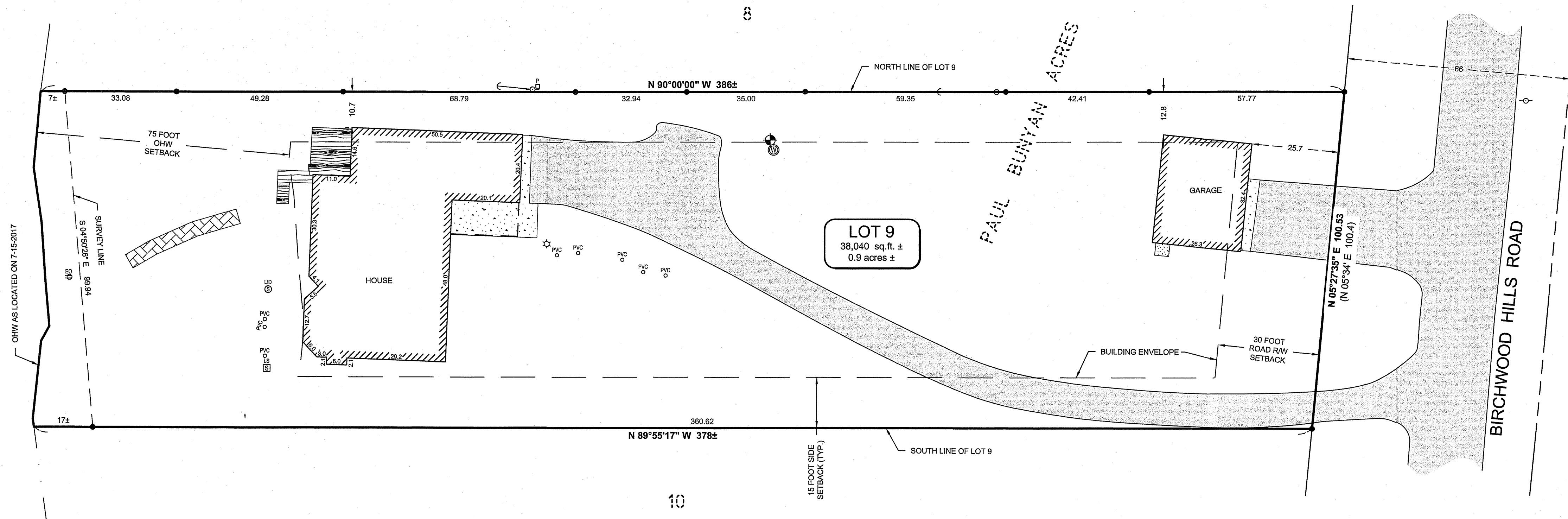


CERTIFICATE OF SURVEY

LOT 9, PAUL BUNYAN ACRES,
SECTION 21, TOWNSHIP 135 NORTH, RANGE 29 WEST
CASS COUNTY, MINNESOTA



LEGEND

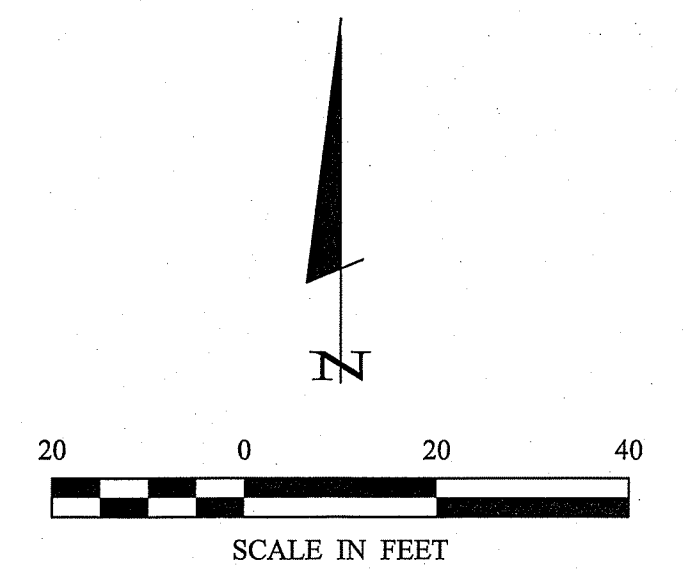
- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING PAVING STONES
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES EXISTING MOUNTED LIGHT
- DENOTES EXISTING UTILITY POLE W/ GUY WIRE
- DENOTES EXISTING ELECTRIC OUTLET
- DENOTES EXISTING PHONE PEDESTAL & 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. = 1221.54
- (123.45) DENOTES PLAT AND/OR DEEDED MEASURE
- DENOTES MONUMENT FOUND

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH LINE OF LOT 9 TO HAVE AN ASSIGNED BEARING OF N 90°00'00" W.

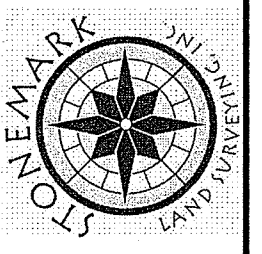
GULL LAKE
GENERAL DEVELOPMENT CLASSIFICATION
NORMAL RESERVOIR POOL ELEVATION = 1194.00
HIGHEST KNOWN ELEVATION = 1195.44
BENCHMARK: CORPUS OF ENGINEERS GAUGE AT GULL LAKE DAM 0.00 GAUGE = 1188.14 ELEVATION
LAKE ELEVATION = 1194.06 ON 6-15-2017

IMPERVIOUS CALCULATIONS			
EXISTING	IMPERVIOUS AREA (sq. ft.)	Net Area (sq. ft.)	Percent Impervious (sq. ft.)
House	3,098	38,040	8.1%
Garage	850	38,040	2.2%
Concrete & Pavers	580	38,040	1.5%
Bituminous	3,899	38,040	10.2%
Decks	227	38,040	0.6%
Total	8,634	38,040	22.7%

- NOTES:**
- Zoning for subject tract = "Residential-Medium Density (R-2)".
 - There are no bluffs or wet lands within surveyed property.
 - Parcel ID of subject parcel: 90-440-0090.
 - The property address of subject parcel: 8587 Birchwood Hills Road.



30176 Old Highway #371
Suite 2
P. O. Box 874
Pequot Lakes, MN 56472
218-568-4940
www.stonematsurvey.com



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.
Patrick A. Treutler
PATRICK A. TREUTLER, PLS#1002
DATE: 7-14-2015

REVISIONS	DATE	DESCRIPTION

DATE: 7-14-2015
SCALE: 1"=20'
HORZ. VERT. NONE

PROJECT NO.: 17193
FILE NAME: C17193.dwg
FIELD BOOK: BOOK 442 PG. 23

PROJECT MANAGER: PAT
CHECKED BY: PAT
DRAWN BY: PAT / RJF

CERTIFICATE OF SURVEY
SHEET
1 of 1
Craig Robinson
8587 Birchwood Hills
Lakeshore, MN 56468