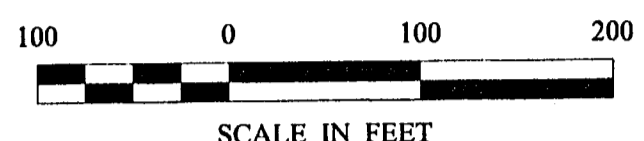
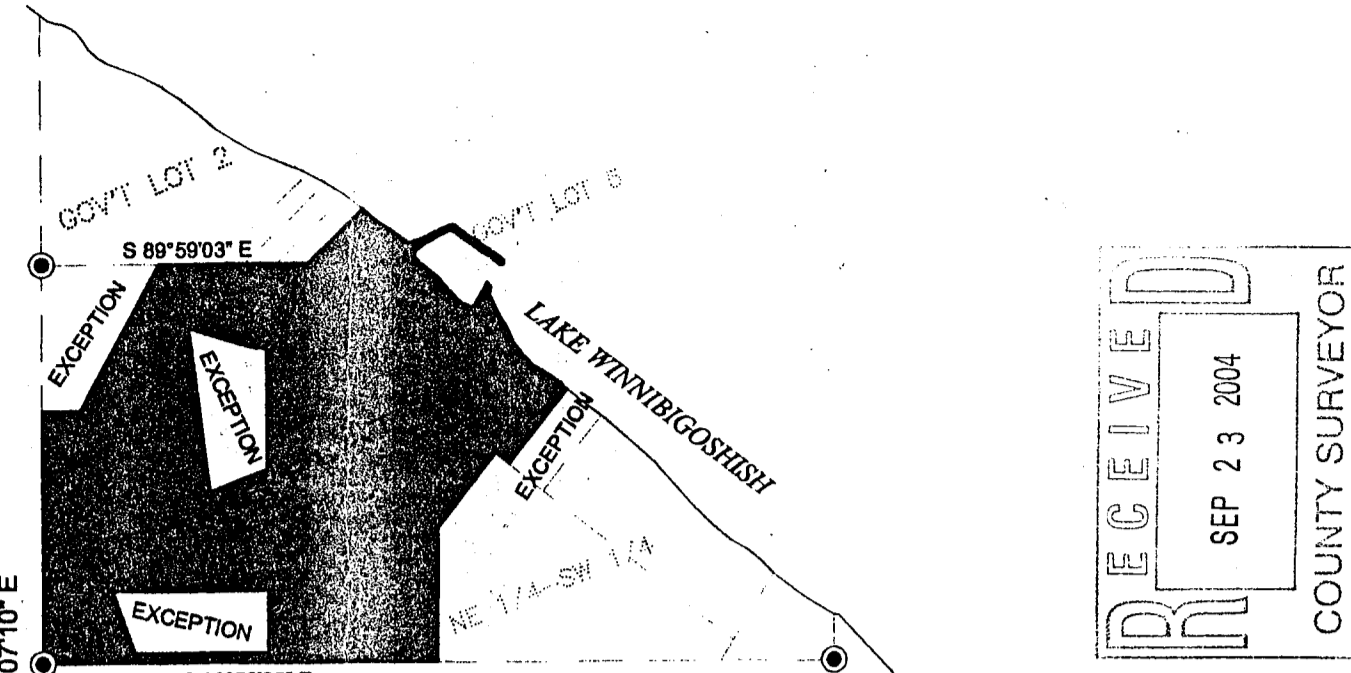
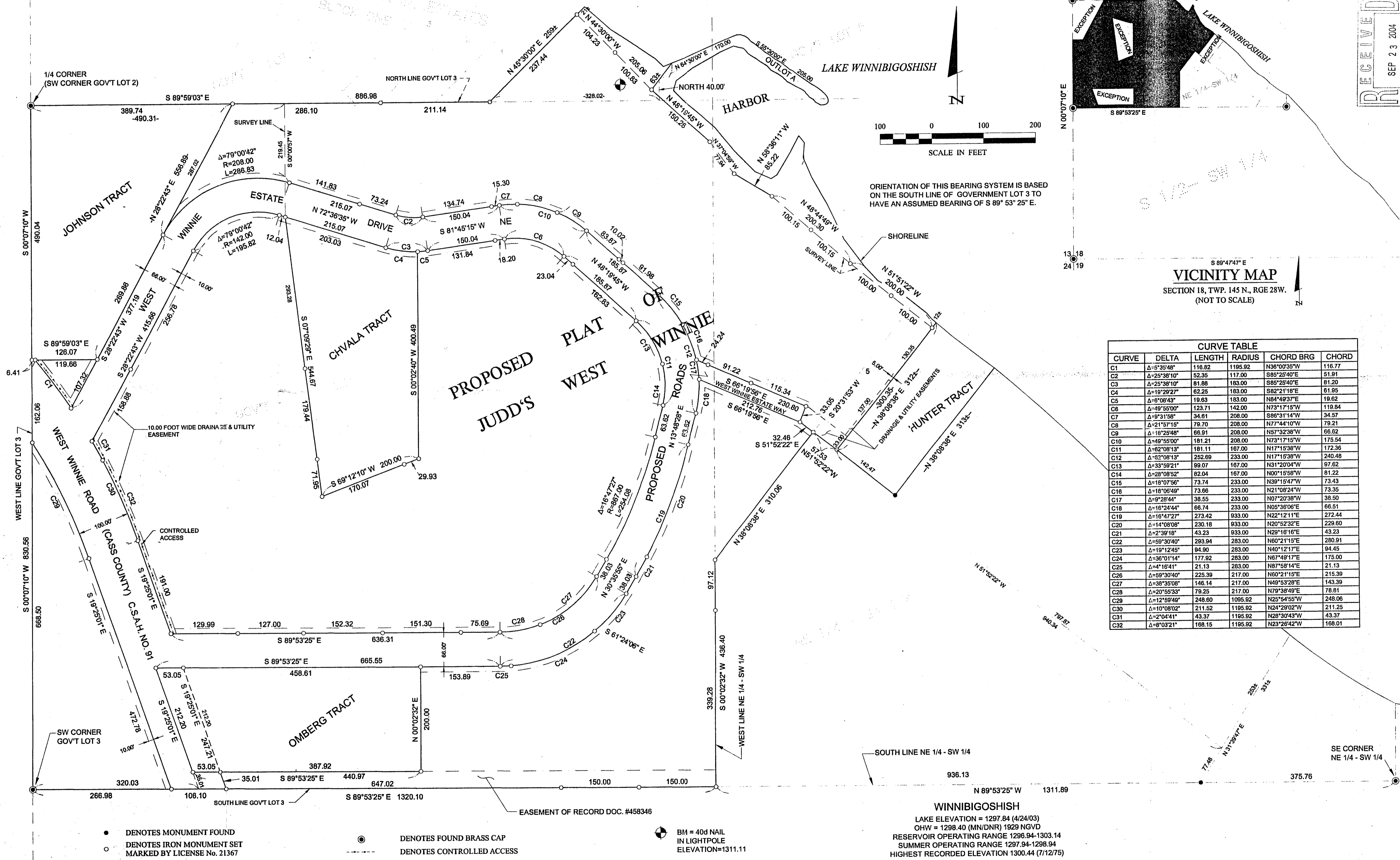


# CERTIFICATE OF SURVEY

PARTS OF GOVERNMENT LOTS 2, 3, AND 5,  
AND PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER,  
SECTION 18, TOWNSHIP 145 NORTH, RANGE 28 WEST,  
CASS COUNTY, MINNESOTA



ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE SOUTH LINE OF GOVERNMENT LOT 3 TO HAVE AN ASSUMED BEARING OF S 89° 53' 25" E.

CURVE	DELTA	LENGTH	RADIUS	CHORD BRG	CHORD
C1	Δ=5°35'48"	116.82	1185.92	N36°00'35"W	116.77
C2	Δ=25°38'10"	52.35	117.00	S85°25'40"E	51.81
C3	Δ=25°38'10"	81.88	183.00	S85°25'40"E	81.20
C4	Δ=19°29'27"	62.25	183.00	S82°21'18"E	61.95
C5	Δ=6°08'43"	19.83	183.00	N84°49'37"E	19.62
C6	Δ=49°55'00"	123.71	142.00	N73°17'15"W	119.84
C7	Δ=9°31'58"	34.61	208.00	S88°31'14"W	34.57
C8	Δ=21°57'15"	78.70	208.00	N77°44'10"W	78.21
C9	Δ=18°25'48"	68.91	208.00	N57°32'38"W	66.62
C10	Δ=49°55'00"	181.21	208.00	N73°17'15"W	175.54
C11	Δ=62°08'13"	181.11	167.00	N17°15'38"W	172.35
C12	Δ=62°08'13"	252.09	233.00	N17°15'38"W	240.48
C13	Δ=33°59'21"	99.07	187.00	N31°20'04"W	97.62
C14	Δ=28°08'52"	82.04	167.00	N00°15'58"W	81.22
C15	Δ=18°07'56"	73.74	233.00	N39°15'47"W	73.43
C16	Δ=18°08'49"	73.66	233.00	N21°08'24"W	73.35
C17	Δ=9°28'44"	38.55	233.00	N07°20'38"W	38.50
C18	Δ=16°24'44"	66.74	233.00	N05°38'06"E	66.51
C19	Δ=16°47'27"	273.42	933.00	N22°12'11"E	272.44
C20	Δ=14°08'09"	230.18	933.00	N20°52'32"E	229.60
C21	Δ=2°39'18"	43.23	933.00	N25°16'10"E	43.23
C22	Δ=59°30'40"	283.94	283.00	N02°11'15"E	280.91
C23	Δ=19°12'45"	94.90	283.00	N40°12'17"E	94.45
C24	Δ=36°01'14"	177.92	283.00	N87°49'17"E	175.00
C25	Δ=4°16'41"	21.13	283.00	N87°58'14"E	21.13
C26	Δ=59°30'40"	225.39	217.00	N60°21'15"E	215.39
C27	Δ=38°35'08"	146.14	217.00	N49°53'28"E	143.39
C28	Δ=20°55'33"	78.25	217.00	N79°38'49"E	78.81
C29	Δ=12°59'49"	248.60	1095.92	N25°54'55"W	248.06
C30	Δ=10°05'02"	211.52	1185.92	N24°29'02"W	211.25
C31	Δ=2°04'41"	43.37	1185.92	N28°32'43"W	43.37
C32	Δ=8°03'21"	168.15	1185.92	N23°29'42"W	168.01

- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 21367
- ⊙ DENOTES FOUND BRASS CAP
- DENOTES CONTROLLED ACCESS
- ⊙ BM = 40d NAIL IN LIGHTPOLE ELEVATION=1311.11

WINNIBIGOSHISH  
LAKE ELEVATION = 1297.84 (4/24/03)  
OHW = 1298.40 (MN/DNR) 1929 NGVD  
RESERVOIR OPERATING RANGE 1298.94-1303.14  
SUMMER OPERATING RANGE 1297.94-1298.94  
HIGHEST RECORDED ELEVATION 1300.44 (7/12/75)

RECEIVED  
SEP 23 2004  
COUNTY SURVEYOR

CERTIFICATE OF SURVEY

D.W. JONES  
P.O. BOX 340  
WALKER, MN 56484

PROJ. MGR. TLF

CHECKED BY: TLF

DRAWN BY: TPC

COMPUTER: 032077

FIELD BOOK: BOOK 195 PC. 34

FILE NO: 032077

DATE: 8/27/04

SCALE: 1" = 100'

HORZ. 1" = 100'

VERT. NONE

REVISIONS

DATE	DESCRIPTION
8/27/04	

BY: JERRY L. FREEMAN

DATE: 8/27/04

LIC. NO. 21367

LANDecker & Associates, Inc.  
Engineering - Surveying - Planning  
Walker, MN 56484  
Phone: 1218-5471296  
Fax: 1218-5472272

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