CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOT 7, SECTION 20, TOWNSHIP 142 NORTH, RANGE 30 WEST, CASS COUNTY, MINNESOTA

RECEIVED
#3967
JUL 28 2008
CASS COUNTY SURVEYOR

DESCRIPTION PROVIDED

Lot Seven (7), Section Twenty (20), Township One Hundred Forty-two (142), Range Thirty (30), lying and being West of the Onigum Road as at present laid out and constructed, LESS the North 200 feet thereof.

TRACT 1 REVISED

That part of Government Lot 7, Section 20, Township 142 North, Range 30 West, Cass County, Minnesota, described as follows: Commencing at the northeast corner of said Government Lot 7; thence South 01 degree 27 minutes 39 seconds East, assumed bearing, along the east line of said Government Lot 7, a distance of 200.30 feet to the south line of the North 200.00 feet of said Government Lot 7; thence North 88 degrees 21 minutes 12 seconds West along said south line 863.27 feet to the centerline of C.S.A.H. No. 13 (Onigum Road), the point of beginning of the tract to be herein described; thence southerly 33.04 feet, along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 01 degree 41 minutes 47 seconds, a chord bearing of South 01 degree 05 minutes 31 seconds East, and a chord distance of 33.04 feet; thence North 88 degrees 21 minutes 12 seconds West, not tangent to said curve, a distance of 50.10 feet; thence South 82 degrees 10 minutes 26 seconds West 168.20 feet; thence South 38 degrees 54 minutes 58 seconds West 49.41 feet to the point of beginning of the tract to be herein described; thence North 38 degrees 54 minutes 58 seconds East 49.41 feet; thence North 82 degrees 10 minutes 26 seconds East 168.20 feet; thence South 88 degrees 21 minutes 12 seconds East 50.10 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly 168.77 feet, along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 8 degrees 39 minutes 53 seconds, a chord bearing of South 6 degrees 16 minutes 22 seconds East, and a chord distance of 168.61 feet; thence North 88 degrees 21 minutes 12 seconds West, not tangent to said curve, a distance of 349.90 feet; thence South 70 degrees 09 minutes 31 seconds West 78.97 feet; thence South 49 degrees 15 minutes 20 seconds West 243 feet, more or less, to the shoreline of Leech Lake; thence northwesterly, northeasterly, and northerly along said shoreline to the intersection with a line bearing North 88 degrees 21 minutes 12 seconds West from the point of beginning; thence South 88 degrees 21 minutes 12 seconds East 323 feet, more or less, to the point of beginning.

Subject to C.S.A.H. No. 13 (Onigum Road) right-of-way.
Together with a 20.00 foot wide easement (see Easement 1 Revised).
Subject to easements, restrictions, and reservations of record.

TRACT 3

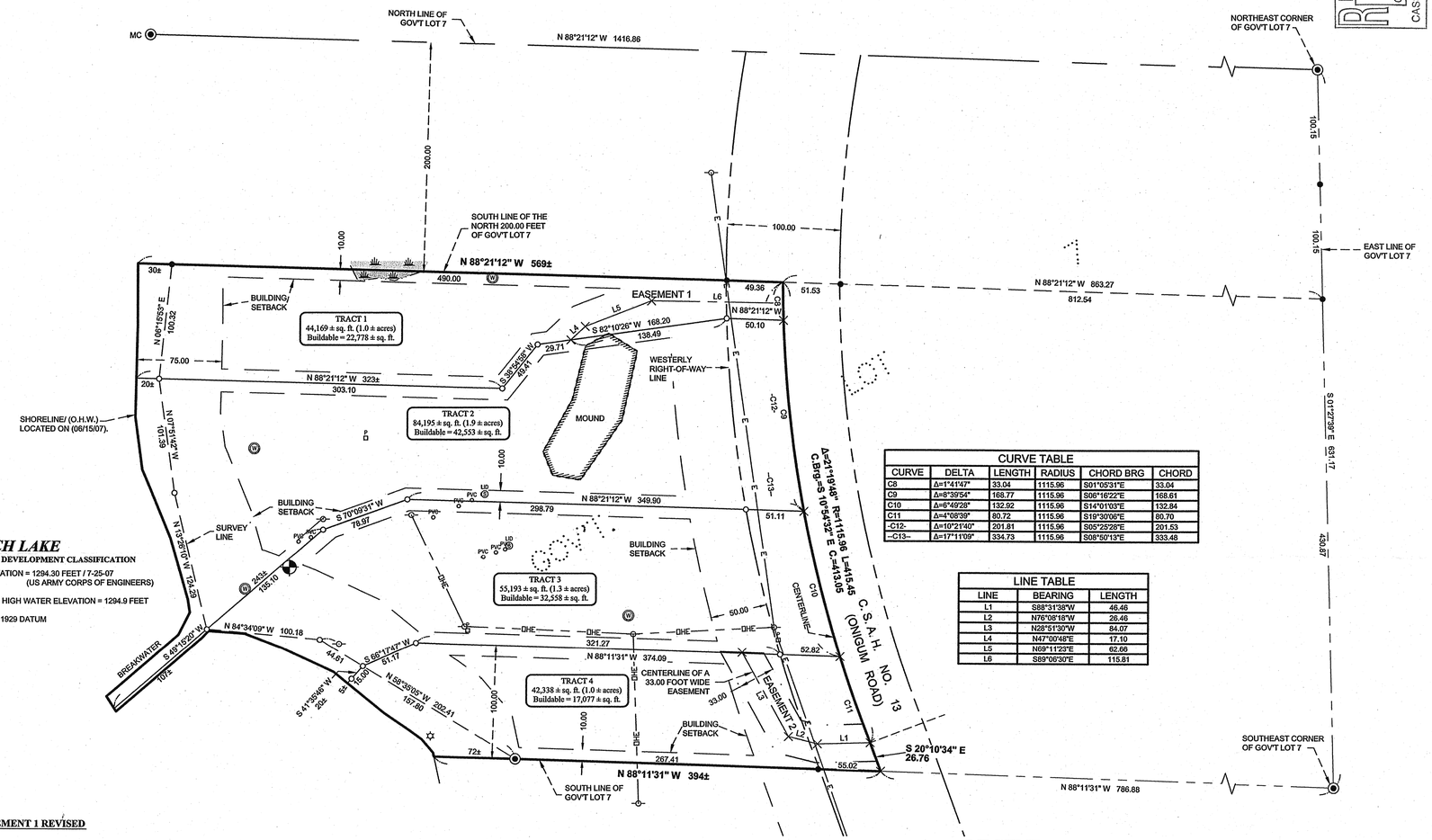
That part of Government Lot 7, Section 20, Township 142 North, Range 30 West, Cass County, Minnesota, described as follows: Commencing at the northeast corner of said Government Lot 7; thence South 01 degree 27 minutes 39 seconds East, assumed bearing, along the east line of said Government Lot 7, a distance of 200.30 feet to the south line of the North 200.00 feet of said Government Lot 7; thence North 88 degrees 21 minutes 12 seconds West along said south line 863.27 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly 201.81 feet along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 10 degrees 21 minutes 40 seconds, a chord bearing South 5 degrees 25 minutes 28 seconds East and a chord distance of 201.53 feet; thence North 88 degrees 21 minutes 12 seconds West, not tangent to said curve, a distance of 349.90 feet; thence South 70 degrees 09 minutes 31 seconds West 78.97 feet to the point of beginning of the tract to be herein described; thence North 70 degrees 09 minutes 31 seconds East 78.97 feet; thence South 88 degrees 21 minutes 12 seconds East 349.90 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly, 132.92 feet along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 6 degrees 49 minutes 28 seconds, a chord bearing of South 14 degrees 01 minute 03 seconds East, and a chord distance of 132.84 feet; thence North 88 degrees 11 minutes 31 seconds West, not tangent to said curve, a distance of 374.09 feet; thence South 66 degrees 17 minutes 47 seconds West 51.17 feet; thence South 41 degrees 35 minutes 46 seconds West 20 feet, more or less, to the shoreline of Leech Lake; thence northwesterly, southwesterly, and northerly along said shoreline to the intersection with a line bearing South 49 degrees 15 minutes 20 seconds West from the point of beginning; thence North 49 degrees 15 minutes 20 seconds East 243 feet, more or less, to the point of beginning.

Subject to C.S.A.H. No. 13 (Onigum Road) right-of-way.
Subject to and Together with a 33.00 foot wide easement (see Easement 2).
Subject to easements, restrictions, and reservations of record.

TRACT 4

That part of Government Lot 7, Section 20, Township 142 North, Range 30 West, Cass County, Minnesota, described as follows: Commencing at the northeast corner of said Government Lot 7; thence South 01 degree 27 minutes 39 seconds East, assumed bearing, along the east line of said Government Lot 7, a distance of 200.30 feet to the south line of the North 200.00 feet of said Government Lot 7; thence North 88 degrees 21 minutes 12 seconds West along said south line 863.27 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly 334.73 feet along said centerline, also being a non-tangential curve concave to the east, having a radius of 1115.96 feet, a central angle of 17 degrees 11 minutes 09 seconds, a chord bearing of South 08 degrees 50 minutes 13 seconds East, and a chord distance of 333.48 feet; thence North 88 degrees 11 minutes 31 seconds West, not tangent to said curve, a distance of 374.09 feet; thence South 66 degrees 17 minutes 47 seconds West 51.17 feet to the point of beginning of the tract to be herein described; thence North 66 degrees 17 minutes 47 seconds East 51.17 feet; thence South 88 degrees 11 minutes 31 seconds East 374.09 feet to said centerline; thence southerly 80.72 feet along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 4 degrees 08 minutes 39 seconds, a chord bearing of South 19 degrees 30 minutes 06 seconds East, and a chord distance of 80.70 feet; thence continuing along said centerline South 20 degrees 10 minutes 34 seconds East, tangent to said curve, a distance of 26.76 feet to the south line of said Government Lot 7; thence South 88 degrees 11 minutes 31 seconds West along said south line 394 feet, more or less, to the shoreline of Leech Lake; thence northwesterly along said shoreline to the intersection with a line bearing South 41 degrees 35 minutes 46 seconds West from the point of beginning; thence North 41 degrees 35 minutes 46 seconds East 20 feet, more or less, to the point of beginning.

Subject to C.S.A.H. No. 13 (Onigum Road) right-of-way.
Together with a 20.00 foot wide easement (see Easement 1 Revised).
Subject to and Together with a 33.00 foot wide easement (see Easement 2).
Subject to easements, restrictions, and reservations of record.



CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD BRG	CHORD
C8	Δ=1°41'47"	33.04	1115.96	S01°05'31"E	33.04
C9	Δ=8°39'54"	168.77	1115.96	S06°16'22"E	168.61
C10	Δ=6°49'28"	132.92	1115.96	S14°01'03"E	132.84
C11	Δ=4°08'39"	80.72	1115.96	S19°30'06"E	80.70
C12	Δ=10°21'40"	201.81	1115.96	S05°25'28"E	201.53
C13	Δ=17°11'09"	334.73	1115.96	S08°50'13"E	333.48

LINE TABLE		
LINE	BEARING	LENGTH
L1	S88°31'38"W	46.46
L2	N76°08'18"W	26.46
L3	N28°51'30"W	84.07
L4	N47°00'48"E	17.10
L5	N69°11'23"E	62.66
L6	S89°06'30"E	115.81

LEECH LAKE
GENERAL DEVELOPMENT CLASSIFICATION

LAKE ELEVATION = 1294.30 FEET / 7-25-07
(US ARMY CORPS OF ENGINEERS)

ORDINARY HIGH WATER ELEVATION = 1294.9 FEET

BASED ON 1929 DATUM

EASEMENT 1 REVISED

A 20.00 foot wide easement for ingress and egress over and across that part of Government Lot 7, Section 20, Township 142 North, Range 30 West, Cass County, Minnesota, the centerline of which is described as follows: Commencing at the northeast corner of said Government Lot 7; thence South 01 degree 27 minutes 39 seconds East, assumed bearing along the east line of said Government Lot 7, a distance of 200.30 feet to the south line of the North 200.00 feet of said Government Lot 7; thence North 88 degrees 21 minutes 12 seconds West along said south line 863.27 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly 33.04 feet along said centerline, also being a non-tangential curve, concave to the East, having a radius of 1115.96 feet, a central angle of 01 degree 41 minutes 47 seconds, a chord bearing of South 01 degree 05 minutes 31 seconds East, and a chord distance of 33.04 feet; thence North 88 degrees 21 minutes 12 seconds West, not tangent to said curve, a distance of 50.10 feet; thence South 82 degrees 10 minutes 26 seconds West 138.49 feet to the point of beginning of the centerline to be herein described; thence North 47 degrees 00 minutes 48 seconds East 17.10 feet; thence North 69 degrees 11 minutes 23 seconds East 62.66 feet; thence South 89 degrees 06 minutes 30 seconds East 115.81 feet to the centerline of said C.S.A.H. No. 13 (Onigum Road) and said centerline there terminating.

The sidelines of said 20.00 foot wide easement shall be prolonged or shortened to terminate on the centerline of C.S.A.H. No. 13 (Onigum Road) and a line which bears South 82 degrees 10 minutes 26 seconds West and North 82 degrees 10 minutes 26 seconds East from the point of beginning.

EASEMENT 2

A 33.00 foot wide easement for ingress and egress over and across that part of Government Lot 7, Section 20, Township 142 North, Range 30 West, Cass County, Minnesota, the centerline of said 33.00 foot wide easement is described as follows: Commencing at the northeast corner of said Government Lot 7; thence South 01 degree 27 minutes 39 seconds East, assumed bearing, along the east line of said Government Lot 7, a distance of 200.30 feet to the south line of the North 200.00 feet of said Government Lot 7; thence North 88 degrees 21 minutes 12 seconds West along said south line 863.27 feet to the centerline of C.S.A.H. No. 13 (Onigum Road); thence southerly 415.45 feet along said centerline, also being a non-tangential curve, concave to the east, having a radius of 1115.96 feet, a central angle of 21 degrees 19 minutes 48 seconds, a chord bearing of South 10 degrees 54 minutes 32 seconds East, and a chord distance of 413.05 feet to the point of beginning of the centerline to be herein described; thence South 88 degrees 31 minutes 38 seconds West, not tangent to said curve, a distance of 46.46 feet; thence North 76 degrees 08 minutes 18 seconds West 26.46 feet; thence North 28 degrees 51 minutes 30 seconds West 85.00 feet and said centerline there terminating.

The sidelines of said 33.00 foot wide easement shall be prolonged or shortened to terminate on lines bearing North 88 degrees 11 minutes 31 seconds West and South 88 degrees 11 minutes 31 seconds East from the point of termination and on the centerline of C.S.A.H. No. 13 (Onigum Road).

LEGEND

- DENOTES GLO BRASS CAP MONUMENT FOUND
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 21367
- DENOTES CALCULATED POSITION
- **BENCHMARK:** 3/8" REROD IN THE SOUTHERLY FACE OF 24" OAK ELEV. = 1301.25
- DENOTES EXISTING UTILITY POLE
- DENOTES EXISTING MOUNTED LIGHT
- DENOTES EXISTING OVERHEAD ELECTRIC CABLE
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING WELL
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES DELINEATED WETLAND LAND BY ROBERT J.F. MERILA ON (07/26/07) AQUATIC ECOSOLUTIONS, INC.

N

60 0 60 120

SCALE IN FEET

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE EAST LINE OF GOVERNMENT LOT 7 TO HAVE AN ASSUMED BEARING OF S 01° 27' 39" E.

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Engineering - Surveying - Planning
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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 5/21/08
LIC. NO. 21367

REVISIONS		
DESCRIPTION	DATE	BY
REVISE TRACTS 1&2 AND EASEMENTS	08/07	CJH
REMOVE EASEMENTS 3 & 4	05-21-2008	WAG

DATE: 09/06/07
SCALE: 1"=60'
HORZ.
VERT. NONE
FIELD BOOK: BOOK 282 PG. 21
DRAWN BY: DRG
CHECKED BY: CJH
PROJECT MANAGER: TRJ
PROJECT No.: 072049
FILE NAME: C072049REVISION.dwg

CERTIFICATE OF SURVEY

RICHARD SCHAEFER
1125 FIRST STREET SOUTH #231
SARTELL, MN 56377

SHEET 1 OF 1

Wayne gregory 5/21/2008 8:26 AM - F:\Drawings\2007\072049 SCHAEFER\dwg\C072049REVISION.dwg