line of said Government Lot 4 for a distance of 254.58 feet to the point of beginning of the tract to be hereinafter described; thence North 26 degrees 41 minutes 44 seconds West 342.73 feet, more or less, to the Southerly right-of-way line of County State Aid Highway Number 77; thence South 61 degrees 27 minutes 15 seconds West along said right-of-way line 123.67 feet, more or less, to the intersection with the West line of said Government Lot 4; thence South 00 degrees 26 minutes 43 seconds East along said West line 250.58 feet to the Southwest corner of said Government Lot 4; thence North 89 degrees 15 minutes 02 seconds East along said South line 170.05 feet; thence South 26 degrees 41 minutes 44 seconds East 95 feet, more or less, to the shoreline of Gull Lake; thence North 89 degrees 15 minutes 02 seconds East along said South line 26 degrees 41 minutes 44 seconds East from the point of beginning; thence North 26 degrees 41 minutes 44 seconds West 46 feet, more or less, to the point of beginning.

Subject to easements, restrictions and reservations of record.



LEGAL DESCRIPTION PROVIDED BY CLIENT:

2. That part of Government Lot Four (4), Section Thirteen (13), Township One Hundred Thirty-four (134) North, Range Thirty (30) West, Cass County, Minnesota, described as follows: Beginning at a point on the South line of said Section 13, said point being North 89 degrees 15 minutes 02 seconds East 170.05 feet from the South quarter corner of said Section 13, thence North 26 degrees 41 minutes 44 seconds West 59.46 feet; thence North 80 degrees 30 minutes 09 seconds East 59.23 feet, thence North 54 degrees 06 minutes 09 seconds East 28.79 feet; thence South 26 degrees 41 minutes 44 seconds East 87.91 feet to a point on the south line of said Section 13; thence South 89 degrees 15 minutes 02 seconds West, along said South line, 94.53 feet to the point of beginning.

Together with

1. That part of Government Lot One (1), Section Twenty-four (24), Township One Hundred Thirty-four (134) North, Range Thirty (30) West, Cass County, Minnesota, described as follows: Beginning at a point on the north line of said Section 24, said point being North 89 degrees 15 minutes 02 seconds East 170.05 feet from the North quarter corner of said Section 24, thence continuing along said north line, North 89 degrees 15 minutes 02 seconds East 94.53 feet; thence South 26 degrees 41 minutes 44 seconds East 48 feet, more or less, to the shore line of Gull Lake; thence southwesterly along said shore line to its intersection with a line which bears South 25 degrees 41 minutes 44 seconds East from the point of beginning; thence North 26 degrees 41 minutes 44 seconds West 94 feet, more or less, to the point of beginning and there terminating.

And

3. That part of Government Lot Four (4), Section Thirteen (13), Township One Hundred Thirty-four (134) North, Range Thirty (30) West, Cass County, Minnesota, described as follows: Commencing at the Southwest corner of said Government Lot 4; thence North 89 degrees 15 minutes 02 seconds East, assumed bearing, 170.05 feet along the south line of said Government Lot 4; thence North 26 degrees 41 minutes 44 seconds West 59.46 feet to the point of beginning of the tract to be described; thence continuing North 26 degrees 41 minutes 44 seconds West 239.17 feet to the southerly right-of-way of County State Aid Highway Number 77; thence North 61 degrees 27 minutes 15 seconds East 85.05 feet along said Southerly right-of-way line; thence South 26 degrees 41 minutes 44 seconds East 254.82 feet; thence South 54 degrees 06 minutes 09 seconds West 28.79 feet; thence South 80 degrees 30 minutes 09 seconds West 59.23 feet to the point of beginning.

4. That part of Govt. Lot 4 described as follows: Beginning at the southwest corner of said Govt. Lot 4; thence N. 00°26'55" W. 250.58' along the west line of said Govt. Lot 4 to the southerly right-of-way line of CSAH #77; thence N. 61°27'15" W. 123.67' along said southerly right-of-way line; thence S. 26°41'44" E. 254.84'; thence S. 54°06' W. 28.79'; thence S. 80°30' W. 59.23'; thence S. 26°41'44" E. 59.46' to the south line of said Govt. Lot 4; thence N. 89°15'02" W. 170.06' along said south line to the point of beginning.

LESS

That part of Government Lot 4, Section 13, Township 134 North, Range 30 West, Cass County, Minnesota, described as follows: Commencing at the Southwest corner of said Government Lot 4; thence North 89 degrees 15 minutes 02 seconds East, assumed bearing, 170.05 feet along the south line of said Government Lot 4; thence North 26 degrees 41 minutes 44 seconds West 59.46 feet to the point of beginning of the tract to be described; thence continuing North 26 degrees 41 minutes 44 seconds West 239.17 feet to the southerly right-of-way line of County State Aid Highway Number 77; thence North 61 degrees 27 minutes 15 seconds East 85.05 feet along said Southerly right-of-way line; thence South 26 degrees 41 minutes 44 seconds East 254.82 feet; thence South 54 degrees 06 minutes 09 seconds West 28.79 feet; thence South 80 degrees 30 minutes 09 seconds West 59.23 feet to the point of beginning.

- NOTES:**
1. CONTOUR INTERVAL AS SHOWN = 2 FOOT.
 2. ZONING FOR SUBJECT TRACT = "SHORELAND RESIDENTIAL"
 3. EXISTING WELL LOCATED IN CABIN.

SHEET 1 OF 1	CERTIFICATE OF SURVEY		PROJ. MGR. KTM	COMPUTER: C011357.dwg	DATE: 10/24/02	REVISIONS DESCRIPTION	BY	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.	Landecker & Associates, Inc. Engineering - Surveying - Planning Pequot Lakes, MN 56472 Phone: 1-888-866-4940 Fax: 218-568-5404
	Bill Bryan NOR-SON INC. P.O BOX 2658 Brainerd, MN 56401	CHECKED BY: PAT	FIELD BOOK: BOOK 208,222 PG. 45,60	SCALE: 1"=20'	HORZ. 1"=20'	VERT. NONE	Patrick A. Trotter, PLS # 41002 DATE: October 24, 2002 LIC. NO. 44002		