

# CERTIFICATE OF SURVEY

LOT 3, BLOCK ONE, CEDAR BEACH  
SECTION 9, TOWNSHIP 140 NORTH, RANGE 26 WEST,  
CASS COUNTY, MINNESOTA

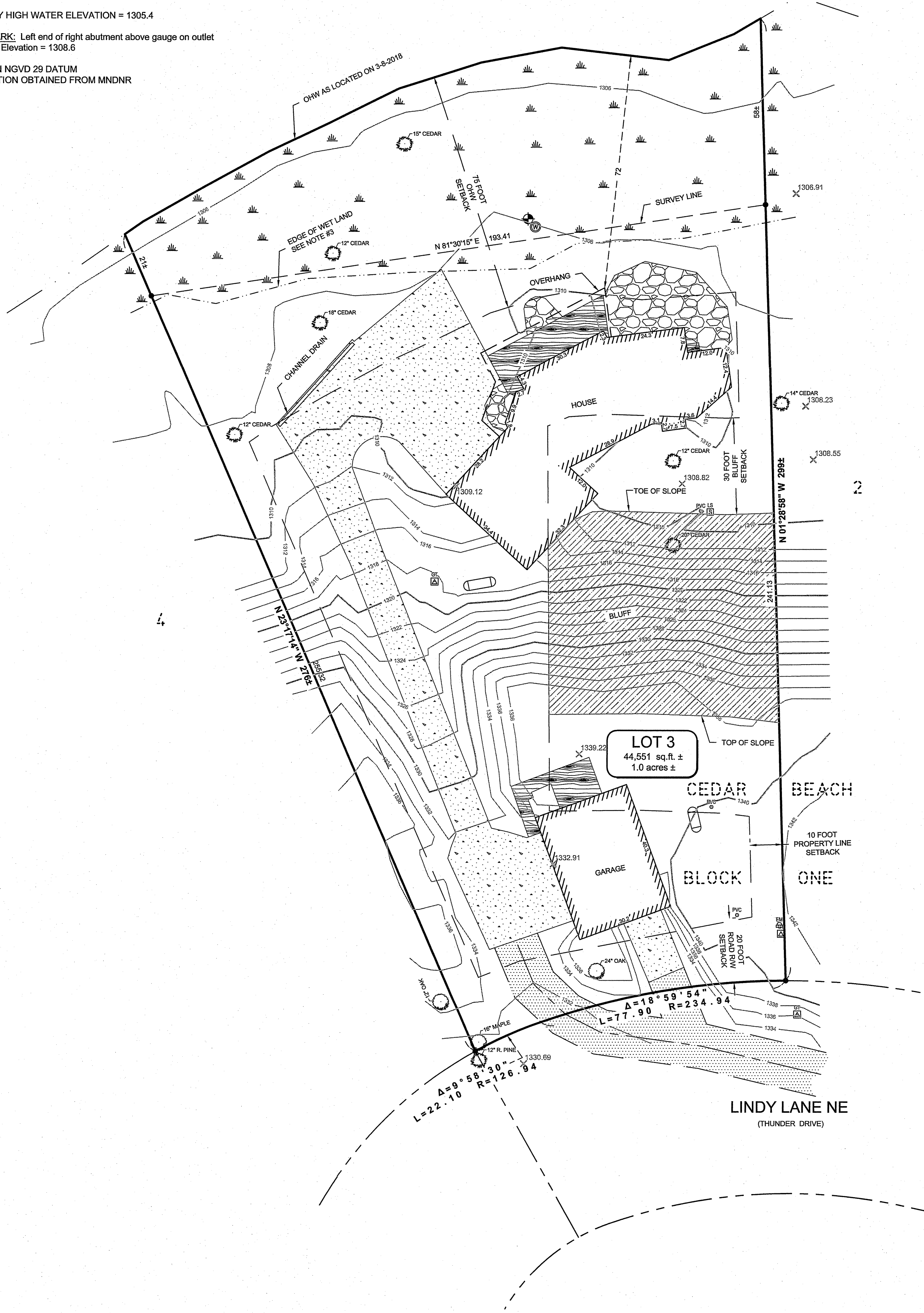
## THUNDER LAKE

GENERAL DEVELOPMENT CLASSIFICATION  
LAKE ELEVATION = 1304.95 ON 3-8-2018

ORDINARY HIGH WATER ELEVATION = 1305.4

BENCHMARK: Left end of right abutment above gauge on outlet dam. Elevation = 1308.6

BASED ON NGVD 29 DATUM  
INFORMATION OBTAINED FROM MNDNR



### LEGEND

- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF FLAGSTONE
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES BLUFF AREA
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES SPOT ELEVATION (EXISTING GRADE)
- DENOTES WET LAND(S)
- DENOTES EXISTING ELECTRIC METER
- DENOTES EXISTING GROUND TRANSFORMER
- DENOTES EXISTING LP TANK
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- BENCHMARK: HIGH POINT OF WELL ELEV. = 1310.18
- DENOTES MONUMENT FOUND

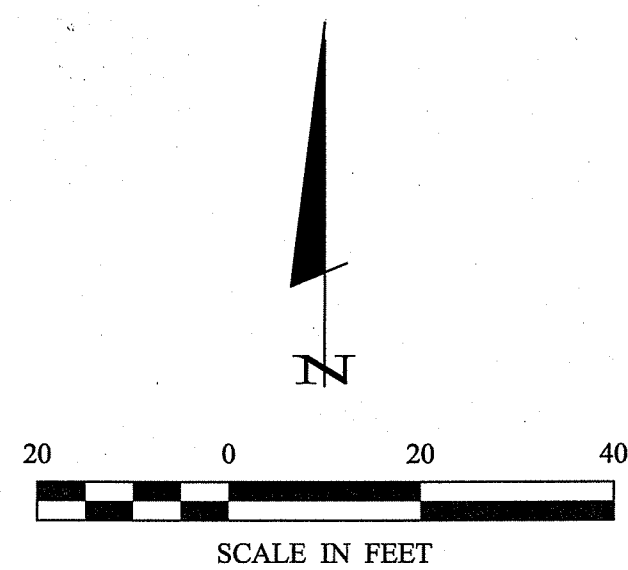
ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF CEDAR BEACH.

### NOTES:

1. Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown have been obtained using standard survey topographic methodologies. Field located on 3-8-2018.
2. Zoning for subject tract = "Shoreland Residential".
3. Wet land could not be determined due to snow cover. Wet land shown per SKETCH PLAN, signed by Willis A. Hoyt on October 19, 2009 - Landecker & Associates, Inc. file # 091212.
4. Parcel ID of subject parcel: 42-384-0130.
5. The property address of subject parcel: 5676 Lindy Lane NE.
6. There was a snow depth of 12"± when survey crew collected topographic data. Therefore, some physical features covered by snow may not have been identified. Only visible topographic features, improvements, and utilities were located. Site verification in spring when the snow cover is gone is recommended.

### IMPERVIOUS CALCULATIONS

EXISTING	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
House and Overhang	3,562	44,551	8.0%
Garage	1,216	44,551	2.7%
Garage Deck	261	44,551	0.6%
Concrete & Flagstone	5,464	44,551	12.2%
Gravel	457	44,551	1.0%
<b>Total</b>	<b>10,950</b>	<b>44,551</b>	<b>24.6%</b>



1 of 1 SHEET	CERTIFICATE OF SURVEY Mortensen Property Paul Maki Nor-Son, Inc. 7900 Hastings Road Baxter, MN 56425	PROJECT MANAGER: CMH	PROJECT No.: 18048	DATE: 3-16-2018	REVISIONS DESCRIPTION	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.  CYNTHIA M. HILDE PLS#44881 DATE: 3/16/18 LIC. NO. 44881	 30206 Rasmussen Road Suite 1 Pequot Lakes, MN 56472 218-568-4940 www.stonemarksurvey.com
	CHECKED BY: CMH	FILE NAME: C18048.dwg	SCALE: HORIZ. 1"=20'	DATE	BY		
	DRAWN BY: RJF	FIELD BOOK: BOOK 445 PG. 38	VERT. NONE				