CERTIFICATE OF SURVEY

19th AVENUE NW and MERIT ROAD NW
SECTION 5, TOWNSHIP 141 NORTH, RANGE 29 WEST,
CASS COUNTY, MINNESOTA

PROPOSED ROAD DESCRIPTIONS

19TH AVENUE NW
19TH AVENUE NW as dedicated in the recorded plat of SOUTH SHORE ESTATES FIRST ADDITION, Cass County, Minnesota.

AND

19TH AVENUE NW as dedicated in the recorded plat of BUENA VISTA ESTATES, Cass County, Minnesota.

MERIT ROAD NW
MERIT ROAD NW as dedicated in the recorded plat of SOUTH SHORE ESTATES FIRST ADDITION, Cass County, Minnesota.

AND

WENDY LANE as dedicated in the recorded plat of LYON'S BLUFF, Cass County, Minnesota.

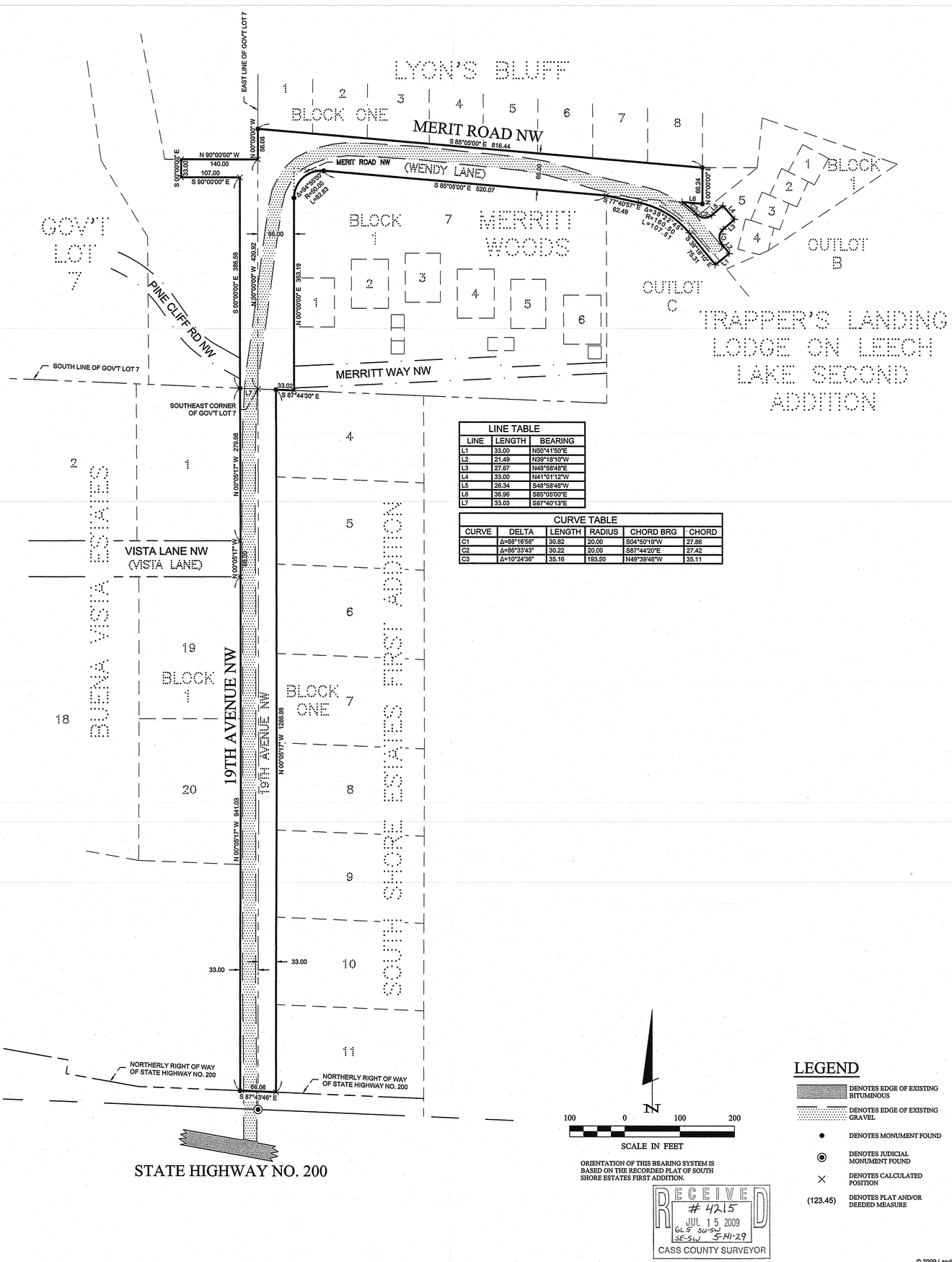
AND

An easement for ingress and egress, over and across Outlot C and Lot 5, Block 1, TRAPPER'S LANDING LODGE ON LEECH LAKE SECOND ADDITION, according to the recorded plat thereof, Cass County, Minnesota, described as follows:

BEGINNING at the northwest corner of said Outlot C and assigning the northerly line of said Outlot C and said Lot 5 to bear South 85 degrees 05 minutes 00 seconds East; thence South 77 degrees 40 minutes 55 seconds East 62.48 feet; thence southeasterly 107.51 feet, along a tangential curve, concave to the southwest, having a radius of 160.50 feet and a central angle of 38 degrees 22 minutes 45 seconds; thence South 39 degrees 18 minutes 10 seconds East, tangent to said curve, 75.31 feet; thence North 50 degrees 41 minutes 50 seconds East 33.00 feet; thence North 39 degrees 18 minutes 10 seconds West 21.49 feet; thence northerly 30.82 feet, along a tangential curve, concave to the east, having a radius of 20.00 feet and a central angle of 88 degrees 16 minutes 58 seconds; thence North 48 degrees 58 minutes 48 seconds East, tangent to said last described curve, 27.67 feet; thence North 41 degrees 01 minutes 12 seconds West 33.00 feet; thence South 48 degrees 58 minutes 48 seconds West 26.34 feet; thence westerly 30.22 feet, along a tangential curve, concave to the north, having a radius of 20.00 feet and a central angle of 86 degrees 33 minutes 43 seconds to a point of reverse curvature; thence northwesterly 35.16 feet, along said reverse curve, concave to the southwest, having a radius of 193.50 feet and a central angle of 10 degrees 24 minutes 36 seconds to said northerly line; thence North 85 degrees 05 minutes 00 seconds West, along said northerly line, 138.66 feet to the point of beginning.
Note: This easement has not been recorded.

AND

An easement for ingress and egress, over and across part of Government Lot 7, Section 5, Township 141 North, Range 29 West, Cass County, Minnesota, described as follows:
BEGINNING at the southeast corner of said Government Lot 7; thence on an assigned bearing of North, along the east line thereof 420.92 feet; thence on a bearing of West 140.00 feet; thence on a bearing of South 33.00 feet; thence on a bearing of East 107.00 feet; thence on a bearing of South 386.58 feet to the south line of said Government Lot 7; thence South 87 degrees 40 minutes 13 seconds East, along said south line 33.03 feet to the point of beginning.
Note: Ownership of this parcel is unknown and legal advice or title search should be acquired.



LINE TABLE		
LINE	LENGTH	BEARING
L1	33.00	N50°41'50"E
L2	21.49	N39°18'10"W
L3	27.67	N48°58'48"E
L4	33.00	N41°01'12"W
L5	26.34	S48°58'48"W
L6	35.96	S85°05'00"E
L7	33.03	S87°40'13"E

CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD BRG	CHORD
C1	Δ=88°16'58"	30.82	20.00	S04°50'19"W	27.86
C2	Δ=86°33'43"	30.22	20.00	S87°44'20"E	27.42
C3	Δ=10°24'36"	35.16	193.50	N49°39'46"W	35.11

100 0 100 200
SCALE IN FEET

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE RECORDED PLAT OF SOUTH SHORE ESTATES FIRST ADDITION.

RECEIVED
4215
JUL 15 2009
GL 5 SW-SW
SE-SW 5-141-29
CASS COUNTY SURVEYOR

LEGEND

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES MONUMENT FOUND
- DENOTES JUDICIAL MONUMENT FOUND
- DENOTES CALCULATED POSITION
- (123.45) DENOTES PLAT AND/OR DEEDED MEASURE

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SHEET							
1 OF 1	CERTIFICATE OF SURVEY	PROJECT MANAGER: TLF	PROJECT No.: 092040	DATE: 06-26-2009	REVISIONS: DATE / 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.	Landecker & Associates, Inc. Engineering · Surveying · Planning
	Pine Lake Township c/o Kathy Miller 1680 Pine Lake Road NW Walker, MN 56484	CHECKED BY: TLF	FILE NAME: C092040 (Sec 5).dwg	SCALE: HORZ 1" = 100'		Terry L. Freeman, PLS #21367 DATE 6/26/09 LIC. NO. 21367	Walker, MN 56484 Phone: 218-547-1296 Fax: 218-547-2272
		DRAWN BY: WAG	FIELD BOOK: BOOK 302 PG. 20	VERT. NONE			