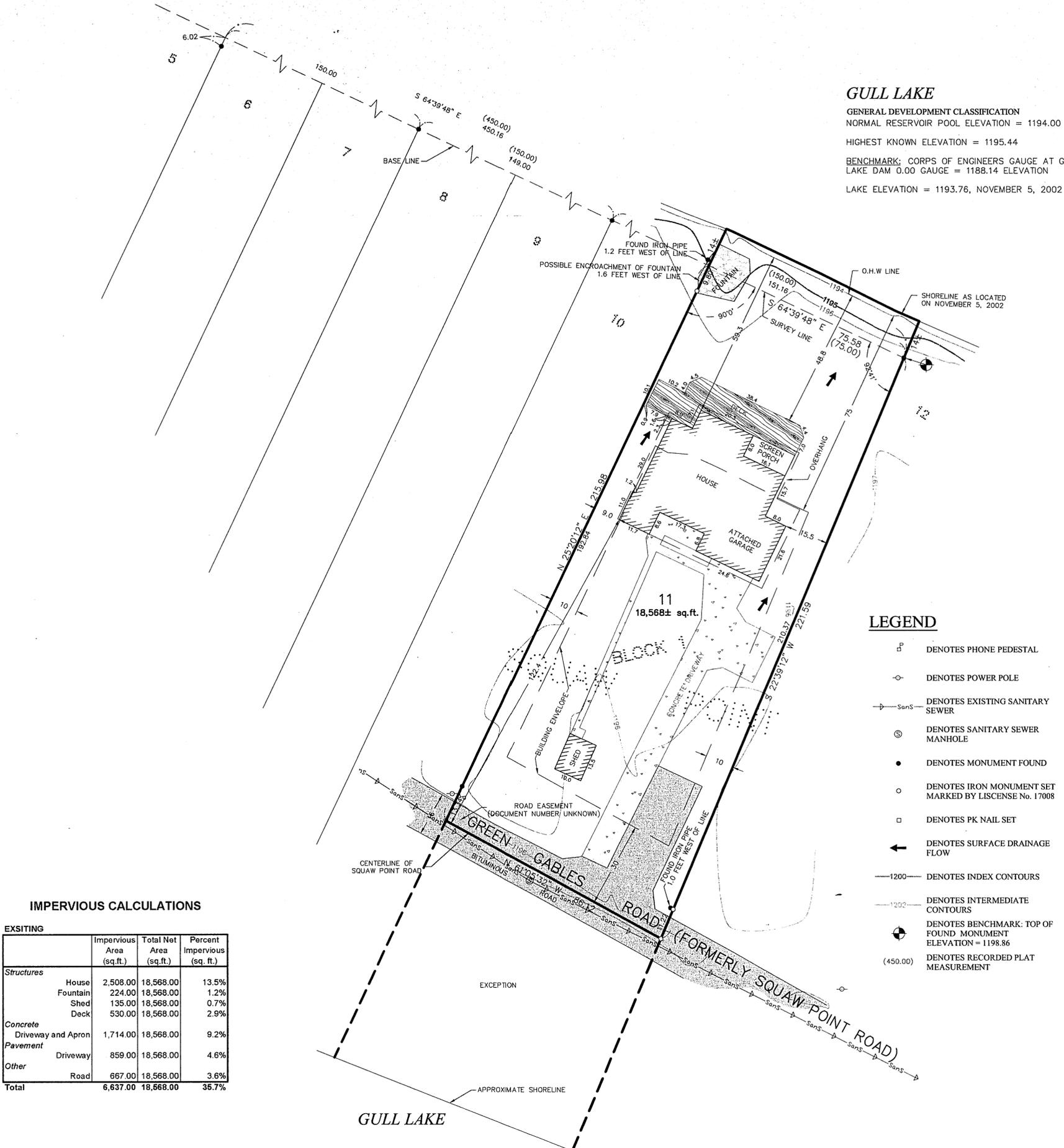


# CERTIFICATE OF SURVEY

PART OF LOT 11, BLOCK 1, SQUAW POINT  
SECTION 17, TOWNSHIP 134 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 = 1193.76, NOVEMBER 5, 2002



### IMPERVIOUS CALCULATIONS

EXISTING			
	Impervious Area (sq. ft.)	Total Net Area (sq. ft.)	Percent Impervious (sq. ft.)
<b>Structures</b>			
House	2,508.00	18,568.00	13.5%
Fountain	224.00	18,568.00	1.2%
Shed	135.00	18,568.00	0.7%
Deck	530.00	18,568.00	2.9%
<b>Concrete</b>			
Driveway and Apron	1,714.00	18,568.00	9.2%
<b>Pavement</b>			
Driveway	859.00	18,568.00	4.6%
<b>Other</b>			
Road	667.00	18,568.00	3.6%
<b>Total</b>	<b>6,637.00</b>	<b>18,568.00</b>	<b>35.7%</b>

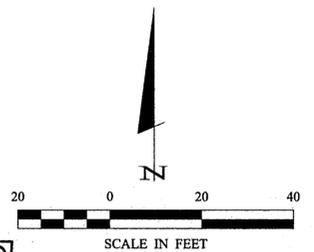
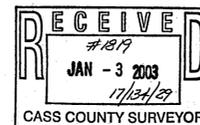
### LEGAL DESCRIPTION PROVIDED BY CLIENT:

Lot 11, Block One (1), Squaw Point, LESS All that part of Lot 11 lying South of Squaw Point Road.

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE COMMON LOT LINE OF LOTS 10 & 11 TO HAVE AN ASSUMED BEARING OF N 25°20'12" E.

### NOTES:

1. CONTOUR INTERVAL AS SHOWN = 1 FOOT. BASED ON NGVD 29 DATUM. PER MN DNR.
2. ZONING FOR SUBJECT TRACT = SHORELINE RESIDENTIAL, MEDIUM DENSITY (R-3).
3. NO WELL WAS LOCATED.
4. NO RESEARCH HAS BEEN DONE FOR WIDTH OF EASEMENT OVER EXISTING ROAD. FURTHER RESEARCH WOULD NEED TO BE DONE TO DETERMINE SAID WIDTH.



1 - 40 I	<b>CERTIFICATE OF SURVEY</b>	PROJ. MGR. KTM	COMPUTER: C021402.dwg	DATE: 11/19/02	REVISIONS DATE DESCRIPTION BY	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.
	Tom Malat 5575 Rosewood Lane N. Plymouth, MN 55442	CHECKED BY: RJF	FIELD BOOK: BOOK 221 PG. 75,76	SCALE: HORZ. 1"=20'		 DAVID S. LANDECKER, PLS # 17008 DATE November 19, 2002 LIC. NO. 17008
		DRAWN BY: JRL	FILE NO.: 021402	VERT. NONE		<b>Landecker &amp; Associates, Inc.</b> Engineering - Surveying - Planning Pequot Lakes, MN 56472 Phone: 1-888-866-4940 Fax: 218-568-5404