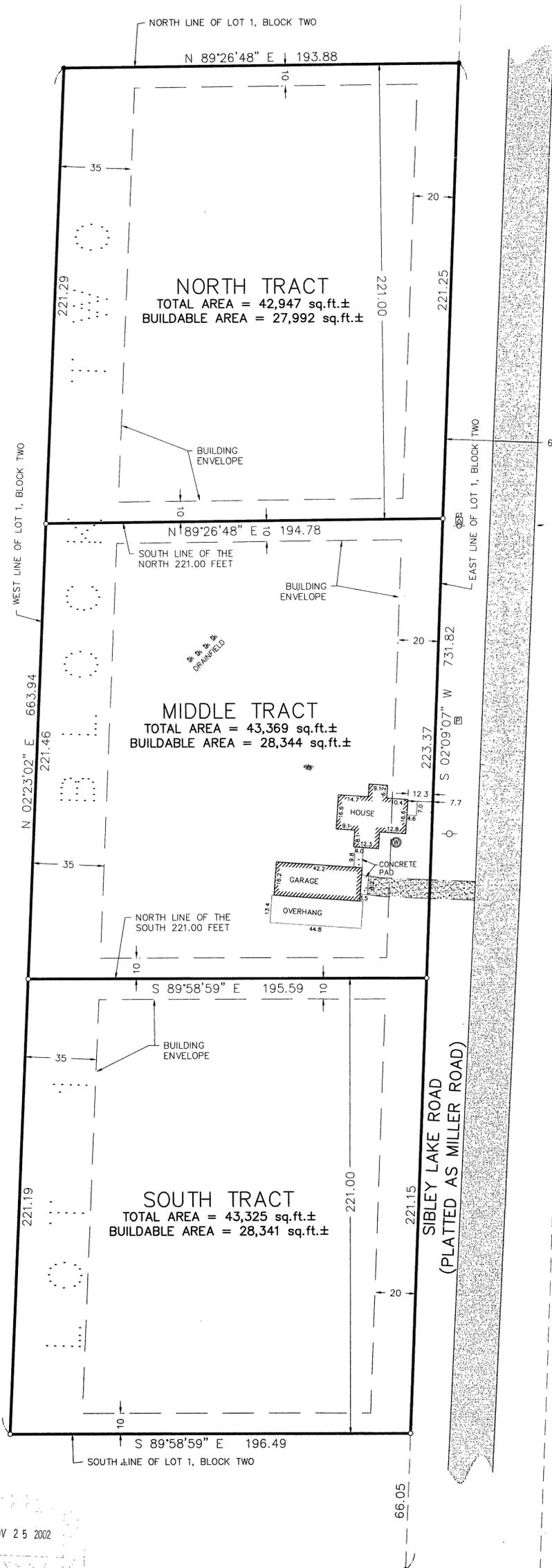


CERTIFICATE OF SURVEY

LOT 1, BLOCK TWO, MILLER SHORES,
SECTION 16, TOWNSHIP 136 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA



PROPOSED LEGAL DESCRIPTIONS

North Tract
The North 221.00 feet of Lot 1, Block Two, MILLER SHORES, according to the recorded plat thereof, Cass County, Minnesota.
Subject to easements, restrictions, and reservations of record.

Middle Tract
That part of Lot 1, Block Two, MILLER SHORES, according to the recorded plat thereof, Cass County, Minnesota; lying North of the South 221.00 feet thereof, and lying South of the North 221.00 feet thereof.
Subject to easements, restrictions, and reservations of record.

South Tract
The South 221.00 feet of Lot 1, Block Two, MILLER SHORES, according to the recorded plat thereof, Cass County, Minnesota.
Subject to easements, restrictions, and reservations of record.

IMPERVIOUS CALCULATIONS

EXISTING			
Middle Tract	Impervious Area (sq. ft.)	Total Net Area (sq. ft.)	Percent Impervious (sq. ft.)
Structures			
House	725.11	43,369.00	1.7%
Garage	683.64	43,369.00	1.6%
Overhang with house	32.20	43,369.00	0.1%
Overhang with garage	600.32	43,369.00	1.4%
Gravel			
Driveway	274.31	43,369.00	0.6%
Other			
Conc. Pad	71.16	43,369.00	0.2%
Total	2,386.74	43,369.00	5.5%

LEGEND

- ☆ DENOTES LIGHT POLE
- ☒ DENOTES PHONE BOX
- ⊞ DENOTES GROUND TRANSFORMER
- ⊖ DENOTES POWER POLE
- ⊕ DENOTES SEPTIC VENT
- ⊗ DENOTES APPROXIMATE LOCATION OF WELL

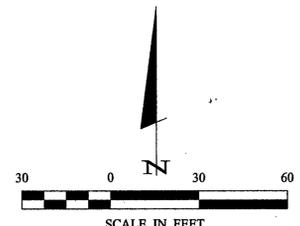
NOTES:

1. ZONING FOR SUBJECT TRACT = "RESIDENTIAL"

2. NO TOPOGRAPHY, OR WET LANDS INFORMATION HAS BEEN SURVEYED OR SHOWN ON THIS CERTIFICATE.

● DENOTES MONUMENT FOUND
○ DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 17008

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE EAST LINE OF LOT 1, BLOCK TWO TO HAVE AN ASSUMED BEARING OF S 02°09'07" W.



NOV 25 2002

1	CERTIFICATE OF SURVEY	PROJ. MGR. KTM	COMPUTER: C021400.dwg	DATE: 11/19/02	REVISIONS DESCRIPTION	BY	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. <i>David S. Landecker</i> David S. Landecker PLS#17008 DATE 11/19/02 LIC. NO. 17008
	Jonathan Kline 5693 Sibley Lake Road SW Pequot Lakes, MN 56472	CHECKED BY: DSL	FIELD BOOK: BOOK 223 PG. 36	SCALE: HORIZ. 1"=30'			
		DRAWN BY: CMH	FILE NO: 021400	VERT. NONE			Landecker & Associates, Inc. Engineering - Surveying - Planning Pequot Lakes, MN 56472 Phone: 1-888-866-4940 Fax: 218-568-5404