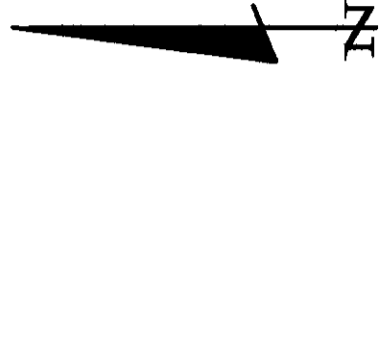


CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOT 8,
SECTION 12, TOWNSHIP 142 NORTH, RANGE 31 WEST,
CASS COUNTY, MINNESOTA



SCALE IN FEET
0 60 120

- DENOTES BRASS CAP MONUMENT FOUND
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE NO. 21367
- DENOTES MAG NAIL SET
- DENOTES WETLAND
- ☐ DENOTES PROPOSED SEPTIC SITE

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE WEST LINE OF GOV'T LOT 8 TO HAVE AN ASSUMED BEARING OF N 0° 53' 23" E.

COMMON ACCESS ROAD EASEMENT #1

An easement 50.00 feet in width over and across that part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, the centerline of which is described as follows: Commencing at the northwest corner of said Government Lot 8; thence South 79 degrees 20 minutes 01 seconds East, 177.94 feet; thence North 79 degrees 20 minutes 01 seconds West 72.27 feet to the point of beginning of the centerline to be herein described; thence South 30 degrees 18 minutes 45 seconds East 30.54 feet; thence southerly 62.55 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 67 degrees 13 minutes 56 seconds; thence southerly 188.04 feet along a tangential curve concave to the north, having a radius of 100.00 feet and a central angle of 77 degrees 56 minutes 53 seconds; thence South 83 degrees 28 minutes 25 seconds West, tangent to last said curve 93.89 feet; thence southerly 126.00 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 77 degrees 56 minutes 53 seconds; thence South 83 degrees 28 minutes 25 seconds West, tangent to last said curve 93.89 feet; thence southerly 126.00 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 67 degrees 13 minutes 56 seconds; thence South 79 degrees 20 minutes 01 seconds East, 177.94 feet to the point of beginning of the easement; the area of said easement shall be 10,000.00 square feet. The area of said easement shall be 10,000.00 square feet. The area of said easement shall be 10,000.00 square feet.

COMMON ACCESS ROAD EASEMENT #2

An easement 50.00 feet in width over and across that part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, the centerline of which is described as follows: Commencing at the northwest corner of said Government Lot 8; thence South 79 degrees 20 minutes 01 seconds East, 177.94 feet; thence North 79 degrees 20 minutes 01 seconds West 72.27 feet to the point of beginning of the centerline to be herein described; thence South 30 degrees 18 minutes 45 seconds East 30.54 feet; thence southerly 62.55 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 67 degrees 13 minutes 56 seconds; thence southerly 188.04 feet along a tangential curve concave to the north, having a radius of 100.00 feet and a central angle of 77 degrees 56 minutes 53 seconds; thence South 83 degrees 28 minutes 25 seconds West, tangent to last said curve 93.89 feet; thence southerly 126.00 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 77 degrees 56 minutes 53 seconds; thence South 83 degrees 28 minutes 25 seconds West, tangent to last said curve 93.89 feet; thence southerly 126.00 feet along a tangential curve concave to the West, having a radius of 100.00 feet and a central angle of 67 degrees 13 minutes 56 seconds; thence South 79 degrees 20 minutes 01 seconds East, 177.94 feet to the point of beginning of the easement; the area of said easement shall be 10,000.00 square feet. The area of said easement shall be 10,000.00 square feet. The area of said easement shall be 10,000.00 square feet.

PROPOSED DESCRIPTIONS

NEW TRACT 6
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 53 minutes 23 seconds West, assumed bearing along the West line thereof 684.21 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 152.21 feet; thence South 79 degrees 20 minutes 01 seconds East 4.06 feet; thence North 0 degrees 53 minutes 23 seconds East 152.21 feet to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 4.06 feet to the point of beginning.

TRACT 6A

That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 53 minutes 23 seconds West, assumed bearing along the West line thereof 1016.42 feet to a point hereinafter referred to as Point "A"; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 152.21 feet; thence South 79 degrees 20 minutes 01 seconds East 4.06 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds East 152.21 feet to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 4.06 feet to the intersection with a line bearing North 0 degrees 53 minutes 23 seconds East from the point of beginning; thence South 0 degrees 53 minutes 23 seconds West 152.21 feet to the point of beginning.

REVISSED NEW TRACT 7

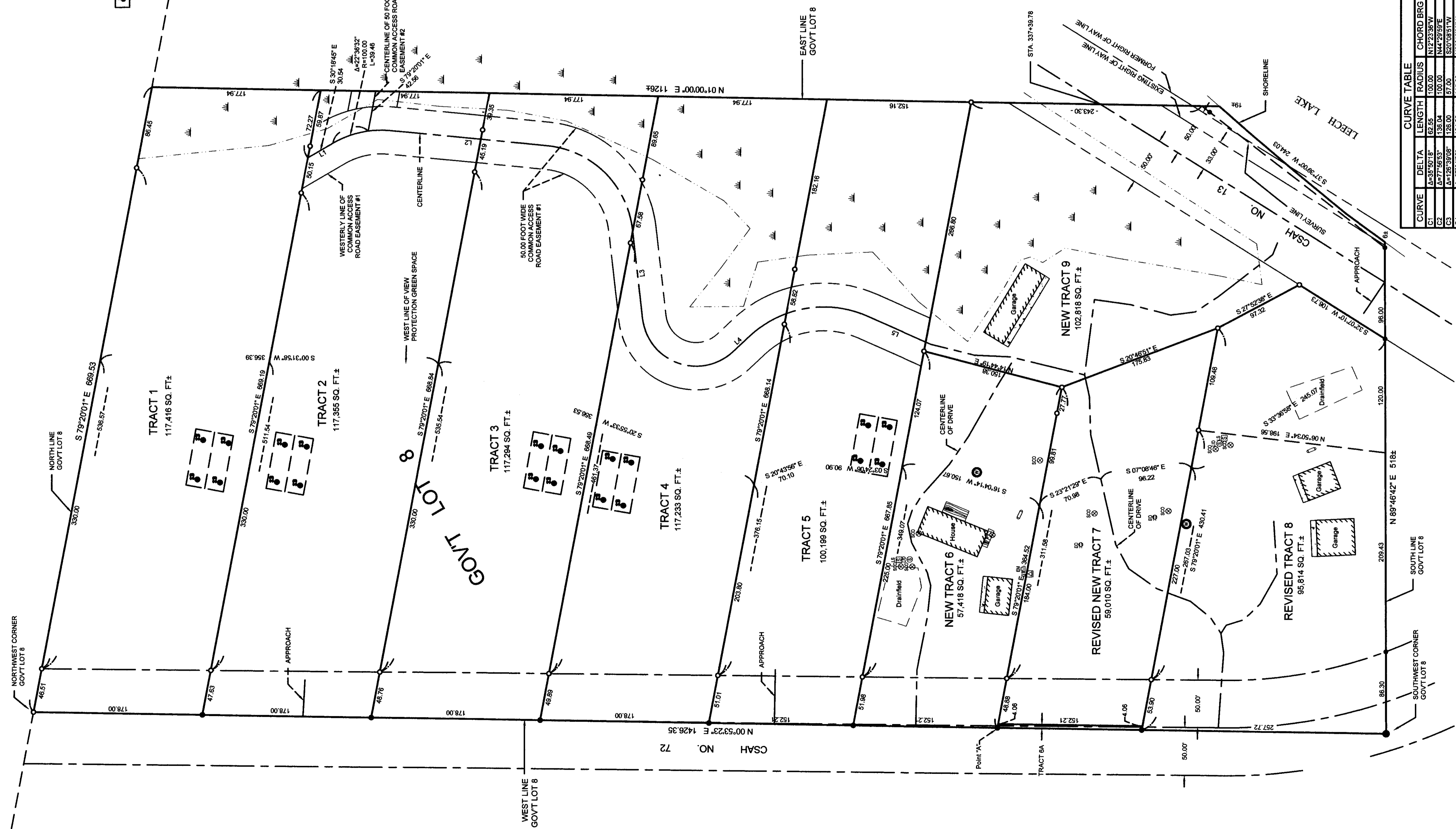
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 53 minutes 23 seconds West, assumed bearing along the West line thereof 1016.42 feet to a point hereinafter referred to as Point "A"; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 152.21 feet; thence South 79 degrees 20 minutes 01 seconds East 4.06 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds East 152.21 feet to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 4.06 feet to the intersection with a line bearing North 0 degrees 53 minutes 23 seconds East from the point of beginning; thence South 0 degrees 53 minutes 23 seconds West 152.21 feet to the point of beginning.

NEW TRACT 8

That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 53 minutes 23 seconds West, assumed bearing along the West line thereof 684.21 feet; thence South 79 degrees 20 minutes 01 seconds East 401.05 feet to the point of beginning of the tract to be herein described; thence South 14 degrees 44 minutes 19 seconds West 150.38 feet; thence South 20 degrees 46 minutes 51 seconds East 175.83 feet; thence South 27 degrees 52 minutes 38 seconds East 97.32 feet; thence South 32 degrees 07 minutes 10 seconds West 106.73 feet to the South line of said Government Lot 8; thence North 89 degrees 46 minutes 42 seconds East along said South line 102 feet, more or less, to the shoreline of Leech Lake; thence northeasterly along said shoreline to the East line of said Government Lot 8; thence North 1 degree 00 minutes 00 seconds East along said East line 262 feet, more or less, to the bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 266.80 feet to the point of beginning.

REVISSED TRACT 8

That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 53 minutes 23 seconds West, assumed bearing along the West line thereof 1168.83 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 257.72 feet to the Southwest corner of said Government Lot 8; thence North 89 degrees 46 minutes 42 seconds East along the south line thereof 415.73 feet; thence North 32 degrees 07 minutes 10 seconds East 106.73 feet; thence North 27 degrees 52 minutes 38 seconds West 97.32 feet to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 430.41 feet to the point of beginning.



LINE	BEARING	LENGTH
L1	S0°18'45"E	30.54
L2	S0°31'33"W	166.73
L3	S83°28'25"W	93.89
L4	S43°10'43"E	23.37
L5	S23°50'40"W	66.63

CURVE	DELTA	LENGTH	RADIUS	CHORD	BRG
C1	Δ=35°56'8"	62.55	100.00	N12°23'56"W	61.83
C2	Δ=77°46'33"	188.04	100.00	N44°29'59"E	126.79
C3	Δ=77°46'33"	188.04	100.00	S20°05'11"W	101.87
C4	Δ=37°42'23"	124.92	113.60	N69°40'02"W	73.86

REVISIONS:

NO.	DATE	DESCRIPTION
1	05-15-2018	Added Tract 6A

I HEREBY CERTIFY THAT THIS SURVEY PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

TERRY L. FREEMAN
LIC. NO. 21367



CERTIFICATE OF SURVEY

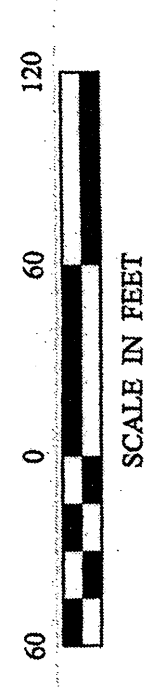
Rick Schaefer
P.O. Box 39
Walker, MN 56484

JOB NO. 12-044
DATE: 06-01-2012

SHEET NO. 1 OF 1

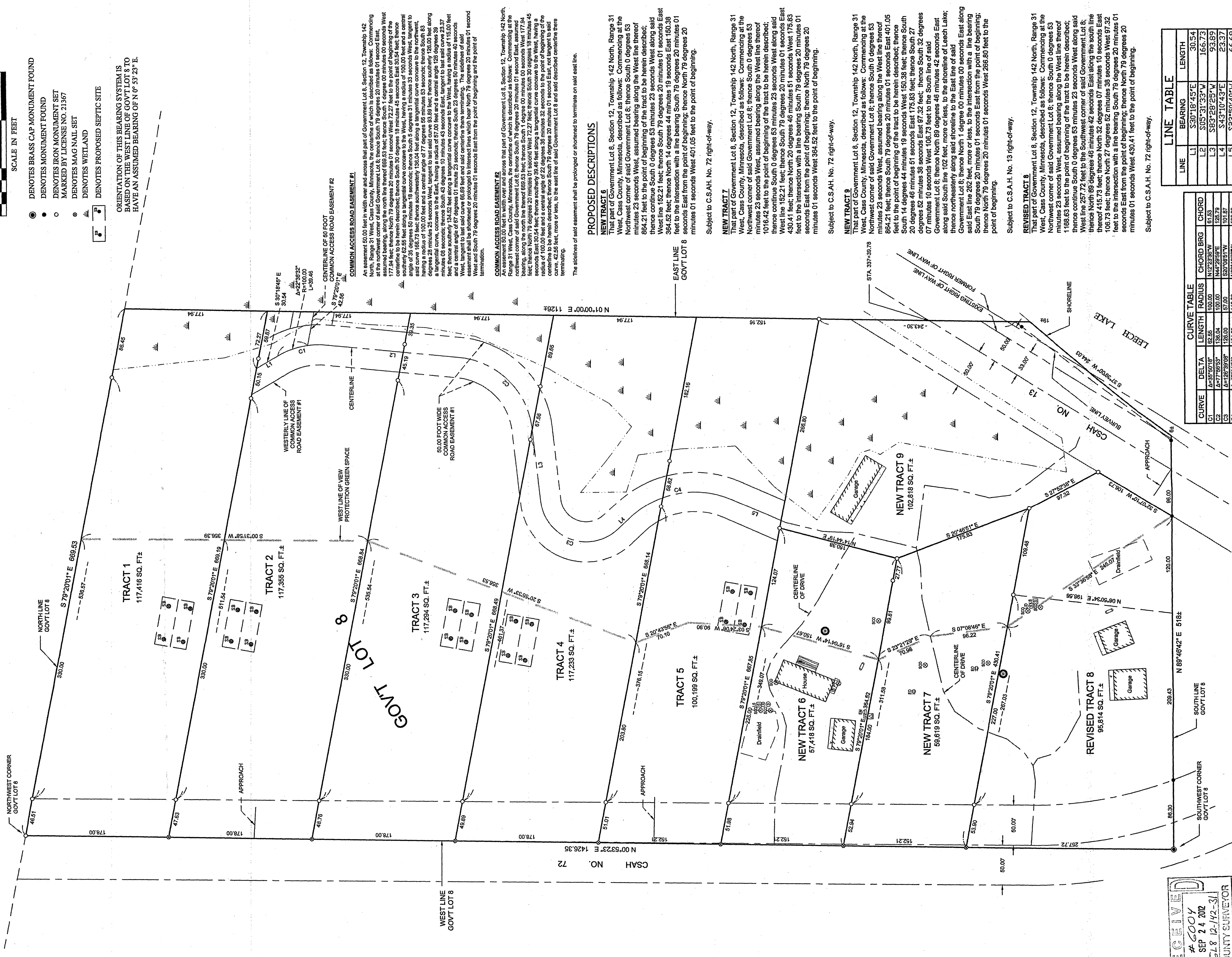
CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOT 8,
SECTION 12, TOWNSHIP 142 NORTH, RANGE 31 WEST,
CASS COUNTY, MINNESOTA



- DENOTES BRASS CAP MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE NO. 21367
- DENOTES MAG NAIL SET
- DENOTES WETLAND
- DENOTES PROPOSED SEPTIC SITE

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE WEST LINE OF GOV'T LOT 8 TO HAVE AN ASSUMED BEARING OF N 0° 53' 23" E.



PROPOSED DESCRIPTIONS

NEW TRACT 6
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 03 minutes 23 seconds West, assumed bearing along the West line thereof 864.21 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 152.21 feet; thence South 79 degrees 20 minutes 01 seconds East 394.35 feet; thence North 14 degrees 44 minutes 50 seconds East 150.38 feet; thence South 79 degrees 20 minutes 01 seconds West 401.05 feet to the point of beginning.

Subject to C.S.A.H. No. 72 right-of-way.

NEW TRACT 7
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 03 minutes 23 seconds West, assumed bearing along the West line thereof 1016.42 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 152.21 feet; thence South 79 degrees 20 minutes 01 seconds East 394.35 feet; thence North 14 degrees 44 minutes 50 seconds East 150.38 feet; thence South 79 degrees 20 minutes 01 seconds West 401.05 feet to the point of beginning.

Subject to C.S.A.H. No. 72 right-of-way.

NEW TRACT 8
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 03 minutes 23 seconds West, assumed bearing along the West line thereof 864.21 feet; thence South 79 degrees 20 minutes 01 seconds East 401.05 feet to the point of beginning of the tract to be herein described; thence South 14 degrees 44 minutes 19 seconds West 150.38 feet; thence South 20 degrees 46 minutes 01 seconds East 175.83 feet; thence South 32 degrees 07 minutes 58 seconds West 102 feet, more or less, to the shoreline of Leech Lake; thence North 14 degrees 44 minutes 50 seconds East along the shoreline of Leech Lake 282 feet, more or less, to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 266.80 feet to the point of beginning.

Subject to C.S.A.H. No. 13 right-of-way.

REVISED TRACT 8
That part of Government Lot 8, Section 12, Township 142 North, Range 31 West, Cass County, Minnesota, described as follows: Commencing at the Northwest corner of said Government Lot 8; thence South 0 degrees 03 minutes 23 seconds West, assumed bearing along the West line thereof 1168.83 feet to the point of beginning of the tract to be herein described; thence continue South 0 degrees 53 minutes 23 seconds West along said West line 257.72 feet to the Southwest corner of said Government Lot 8; thence North 89 degrees 46 minutes 42 seconds East along the south line thereof 415.73 feet; thence North 32 degrees 07 minutes 10 seconds East 106.72 feet; thence North 27 degrees 52 minutes 38 seconds West 97.32 feet to the intersection with a line bearing South 79 degrees 20 minutes 01 seconds East from the point of beginning; thence North 79 degrees 20 minutes 01 seconds West 430.41 feet to the point of beginning.

Subject to C.S.A.H. No. 72 right-of-way.

LINE	BEARING	LENGTH
L1	S 30° 18' 45" E	30.54
L2	S 05° 31' 33" W	166.73
L3	S 83° 28' 25" W	93.89
L4	S 43° 10' 43" E	23.37
L5	S 23° 50' 40" W	66.63

CURVE	DELTA	LENGTH	RADIUS	CHORD BRG	CHORD
C1	Δ=35° 50' 18"	62.55	100.00	N 12° 23' 55" W	61.83
C2	Δ=77° 05' 53"	136.04	100.00	N 44° 29' 59" E	126.79
C3	Δ=128° 38' 08"	126.00	57.00	S 52° 03' 51" W	101.37
C4	Δ=67° 01' 23"	134.52	116.00	N 59° 42' 02" W	126.38

NO.	DATE	DESCRIPTION	BY

I HEREBY CERTIFY THAT THIS SURVEY PLAN OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

Ferry L. Freeman
FERRY L. FREEMAN
LIC. NO. 21367

MINNESOTA ENGINEERING & CONSULTING, INC.
207 4th Street NW, Minneapolis, MN 55401
Phone: 763-444-4660, Fax: 763-444-6942
web: www.mnecusa.com

CERTIFICATE OF SURVEY
Rick Schaefer
P.O. Box 39
Walker, MN 56484

RECEIVED
6004
SEP 24 2012
CL & J-12-31
COUNTY SURVEYOR