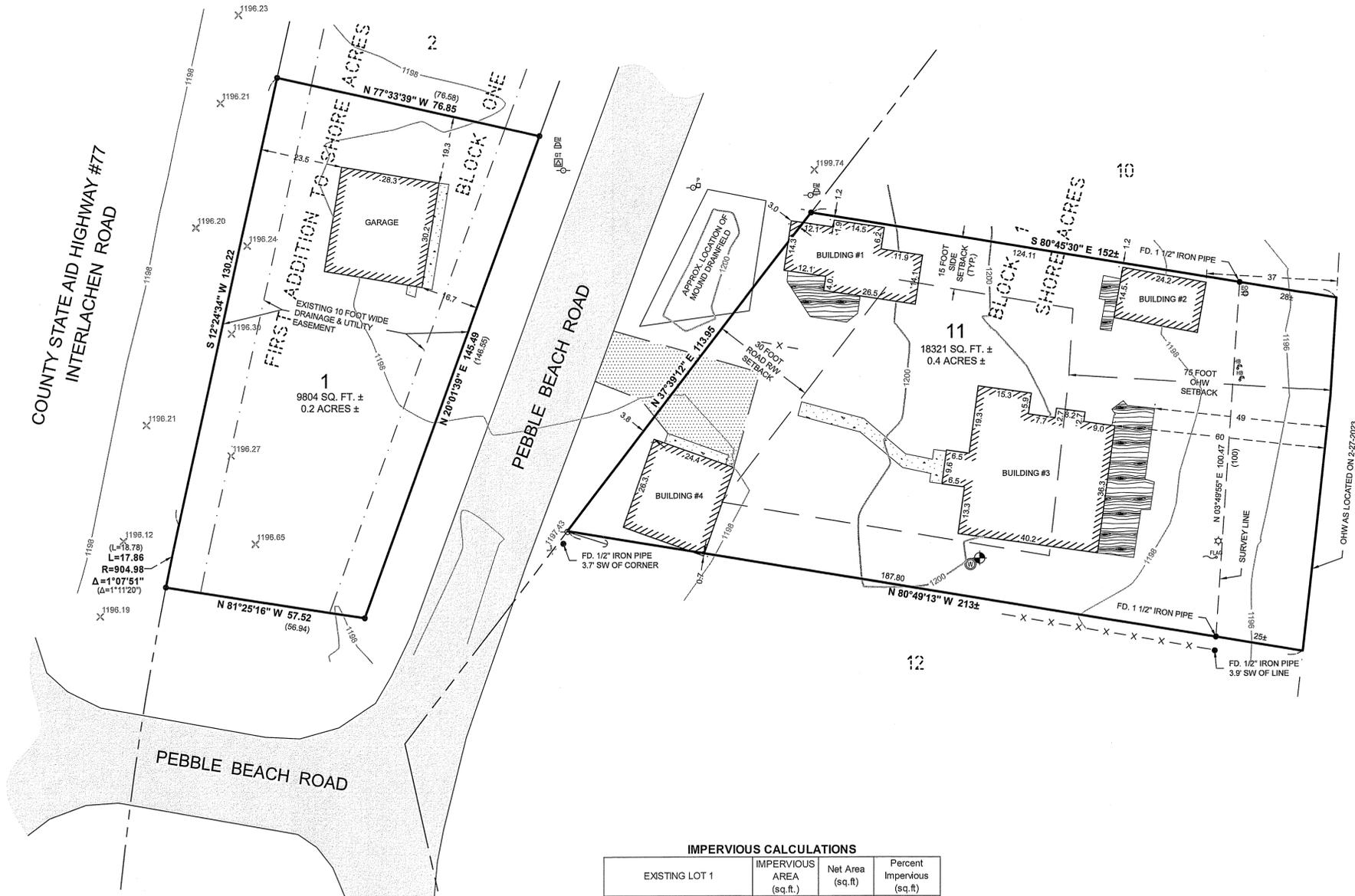


CERTIFICATE OF SURVEY

**LOT 11, BLOCK 1, SHORE ACRES AND
LOT 1, BLOCK ONE, FIRST ADDITION TO SHORE ACRES,
SECTION 29, TOWNSHIP 135 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA**



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 = 1193.45 ON 2-27-2023
 BASED ON NGVD 29 DATUM

- LEGEND**
- DENOTES EXISTING FLAGPOLE
 - DENOTES EXISTING FENCE LINE
 - 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 SPOT ELEVATION (EXISTING GRADE)
 - DENOTES EXISTING MOUNTED LIGHT
 - DENOTES EXISTING UTILITY POLE W/ GUY WIRE
 - DENOTES EXISTING ELECTRIC METER
 - DENOTES EXISTING GROUND TRANSFORMER
 - DENOTES EXISTING ELECTRIC OUTLET
 - DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
 - DENOTES EXISTING WELL
 - DENOTES EXISTING HOSE BIB
 - BENCHMARK:** HIGH POINT OF WELL
ELEV. = 1201.22
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 10 & 11 TO HAVE AN ASSUMED BEARING OF S 80°45'30" E.

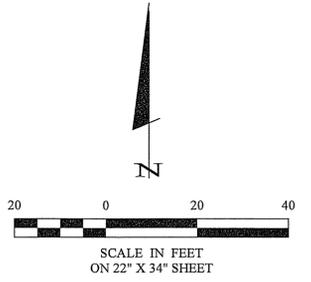
IMPERVIOUS CALCULATIONS

EXISTING LOT 1	IMPERVIOUS AREA (sq. ft.)	Net Area (sq. ft.)	Percent Impervious (sq. ft.)
Garage	856	9,804	8.7%
Concrete	96	9,804	1.0%
Total	952	9,804	9.7%

IMPERVIOUS CALCULATIONS

EXISTING LOT 11	IMPERVIOUS AREA (sq. ft.)	Net Area (sq. ft.)	Percent Impervious (sq. ft.)
Building #1	635	18,321	3.5%
Building #2	350	18,321	1.9%
Building #3	1,634	18,321	8.9%
Building #4	642	18,321	3.5%
Decks	711	18,321	3.9%
Concrete	247	18,321	1.3%
Gravel	538	18,321	2.9%
Total	4,757	18,321	26.0%

- 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 2-27-2023.
 - Zoning for subject tract = "Residential - Medium Density (R-2)".
 - There are no bluffs within surveyed property.
 - Parcel ID of subject parcel: 90-449-0160.
 - The E911 address of subject parcel: 9078 Pebble Beach Road.
 - There was a snow depth of 3 feet 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.
 - After applying the city setbacks per ordinance, there is no building envelope on Lot 1, Block One, FIRST ADDITION TO SHORE ACRES.
 - Setbacks as shown can be subject to interpretation. Verification of setbacks by the governing body is advised prior to building.



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 P. O. Box 874
 Pequot Lakes, MN 56472
 218-568-4940
 www.stonemarksurvey.com



I HEREBY CERTIFY THAT THIS SURVEY PLAN, SPECIFICATION, OR REPORT 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.
 Cynthia M. Hilde
 CYNTHIA M. HILDE PLS#44881
 DATE: 4/6/2023 LIC. NO. 44881

REVISIONS	DATE	DESCRIPTION

PROJECT MANAGER	PROJECT NO.	DATE	REVISIONS
CMH	23018	4-6-2023	
CHECKED BY:	FILE NAME:	SCALE:	HORIZ.:
CMH	C23018.dwg	1"=20'	1"=20'
DRAWN BY:	FIELD BOOK:	VERT.:	NON
RJF			

CERTIFICATE OF SURVEY
 Robert McMenoman
 13727 Rhode Island Ave.
 Savage, MN 55378

Roger Forcella 4/7/2023 3:03 PM - F:\Drawings\2023\23018_McMenoman\C23018.dwg