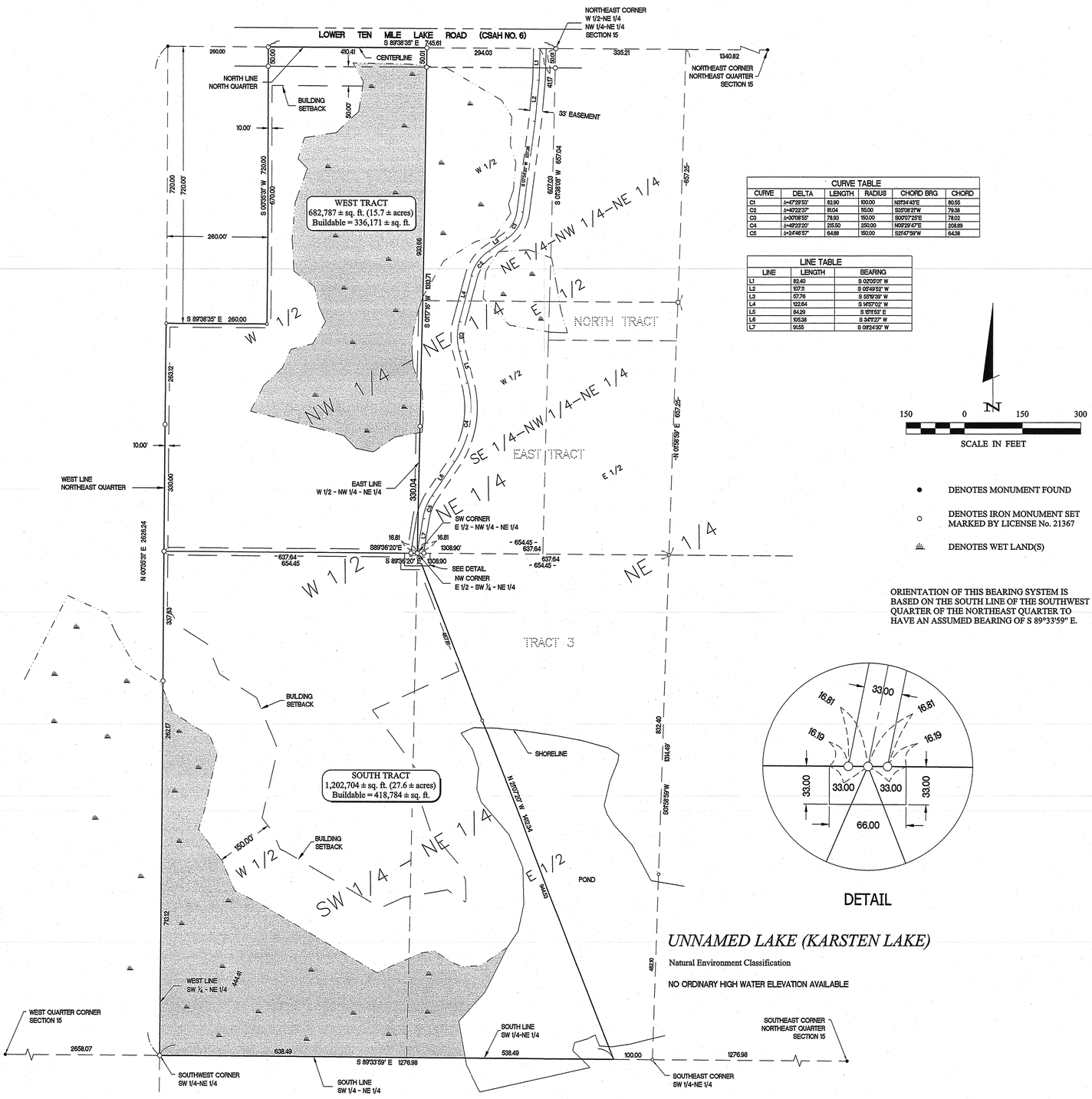
CERTIFICATE OF SURVEY

PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER, AND PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, SECTION 15, TOWNSHIP 140 NORTH, RANGE 31 WEST, CASS COUNTY, MINNESOTA



CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD BRG.	CHORD
C1	Δ=47°29'53"	82.90	100.00	N83°34'43"E	80.55
C2	Δ=47°23'23"	85.04	155.00	S33°26'37"W	79.38
C3	Δ=30°08'55"	78.93	150.00	S00°07'25"E	78.02
C4	Δ=49°23'20"	215.50	250.00	N09°29'47"E	208.89
C5	Δ=24°46'57"	64.88	150.00	S21°47'59"W	64.38

LINE TABLE		
LINE	LENGTH	BEARING
L1	82.40	S 02°05'01" W
L2	107.11	S 05°49'55" W
L3	57.76	S 55°19'39" W
L4	122.64	S 14°57'02" W
L5	84.29	S 15°15'57" E
L6	105.38	S 34°17'27" W
L7	91.55	S 09°24'30" W

- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 21367
- DENOTES WET LAND(S)

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER TO HAVE AN ASSUMED BEARING OF S 89°33'59" E.

DETAIL

UNNAMED LAKE (KARSTEN LAKE)

Natural Environment Classification

NO ORDINARY HIGH WATER ELEVATION AVAILABLE

LEGAL DESCRIPTIONS

WEST TRACT

The West Half of the Northwest Quarter of the Northeast Quarter of Section 15, Township 140 North, Range 31 West, Cass County, Minnesota except the West 260.00 feet of the North 720.00 feet thereof.

Subject to and together with an easement for ingress, egress, and utilities 33.00 feet in width over, under, and across parts of the West Half of the Northeast Quarter of Section 15, Township 140 North, Range 31 West, Cass County, Minnesota, the centerline of which is described as follows: Commencing at the Northeast corner of the West Half of the Northeast Quarter of the Northwest Quarter of the Northeast Quarter of said Section 15; thence North 89 degrees 38 minutes 35 seconds West, assumed bearing along the North line of last said West Half 41.17 feet to the point of beginning of centerline to be herein described; thence South 02 degrees 05 minutes 01 seconds West 82.40 feet; thence South 05 degrees 49 minutes 52 seconds West 107.11 feet; thence South 07 degrees 54 minutes 20 seconds West 237.36 feet; thence southwesterly 82.90 feet along a tangential curve concave to the northwest having a radius of 100.00 feet and a central angle of 47 degrees 29 minutes 53 seconds; thence South 55 degrees 19 minutes 39 seconds West tangent with last curve 57.76 feet; thence southwesterly 81.04 feet along a tangential curve concave to the southeast, having a radius of 115.00 feet and a central angle of 40 degrees 22 minutes 37 seconds; thence South 14 degrees 57 minutes 02 seconds West tangent with last curve 122.64 feet; thence southerly 78.93 feet along a tangential curve concave to the East, having a radius of 150.00 feet and a central angle of 30 degrees 08 minutes 55 seconds; thence South 15 degrees 11 minutes 53 seconds East tangent with last curve 84.29 feet; thence southwesterly 215.50 feet on a tangential curve concave to the West, having a radius of 250.00 feet and a central angle of 49 degrees 23 minutes 20 seconds; thence South 34 degrees 11 minutes 27 seconds West tangent with last curve 105.38 feet; thence southerly 64.88 feet along a tangential curve concave to the East having a radius of 150.00 feet and a central angle of 24 degrees 46 minutes 57 seconds; thence South 09 degrees 24 minutes 30 seconds West tangent with last curve 91.55 feet to the southwest corner of the East Half of the Northwest Quarter of the Northeast Quarter of said Section 15 and said centerline there terminating.

And also an easement for ingress, egress, and utilities over, under, and across the North 33.00 feet of the West 33.00 feet of the East Half of the Southwest Quarter of the Northeast Quarter of said Section 15 and the North 33.00 feet of the East 33.00 feet of the West Half of the Southwest Quarter of the Northeast Quarter of said Section 15.

Subject to and together with right-of-way for CSAH #6, easements, restrictions and reservations of record.

SOUTH TRACT

That part of the Southwest Quarter of the Northeast Quarter of Section 15, Township 140 North, Range 31 West, Cass County, Minnesota lying West of a line described as follows: Beginning at a point on the South line of said Southwest Quarter distant 100.00 feet and North 89 degrees 33 minutes 59 seconds West, assumed bearing from the Southeast corner thereof; thence North 21 degrees 07 minutes 20 seconds West 1412.34 feet to the Northwest corner of the East Half of said Southwest Quarter of the Northeast Quarter and said line there terminating.

Subject to and together with an easement for ingress, egress, and utilities 33.00 feet in width over, under, and across parts of the West Half of the Northeast Quarter of Section 15, Township 140 North, Range 31 West, Cass County, Minnesota, the centerline of which is described as follows: Commencing at the Northeast corner of the West Half of the Northeast Quarter of the Northwest Quarter of the Northeast Quarter of said Section 15; thence North 89 degrees 38 minutes 35 seconds West, assumed bearing along the North line of last said West Half 41.17 feet to the point of beginning of centerline to be herein described; thence South 02 degrees 05 minutes 01 seconds West 82.40 feet; thence South 05 degrees 49 minutes 52 seconds West 107.11 feet; thence South 07 degrees 54 minutes 20 seconds West 237.36 feet; thence southwesterly 82.90 feet along a tangential curve concave to the northwest having a radius of 100.00 feet and a central angle of 47 degrees 29 minutes 53 seconds; thence South 55 degrees 19 minutes 39 seconds West tangent with last curve 57.76 feet; thence southwesterly 81.04 feet along a tangential curve concave to the southeast, having a radius of 115.00 feet and a central angle of 40 degrees 22 minutes 37 seconds; thence South 14 degrees 57 minutes 02 seconds West tangent with last curve 122.64 feet; thence southerly 78.93 feet along a tangential curve concave to the East, having a radius of 150.00 feet and a central angle of 30 degrees 08 minutes 55 seconds; thence South 15 degrees 11 minutes 53 seconds East tangent with last curve 84.29 feet; thence southwesterly 215.50 feet on a tangential curve concave to the West, having a radius of 250.00 feet and a central angle of 49 degrees 23 minutes 20 seconds; thence South 34 degrees 11 minutes 27 seconds West tangent with last curve 105.38 feet; thence southerly 64.88 feet along a tangential curve concave to the East having a radius of 150.00 feet and a central angle of 24 degrees 46 minutes 57 seconds; thence South 09 degrees 24 minutes 30 seconds West tangent with last curve 91.55 feet to the Southwest corner of the East Half of the Northwest Quarter of the Northeast Quarter of said Section 15 and said centerline there terminating

And also an easement for ingress, egress, and utilities over, under, and across the North 33.00 feet of the West 33.00 feet of the East Half of the Southwest Quarter of the Northeast Quarter of said Section 15 and the North 33.00 feet of the East 33.00 feet of the West Half of the Southwest Quarter of the Northeast Quarter of said Section 15.

Subject to and together with right-of-way for CSAH #6, easements, restrictions and reservations of record .

RECEIVED
4285
OCT 26 2009
NW-NE
SW-NE 15-140-31
CASS COUNTY SURVEYOR

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SHEET	CERTIFICATE OF SURVEY	PROJ. MGR.	COMPUTER:	DATE:
1 OF 1		TRJ	C062093.dwg	05-26-2006
	PAT MORAN P.O. BOX 393 LONGVILLE, MN 56655	CHECKED BY:	FIELD BOOK:	SCALE:
		TLF	BOOK PG. \	HORZ. 1"=150'
		DRAWN BY:	FILE NO:	
		TRJ	062093	VERT. NONE

REVISIONS		
DATE	DESCRIPTION	BY
09-08-2009	Adjusted Tracts	WAG

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

Terry L. Freeman, PLS #21367

DATE 9/8/09 LIC. NO. 21367

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