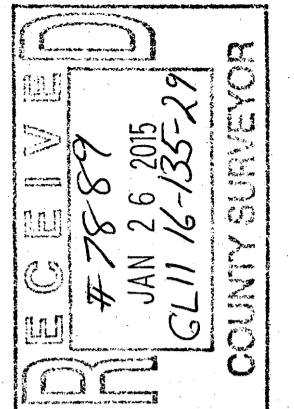
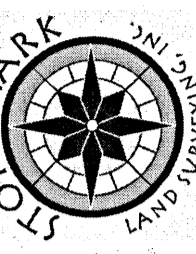


# CERTIFICATE OF SURVEY

LOT 4 AND PART OF LOT 3, PINE POINT  
SECTION 16, TOWNSHIP 135 NORTH, RANGE 29 WEST,  
CASS COUNTY, MINNESOTA  
AREA = 15,445 SQ.FT.± / 0.4 ACRES±



30176 Old Highway #371  
Suite 2  
Pequot Lakes, MN 56472  
Phone: 1-218-568-9940  
www.stonematsurveyor.com



**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  
LAKE ELEVATION = 1193.69 ON 11-07-2014

**LEGAL DESCRIPTION PER DOCUMENT NUMBER 354902**

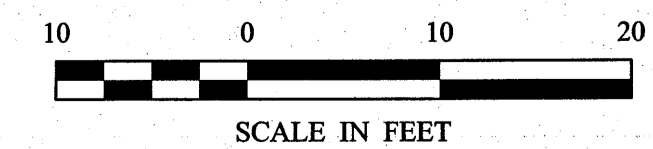
All of Lot Four (4), Plat of Pine Point, AND the South 40 feet of Lot Three (3), Plat of Pine Point, AND that part of Lot Three (3), Plat of Pine Point, described as follows: Beginning at the point on the north line of said Lot 3 which is 54.30 feet East from the Northwest corner of said Lot 3; thence East 70.85 feet along the north line of said Lot 3; thence South 10 feet; thence West 70.85 feet; thence North 10 feet to the point of beginning. Subject to all reservations and restrictions of record.



**LEGEND**

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES BLUFF AREA
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES EXISTING UTILITY POLE
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- DENOTES EDGE OF PROPOSED GRAVEL
- BENCHMARK: HIGH POINT OF WELL  
ELEV. = 1240.66
- DENOTES MONUMENT FOUND
- DENOTES PLAT AND/OR DEEDED MEASURE

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH LINE OF LOT 3 TO HAVE AN ASSUMED BEARING OF N 86°42'10" E.



**IMPERVIOUS CALCULATIONS**

EXISTING	Impervious Area (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
Structures			
House & Porch	487	15,445	3.0%
Decks	54	15,445	0.3%
Gravel			
Driveway	1,008	15,445	6.5%
Other			
Concrete	35	15,445	0.2%
<b>Total</b>	<b>1,564</b>	<b>15,445</b>	<b>10.1%</b>

**IMPERVIOUS CALCULATIONS**

PROPOSED	Impervious Area (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
Structures			
House	1,085	15,445	7.0%
Garage	576	15,445	3.7%
Deck	64	15,445	0.4%
Gravel-Existing & Proposed			
Driveway	1,571	15,445	10.2%
<b>Total</b>	<b>3,296</b>	<b>15,445</b>	<b>21.3%</b>

**NOTES:**

- Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown have been obtained using standard survey topographic methodologies. Field located on 11-07-2014.
- Zoning for subject tract = "Residential-Medium Density R-2 (Shoreline)".
- Parcel ID of subject parcel: 90-417-0040.
- The property address of subject parcel: 8020 Ridge Road.
- Location of septic system as per sketch provided by Martin Joyce, Martin Joyce Septic Designs.

DATE: 11/14/14  
SCALE: 1"=10'  
VERT. NONE

PROJECT No.: 14317  
FILE NAME: C:14317.dwg  
FIELD BOOK: BOOK 426 PG. 33

PROJECT MANAGER: CMH  
CHECKED BY: CMH  
DRAWN BY: RJF

CERTIFICATE OF SURVEY  
Donn Johnson  
P.O. Box 81  
Nisswa, MN 56468

SHEET  
1 of 1