

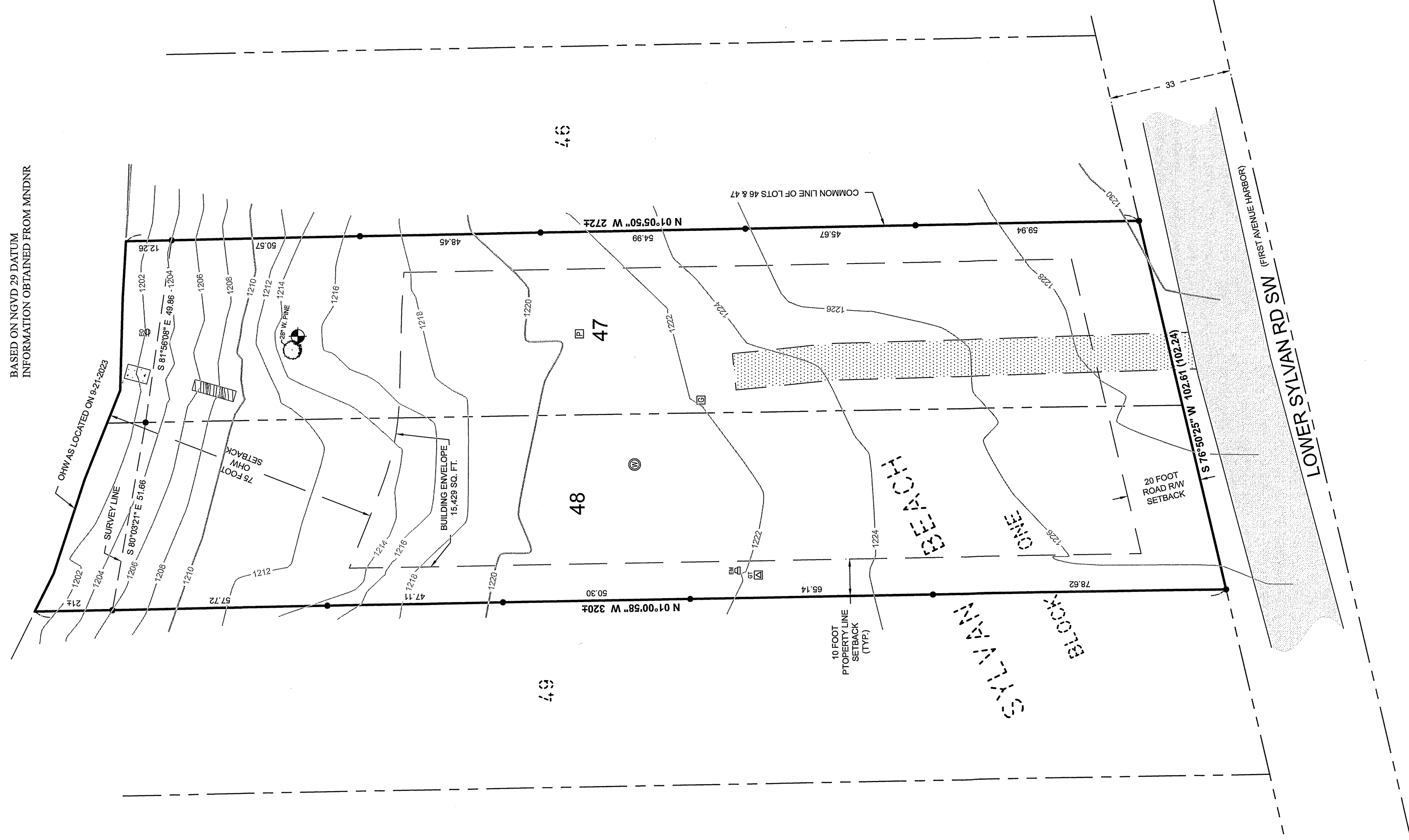
# CERTIFICATE OF SURVEY

LOTS 47 & 48, BLOCK ONE, SYLVAN BEACH,  
SECTION 11, TOWNSHIP 133 NORTH, RANGE 30 WEST,  
CASS COUNTY, MINNESOTA  
AREA = 29,192 SQ. FT. ± / 0.7 ACRES ±

**SYLVAN LAKE**  
GENERAL DEVELOPMENT CLASSIFICATION  
LAKE ELEVATION = 1198.97 ON 9-21-2023  
ORDINARY HIGH WATER ELEVATION = 1199.8

**BENCHMARK:** Horizontal 3/8" x 8" spike 1.2' above ground in the NE side of the same 1.9' red oak described as BM LETTER A, 50' from water's edge; approximately 100' West of concrete outlet dam (south outlet), 24' east of driveway and 45' NE of NE corner of private cabin at Fire # H2853 (likely 12475 Lower Sylvan Rd SW, Pillager), new spike set directly above the old chopped out railroad spike B.M. elev 1201.82 for a 10/25/1995 elevation = 1201.98. However, a 1/4/2012 elevation unitizing GPS/RTK/VRS survey methods = 1202.99.

BASED ON NGVD 29 DATUM  
INFORMATION OBTAINED FROM MNDNR

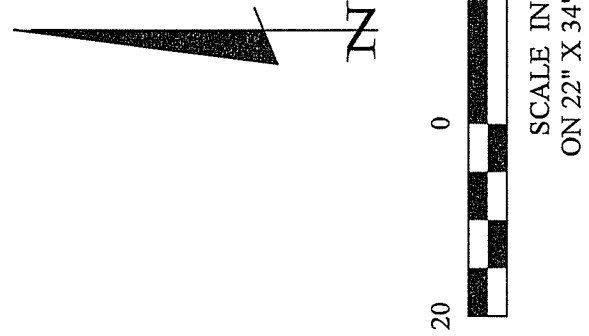


## LEGEND

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES EXISTING ELECTRIC METER
- DENOTES EXISTING GROUND TRANSFORMER
- DENOTES EXISTING ELECTRIC OUTLET
- DENOTES EXISTING PHONE PEDISTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES UNDERGROUND GAS MARKER
- BENCHMARK:** 3/8" x 8" SPIKE IN EAST FACE OF A 2" x 2" WHITE PINE
- ELEV. = 1216.83 BASED ON NGVD 29 DATUM
- DENOTES PLAT AND/OR DEEDED MEASURE (123.45)
- DENOTES MONUMENT FOUND

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE COMMON LINE OF LOTS 46 & 47 TO HAVE AN ASSUMED BEARING OF N 01°05'50" W.

EXISTING	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft)
Gravel	1,170	29,192	4.0%
Deck	35	29,192	0.1%
Concrete	25	29,192	0.1%
<b>Total</b>	<b>1,230</b>	<b>29,192</b>	<b>4.2%</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 9-21-2023.
  - Zoning for subject tract = "Shoreland Residential".
  - There are no bluffs within surveyed property.
  - Parcel ID of subject parcel: 41-498-0140.
  - The E911 address of subject parcel: 12529 Lower Sylvan Rd SW.
  - Setbacks as shown can be subject to interpretation. Verification of setbacks by the governing body is advised prior to building.

CERTIFICATE OF SURVEY Craig Twinnem 2716 Sylvan Lane SW Pillager, MN 56475	PROJECT MANAGER: CMH	PROJECT NO.: 23177	DATE: 10-26-2023	REVISIONS DESCRIPTION DATE	BY
	CHECKED: CMH	FILE NAME: C23177.dwg	SCALE: HORZ. 1"=20' VERT. NONE	DATE	BY
DRAWN BY: RJF	FIELD BOOK: BOOK	FIELD NO.: PG.	VERT. NONE	DATE	BY

I HEREBY CERTIFY THAT THIS SURVEY PLAN, SPECIFICATION, OR STATEMENT OF WORKS WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

Signature: *Cynthia M. Hidde*  
 CYNTHIA M. HIDDE PLSM4481  
 DATE: 10/26/2023 LIC. NO. 4481

30206 Rasmussen Road  
 Suite 1  
 P. O. Box 874  
 Pequot Lakes, MN 56472  
 218-568-0940  
 www.stonemarksurvey.com