

CERTIFICATE OF SURVEY

**LOTS 4-6, LIKENS NORTH SHORE BEACH,
SECTION 26, TOWNSHIP 141 NORTH, RANGE 28 WEST,
CASS COUNTY, MINNESOTA**

PROPOSED BOUNDARY DESCRIPTIONS:

TRACT A - REMNANT

Lot 4, LIKENS NORTH SHORE BEACH, according to the recorded plat thereof, Cass County, Minnesota, AND
That part of Lot 5, LIKENS NORTH SHORE BEACH, according to the recorded plat thereof, Cass County, Minnesota, lying southwesterly of the following described line: Commencing at the most northerly corner of said Lot 5 and assuming the common line of Lots 5 and 6, said plat bears South 54 degrees 20 minutes 37 seconds East; thence South 44 degrees 51 minutes 00 seconds West along the north line of said Lot 5 for a distance of 30.39 feet to the point of beginning of the line to be herein described; thence South 54 degrees 20 minutes 37 seconds East 242 feet, more or less, to the shoreline of Long Lake and said described line there terminating.

Subject to an ingress and egress easement as recorded in Document No. A000529693.
Also subject to easements, restrictions and reservations of record.

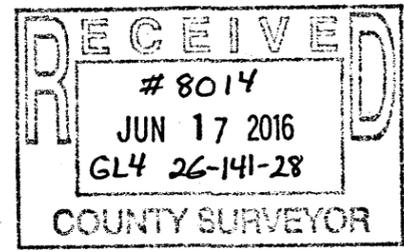
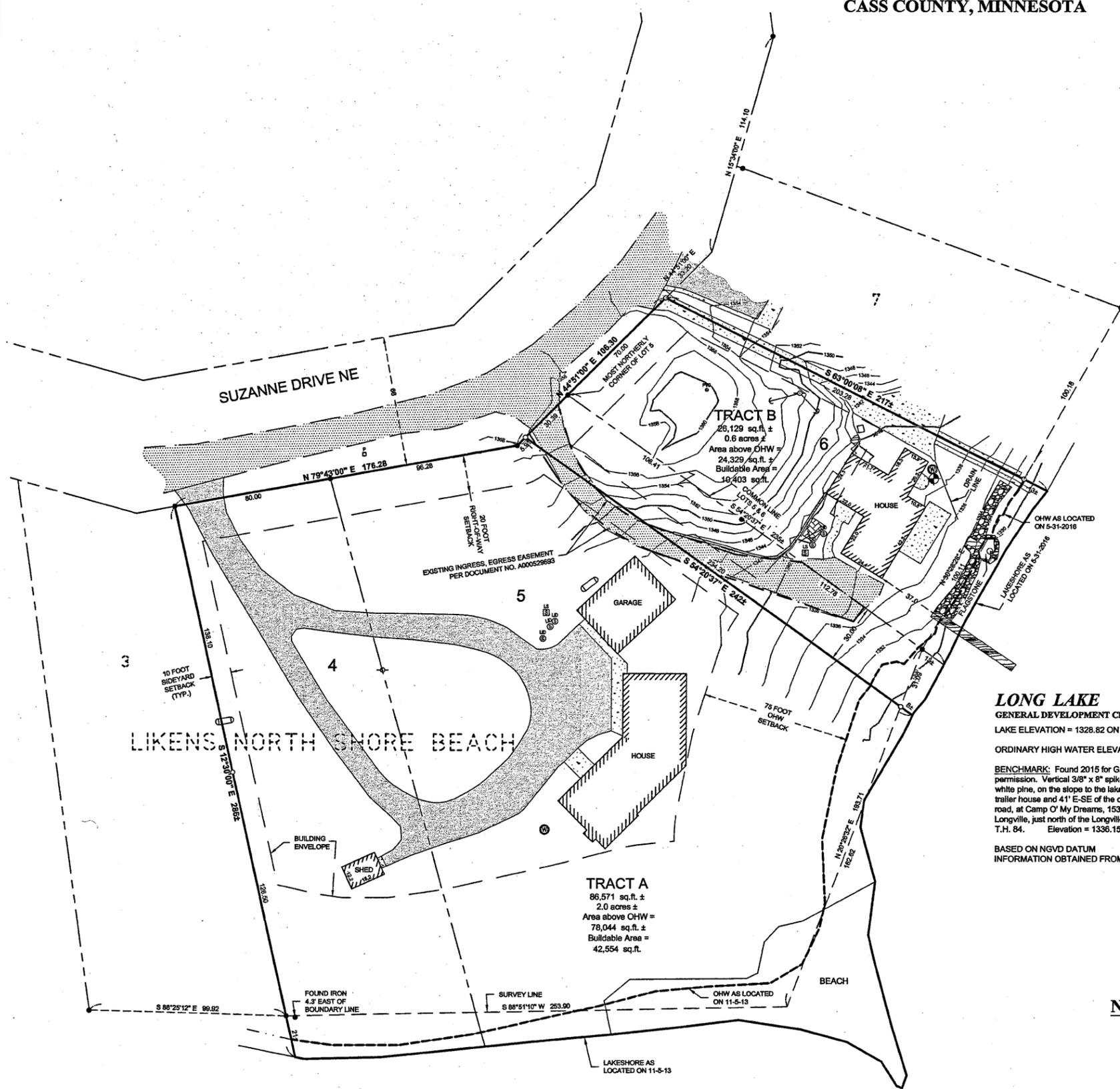
TRACT B

Lot 6, LIKENS NORTH SHORE BEACH, according to the recorded plat thereof, Cass County, Minnesota, AND
That part of Lot 5, LIKENS NORTH SHORE BEACH, according to the recorded plat thereof, Cass County, Minnesota, lying northeasterly of the following described line: Commencing at the most northerly corner of said Lot 5 and assuming the common line of Lots 5 and 6, said plat bears South 54 degrees 20 minutes 37 seconds East; thence South 44 degrees 51 minutes 00 seconds West along the north line of said Lot 5 for a distance of 30.39 feet to the point of beginning of the line to be herein described; thence South 54 degrees 20 minutes 37 seconds East 242 feet, more or less, to the shoreline of Long Lake and said described line there terminating.

Together with an ingress and egress easement as recorded in Document No. A000529693.
Also subject to easements, restrictions and reservations of record.

SALE TRACT

That part of Lot 5, LIKENS NORTH SHORE BEACH, according to the recorded plat thereof, Cass County, Minnesota, lying northeasterly of the following described line: Commencing at the most northerly corner of said Lot 5 and assuming the common line of Lots 5 and 6, said plat bears South 54 degrees 20 minutes 37 seconds East; thence South 44 degrees 51 minutes 00 seconds West along the north line of said Lot 5 for a distance of 30.39 feet to the point of beginning of the line to be herein described; thence South 54 degrees 20 minutes 37 seconds East 242 feet, more or less, to the shoreline of Long Lake and said described line there terminating.



LEGEND

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING CONCRETE
- DENOTES EDGE OF EXISTING PAVING STONES
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES EDGE OF EXISTING RIP-RAP
- DENOTES EXISTING INTERMEDIATE CONTOURS
- DENOTES EXISTING INDEX CONTOURS
- DENOTES EXISTING UTILITY POLE W/ GUY WIRE
- DENOTES EXISTING ELECTRIC METER
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING LP TANK
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- DENOTES BENCHMARK
- DENOTES HIGH POINT OF WELL
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 44881

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE COMMON LINE OF LOTS 5 & 6 TO HAVE AN ASSUMED BEARING OF S 54°20'37" E.

LONG LAKE

GENERAL DEVELOPMENT CLASSIFICATION
LAKE ELEVATION = 1326.82 ON 11-5-13 & 1326.16 ON 5-31-16
ORDINARY HIGH WATER ELEVATION = 1330.8
BENCHMARK: Found 2015 for Gage Run use only with prior permission. Vertical 3/8" x 8" spike in the W-SW root of a 2.3' white pine, on the slope to the lake at the lakeside of a brown trailer house and 41' E-SE of the centerline of the present access road, at Camp O' My Dreams, 1534 Fahrenheit Road NE, Longville, just north of the Longville airport and about 600' east of T.H. 84. Elevation = 1336.15

BASED ON NGVD DATUM
INFORMATION OBTAINED FROM MNDNR

IMPERVIOUS CALCULATIONS

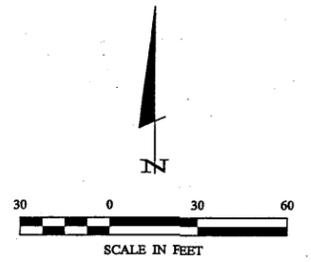
EXISTING - TRACT A	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
House	3,104	78,044	4.0%
Garage	1,210	78,044	1.6%
Shed	222	78,044	0.3%
Concrete	470	78,044	0.6%
Bituminous	8,744	78,044	11.2%
Gravel	884	78,044	1.1%
Total	14,634	78,044	18.8%

IMPERVIOUS CALCULATIONS

EXISTING - TRACT B	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft.)	Percent Impervious (sq.ft.)
House	1,860	24,329	7.6%
Conc, Pavers & Flagstone	1,808	24,329	7.4%
Gravel	2,244	24,329	9.2%
Total	5,912	24,329	24.3%

NOTES:

- Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown on Tract B have been obtained using standard survey topographic methodologies. Field located on 5-31-2016.
- Zoning for subject tract = "Shoreland Residential".
- There are no bluffs or wet lands within surveyed property.
- Parcel ID of subject parcels: 19-439-0041, 19-439-0050 & 19-439-0060.
- The property address of subject parcels: 1563 Suzanne Drive NE & 1575 Suzanne Drive NE



30176 Old Highway #371
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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 W. Hilde
Cynthia W. Hilde, PLS#4881
DATE: 6/17/16

U.S. NO. 44881

CERTIFICATE OF SURVEY

PROJECT No.: 16168 & 16178
FILE NAME: C:\16168.dwg
FIELD BOOK: BOOK 435 PG. 62

DATE: 6-8-2016
SCALE: 1"=50'
HORZ.: NONE
VERT.: NONE

PROJECT MANAGER: CMH
CHECKED BY: CMH
DRAWN BY: DJF

BY: _____
REVISIONS DESCRIPTION: _____
DATE: _____

SHEET

Mike Pelach and Doug Hunt

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