

# CERTIFICATE OF SURVEY

LOT 12, PINE HARBOR,  
SECTION 29, TOWNSHIP 135 NORTH, RANGE 29 WEST,  
CASS COUNTY, MINNESOTA

### IMPERVIOUS CALCULATIONS

EXISTING	IMPERVIOUS AREA (sq. ft.)	Net Area (sq. ft.)	Percent Impervious (sq. ft.)
House	1,682	25,524	6.6%
Garage	852	25,524	3.3%
Concrete & Pavers	788	25,524	3.1%
Bituminous	2,110	25,524	8.3%
<b>Total</b>	<b>5,432</b>	<b>25,524</b>	<b>21.3%</b>

NET AREA = TOTAL AREA LESS PEBBLE BEACH ROAD ROW

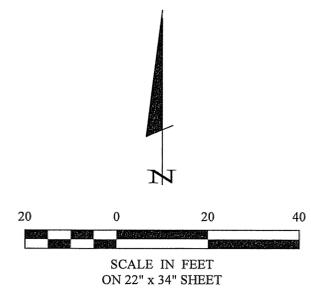
### GULL LAKE

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 = 1194.07 ON 5-25-2021  
BASED ON NGVD 29 DATUM  
INFORMATION OBTAINED FROM MNDNR

### LEGEND

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING PAVING STONES
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES SPOT ELEVATION (EXISTING GRADE)
- DENOTES WET LAND(S)
- DENOTES EXISTING CONIFEROUS TREE, TYPE & SIZE
- DENOTES EXISTING DECIDUOUS TREE, TYPE, & SIZE
- DENOTES EXISTING UTILITY POLE W/ GUY WIRE
- DENOTES EXISTING ELECTRIC METER
- DENOTES EXISTING ELECTRIC OUTLET
- DENOTES EXISTING OVERHEAD ELECTRIC CABLE
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- BENCHMARK:**  
HIGH POINT OF WELL  
ELEV. = 1202.62  
BASED ON NGVD 29 DATUM
- DENOTES MONUMENT FOUND

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF PINE HARBOR.



### 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 5-25-2021.
- Zoning for subject tract = "R-2 Medium Density".
- Wetland delineation was completed on 5-14-2021, by Ben Meister, Meister Environmental, LLC. MN Certified Wetland Delineator #1031.
- Parcel ID of subject parcel: 90-457-0120.
- The E911 address of subject parcel: 9172 Pebble Beach Road.
- Approximate location of septic system per sketch prepared by Martin Joyce, Martin Joyce Septic Service, LLC.

30206 Rammsen Road  
Suite 1  
P. O. Box 874  
Pequot Lakes, MN 56672  
218-566-4940  
www.stonemarksurvey.com

CERTIFICATE OF SURVEY  
Structures International  
24530 Hezelwood Drive  
Nisswa, MN 56468

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

PROJECT No.:  
21129  
FILE NAME:  
C21129.dwg  
FIELD BOOK:  
BOOK 458 PG. 60

DATE:  
6-21-2021  
SCALE:  
1"=20'  
HORZ.  
VERT. NONE

REVISIONS  
DATE DESCRIPTION

BY

DATE

DATE: 6-21-2021  
LIC. NO. 44881

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

Cynthia M. Hilde  
CYNTHIA M. HILDE FLS#44881