

CERTIFICATE OF SURVEY

PART OF OUTLOT B AND PART OF OUTLOT C, SHORE ACRES,
SECTION 29, TOWNSHIP 135 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA

TOTAL AREA= 114,776 SQ.FT.±2.6 ACRES±
BUILDABLE AREA= 71,469 SQ.FT./1.6 ACRES

LEGAL DESCRIPTION PER DOCUMENT NUMBER A000567038

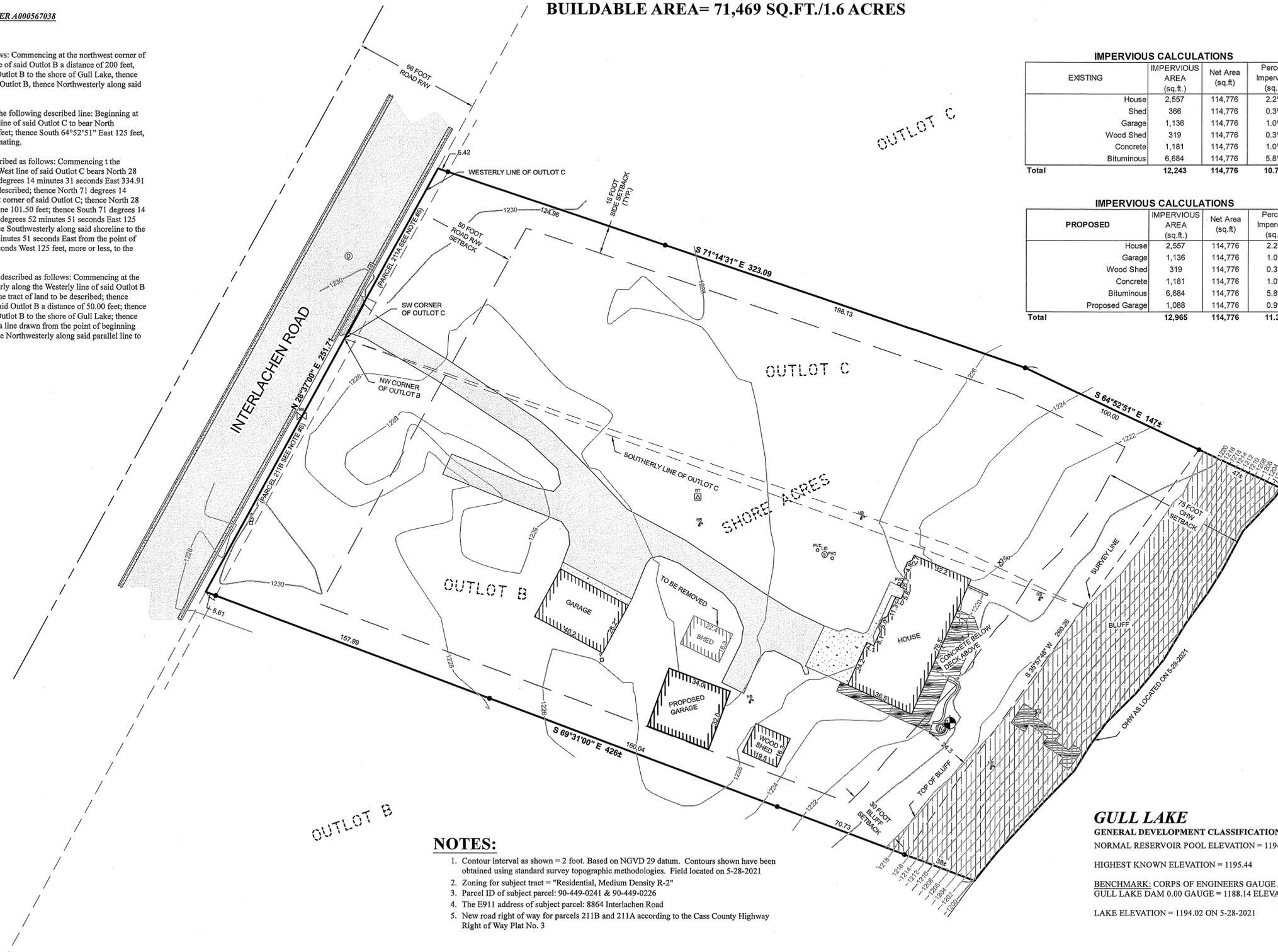
Parcel 3:

That part of Outlot B, Shore Acres, described as follows: Commencing at the northwest corner of said Outlot B, thence southwesterly along the west line of said Outlot B a distance of 200 feet, thence southeasterly parallel to the north line of said Outlot B to the shore of Gull Lake, thence Northeasterly along the shore to the north line of said Outlot B, thence Northwesterly along said line to the place of beginning.

and
All that part of Outlot C, Shore Acres lying South of the following described line: Beginning at the Southwest corner of Outlot C, assuming the West line of said Outlot C to bear North 28°37'00" East; thence South 71°14'31" East 334.91 feet; thence South 64°52'51" East 125 feet, more or less, to the shore of Gull Lake and there terminating.

and
That part of Outlot C, Shore Acres, Cass County, described as follows: Commencing at the Southwest corner of said Outlot C; and assuming the West line of said Outlot C bears North 28 degrees 37 minutes 00 seconds East; thence South 71 degrees 14 minutes 31 seconds East 334.91 feet to the point of beginning of the tract to be herein described; thence North 71 degrees 14 minutes 31 seconds West 334.91 feet to the Southwest corner of said Outlot C; thence North 28 degrees 37 minutes 00 seconds East along said West line 101.50 feet; thence South 71 degrees 14 minutes 31 seconds East 323.09 feet; thence South 64 degrees 52 minutes 51 seconds East 125 feet, more or less, to the shore line of Gull Lake; thence Southwesterly along said shoreline to the intersection with a line bearing South 64 degrees 52 minutes 51 seconds East from the point of beginning; thence North 64 degrees 52 minutes 51 seconds West 125 feet, more or less, to the point of beginning.

LESS
That part of Outlot B, Shore Acres, Cass County, MN described as follows: Commencing at the Northwest corner of said Outlot B; thence Southwesterly along the Westerly line of said Outlot B a distance of 150.00 feet to the point of beginning of the tract of land to be described; thence continuing Southwesterly along the Westerly line of said Outlot B a distance of 50.00 feet; thence Southeasterly parallel with the Northerly line of said Outlot B to the shore of Gull Lake; thence Northeasterly along said shore to an intersection with a line drawn from the point of beginning parallel with the Northerly line of said Outlot B; thence Northwesterly along said parallel line to the point of beginning.



IMPERVIOUS CALCULATIONS

EXISTING	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft)	Percent Impervious (sq.ft)
House	2,557	114,776	2.2%
Shed	366	114,776	0.3%
Garage	1,136	114,776	1.0%
Wood Shed	319	114,776	0.3%
Concrete	1,181	114,776	1.0%
Bituminous	6,684	114,776	5.8%
Total	12,243	114,776	10.7%

IMPERVIOUS CALCULATIONS

PROPOSED	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft)	Percent Impervious (sq.ft)
House	2,557	114,776	2.2%
Garage	1,136	114,776	1.0%
Wood Shed	319	114,776	0.3%
Concrete	1,181	114,776	1.0%
Bituminous	6,684	114,776	5.8%
Proposed Garage	1,088	114,776	0.9%
Total	12,965	114,776	11.3%

LEGEND

- ⊙^{sat} DENOTES EXISTING SATELLITE
- DENOTES EXISTING RETAINING WALL
- ▨ DENOTES EDGE OF EXISTING BITUMINOUS
- ▨ DENOTES EDGE OF EXISTING CONCRETE
- ▨ DENOTES EDGE OF EXISTING WOODEN DECKING
- ▨ DENOTES BLUFF AREA
- 1208 DENOTES EXISTING INTERMEDIATE CONTOURS
- 1210 DENOTES EXISTING INDEX CONTOURS
- ☆ DENOTES EXISTING MOUNTED LIGHT
- ⊠ DENOTES EXISTING GROUND TRANSFORMER
- ⊗ DENOTES EXISTING GAS VALVE
- ⊞ DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- ⊙ DENOTES EXISTING WELL
- ⊞ DENOTES EXISTING HOSE BIB
- ⊞ DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- ⊞ DENOTES EXISTING SEPTIC LIFT STATION
- ⊞ DENOTES EXISTING STORM SEWER MANHOLE
- ⊞ DENOTES EXISTING STORM SEWER CATCH BASIN
- ⊙ DENOTES BENCHMARK: HIGH POINT OF WELL. ELEV. = 1223.41
- ⊙ DENOTES NGVD 29 DATUM
- DENOTES MONUMENT FOUND

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF SHORE ACRES

GULL LAKE

GENERAL DEVELOPMENT CLASSIFICATION
NORMAL RESERVOIR POOL ELEVATION = 1194.00

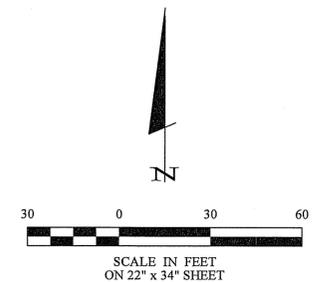
HIGHEST KNOWN ELEVATION = 1195.44

BENCHMARK: CORPS OF ENGINEERS GAUGE AT GULL LAKE DAM 0.00 GAUGE = 1188.14 ELEVATION

LAKE ELEVATION = 1194.02 ON 5-28-2021

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 5-28-2021
- Zoning for subject tract = "Residential, Medium Density R-2"
- Parcel ID of subject parcel: 90-449-0241 & 90-449-0226
- The E911 address of subject parcel: 8864 Interlachen Road
- New road right of way for parcels 211B and 211A according to the Cass County Highway Right of Way Plat No. 3



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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. Hildebrandt
DATE: 6-16-2021 LIC. NO. 44881

REVISIONS	DATE	DESCRIPTION

PROJECT NO.	DATE	SCALE	VERT.
21156	6-16-2021	1"=30'	NONE

PROJECT MANAGER	CHECKED BY	FILE NAME	FIELD BOOK	BOOK	PAGE
CMH	CMH	C21156.dwg	BOOK 457	PG. 63	

CERTIFICATE OF SURVEY
CHARLES JOHNSON
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LAKESHORE, MN 56468-8427