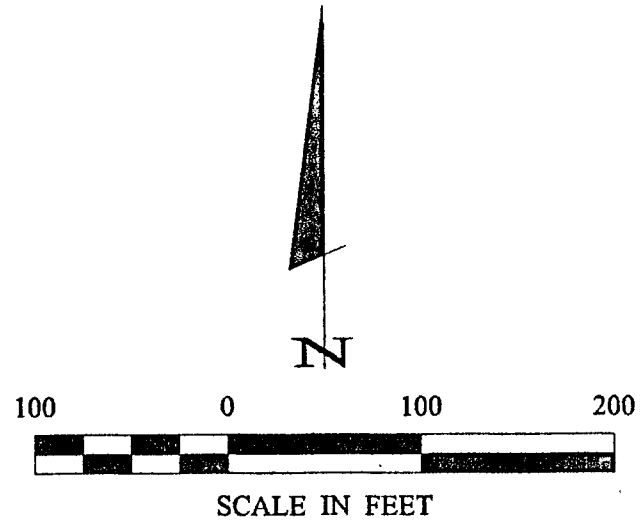
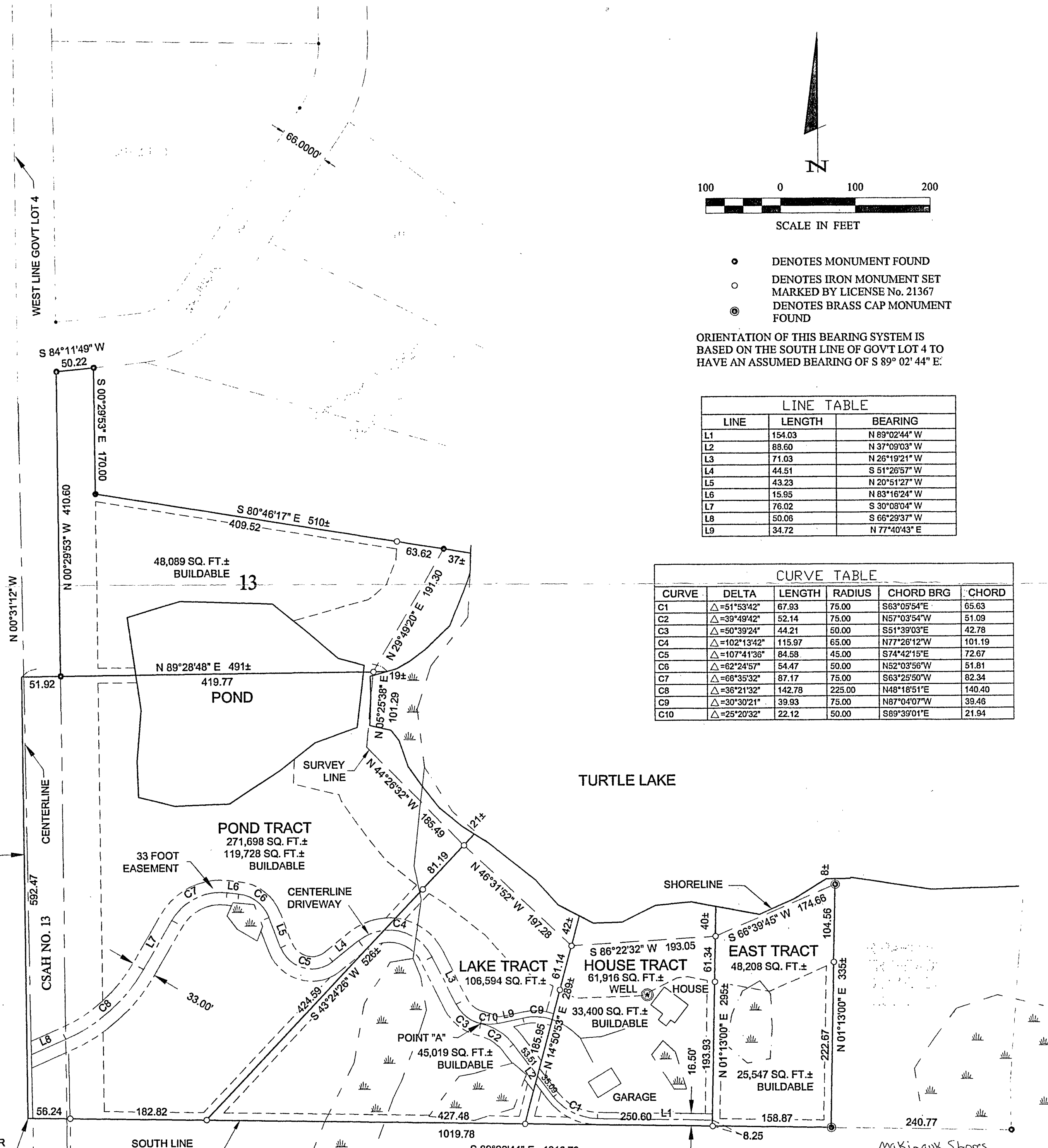


CERTIFICATE OF SURVEY

LOT 13, BLOCK I, MAKINAUK SHORES AND
THE UNPLATTED PORTION OF GOVERNMENT LOT 4,
SECTION 5, TOWNSHIP 141 NORTH, RANGE 30 WEST,
CASS COUNTY, MINNESOTA



- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 21367
- ⊙ DENOTES BRASS CAP MONUMENT FOUND

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE SOUTH LINE OF GOV'T LOT 4 TO HAVE AN ASSUMED BEARING OF S 89° 02' 44" E.

LINE TABLE		
LINE	LENGTH	BEARING
L1	154.03	N 89°02'44" W
L2	88.60	N 37°09'03" W
L3	71.03	N 26°19'21" W
L4	44.51	S 51°26'57" W
L5	43.23	N 20°51'27" W
L6	15.95	N 83°16'24" W
L7	76.02	S 30°08'04" W
L8	50.06	S 66°29'37" W
L9	34.72	N 77°40'43" E

CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD BRG	CHORD
C1	Δ=51°53'42"	67.93	75.00	S63°05'54"E	65.63
C2	Δ=39°49'42"	52.14	75.00	N57°03'54"W	51.09
C3	Δ=50°39'24"	44.21	50.00	S51°39'03"E	42.78
C4	Δ=102°13'42"	115.97	65.00	N77°26'12"W	101.19
C5	Δ=107°41'36"	84.58	45.00	S74°42'15"E	72.67
C6	Δ=62°24'57"	54.47	50.00	N52°03'56"W	51.81
C7	Δ=66°35'32"	87.17	75.00	S63°25'50"W	82.34
C8	Δ=36°21'32"	142.78	225.00	N48°18'51"E	140.40
C9	Δ=30°30'21"	39.93	75.00	N87°04'07"W	39.46
C10	Δ=25°20'32"	22.12	50.00	S89°39'01"E	21.94

Makinauk Shores
RECEIVED
#2480
AUG 31 2004
GL4 5-141-30
COUNTY SURVEYOR

1 of 1	CERTIFICATE OF SURVEY NORTHERN LAKES COMPANY PO BOX 536 WALKER, MN 56484	PROJ. MGR. DRG	COMPUTER: 042095	DATE: 8/18/04	REVISIONS DESCRIPTION	I HEREBY CERTIFY THAT THIS SURVEY, PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA. DAVID S. LANDECKER DATE: 8/18/04 LIC. NO. 17008
	CHECKED BY: DSL DRAWN BY: DRG	FIELD BOOK: BOOK 211 PG. 50 FILE NO: 042095	SCALE: HORZ. 1"=100' VERT. NONE	DATE:	BY:	LANDecker & Associates, Inc. Engineering • Surveying • Planning Walker, MN 56484 Phone 218-547-1296 Fax 218-547-2272