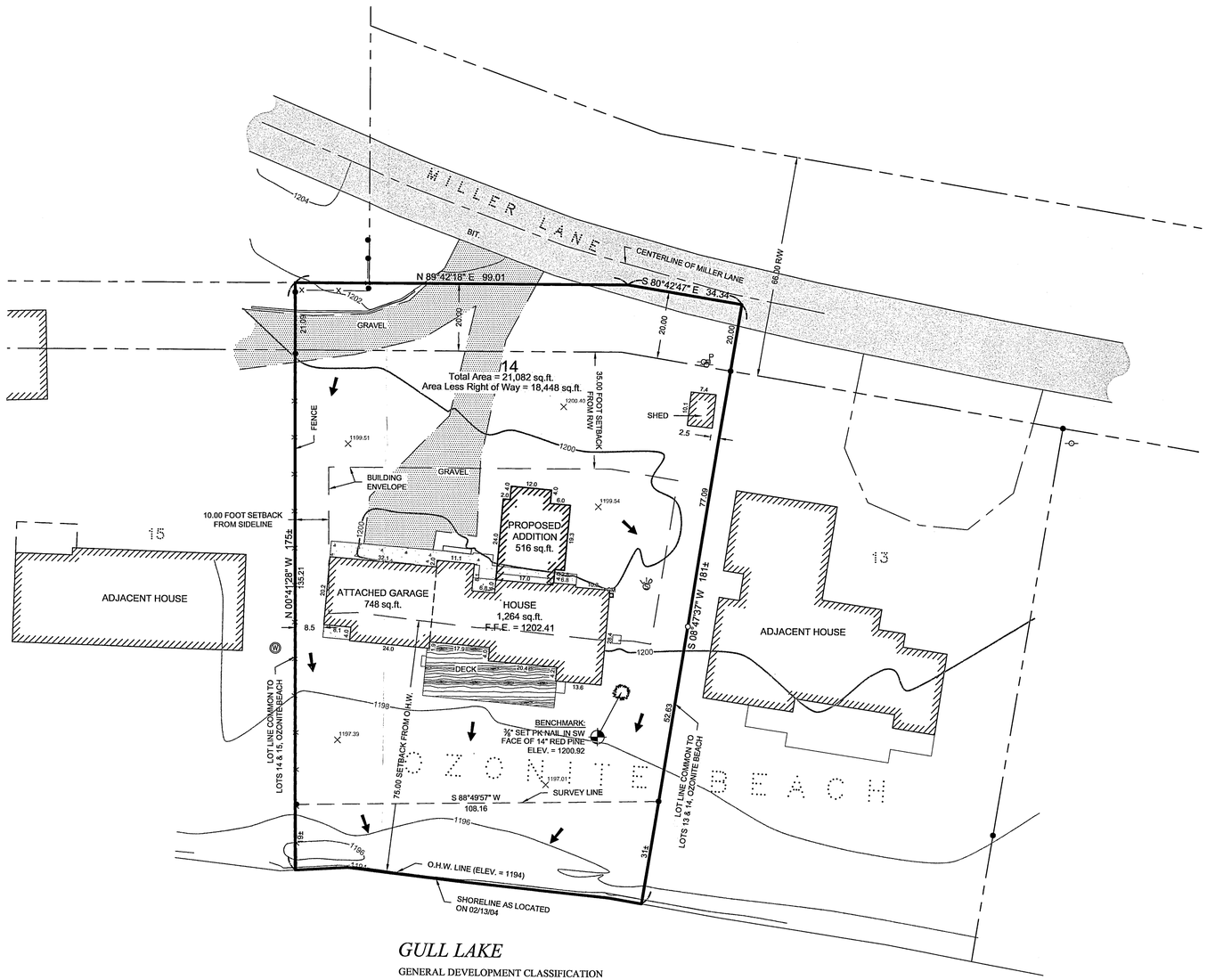
CERTIFICATE OF SURVEY

LOT 14, OZONITE BEACH AND ADJOINING 20 FOOT STRIP,
SECTION 16, 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 = 1193.33, FEBRUARY 13, 2004

NOTES:

1. CONTOUR INTERVAL AS SHOWN = 2 FOOT. BASED ON NGVD 29 DATUM.

2. THERE ARE NO BLUFFS AND/OR WET LANDS ON SURVEYED PROPERTY.

3. THERE WAS A SNOW DEPTH OF 2.5' FEET WHEN TOPOGRAPHIC DATA WAS COLLECTED BY SURVEY CREW, THEREFORE SOME PHYSICAL FEATURES COVERED BY SNOW MAY NOT HAVE BEEN IDENTIFIED. ONLY VISIBLE TOPOGRAPHIC FEATURES, IMPROVEMENTS, AND UTILITIES WERE LOCATED. A SITE VERIFICATION IN THE SPRING WHEN SNOW COVER IS GONE IS RECOMMENDED.

4. EXISTING SURFACE DRAINAGE IS AS SHOWN. NO CHANGE IN SURFACE DRAINAGE IS PROPOSED.

Ozonite Beach
RECEIVED
AUG 27 2004
16-135-29
CASS COUNTY SURVEYOR

IMPERVIOUS CALCULATIONS

EXISTING

LOT 14	Impervious Area (sq.ft.)	Total Net Area (sq.ft.)	Percent Impervious (sq. ft.)
Structures			
House	1,264	18,448	6.9%
Garage (Attached)	748	18,448	4.1%
Shed	75	18,448	0.4%
Deck	560	18,448	3.0%
Gravel			
Driveway	1,245	18,448	6.7%
Other			
Conc. Pad(s)	345	18,448	1.9%
Total	**4,237**	**18,448**	**23.0%**

PROPOSED

LOT 14	Impervious Area (sq.ft.)	Total Net Area (sq.ft.)	Percent Impervious (sq. ft.)
Structures			
House	1,264	18,448	6.9%
Garage (Attached)	748	18,448	4.1%
Shed	75	18,448	0.4%
Deck	560	18,448	3.0%
Addition	516	18,448	2.8%
Gravel			
Driveway	1,245	18,448	6.7%
Pavement			
Driveway		18,448	0.0%
Other			
Conc. Pad	345	18,448	1.9%
Conc. (to be removed)	-36	18,448	-0.2%
Total	**4,717**	**18,448**	**25.6%**

LEGAL DESCRIPTION PROVIDED BY CLIENT

Lot 14, Plat of Ozonite Beach together with a strip of land twenty (20) feet wide north of and adjacent to part of Lot Fourteen (14), subject to reservations, restrictions and easements of record, if any.

LEGEND

- —x——x— DENOTES EXISTING FENCE LINE
- DENOTES EXISTING RETAINING WALL
- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- —1208— DENOTES EXISTING INTERMEDIATE CONTOURS
- —1210— DENOTES EXISTING INDEX CONTOURS
- ×1234.5 DENOTES SPOT ELEVATION (EXISTING GRADE)
- DENOTES SURFACE DRAINAGE FLOW
- DENOTES EXISTING UTILITY POLE W/ GUY WIRE
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, CLEANOUT, AND SEPTIC TANK LID
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 41002
- **BENCHMARK:** ¾" SET PK NAIL IN SW FACE OF 14" RED PINE ELEV. = 1200.92

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE COMMON LOT LINE BETWEEN LOTS 13 & 14, OZONITE BEACH TO HAVE AN ASSUMED BEARING OF S 08°47'37" W.

N

20 0 20 40
SCALE IN FEET

Landecker & Associates, Inc.
Engineering · Surveying · Planning
Pequot Lakes, MN 56472
Phone: 1-888-866-6940
Fax: 218-568-5404

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.

DAVID S. LANDECKER P-LSR17008 LIC. NO. 17008

DATE 8/5/04

REVISIONS		
DATE	DESCRIPTION	BY
8-05-04	20' BOUNDARY REVISION PER LEGAL	DMS

DATE:	02/17/04
SCALE:	HORZ. 1" = 20'
	VERT. NONE
COMPUTER:	C041048.dwg
FIELD BOOK:	BOOK 245 PG. 37
FILE NO:	041048
PROJ. MGR.	KTM
CHECKED BY:	PAT
DRAWN BY:	JWR

CERTIFICATE OF SURVEY

Dennis Denger
P.O. Box 582
Nisswa, MN 56468

SHEET 1 OF 1