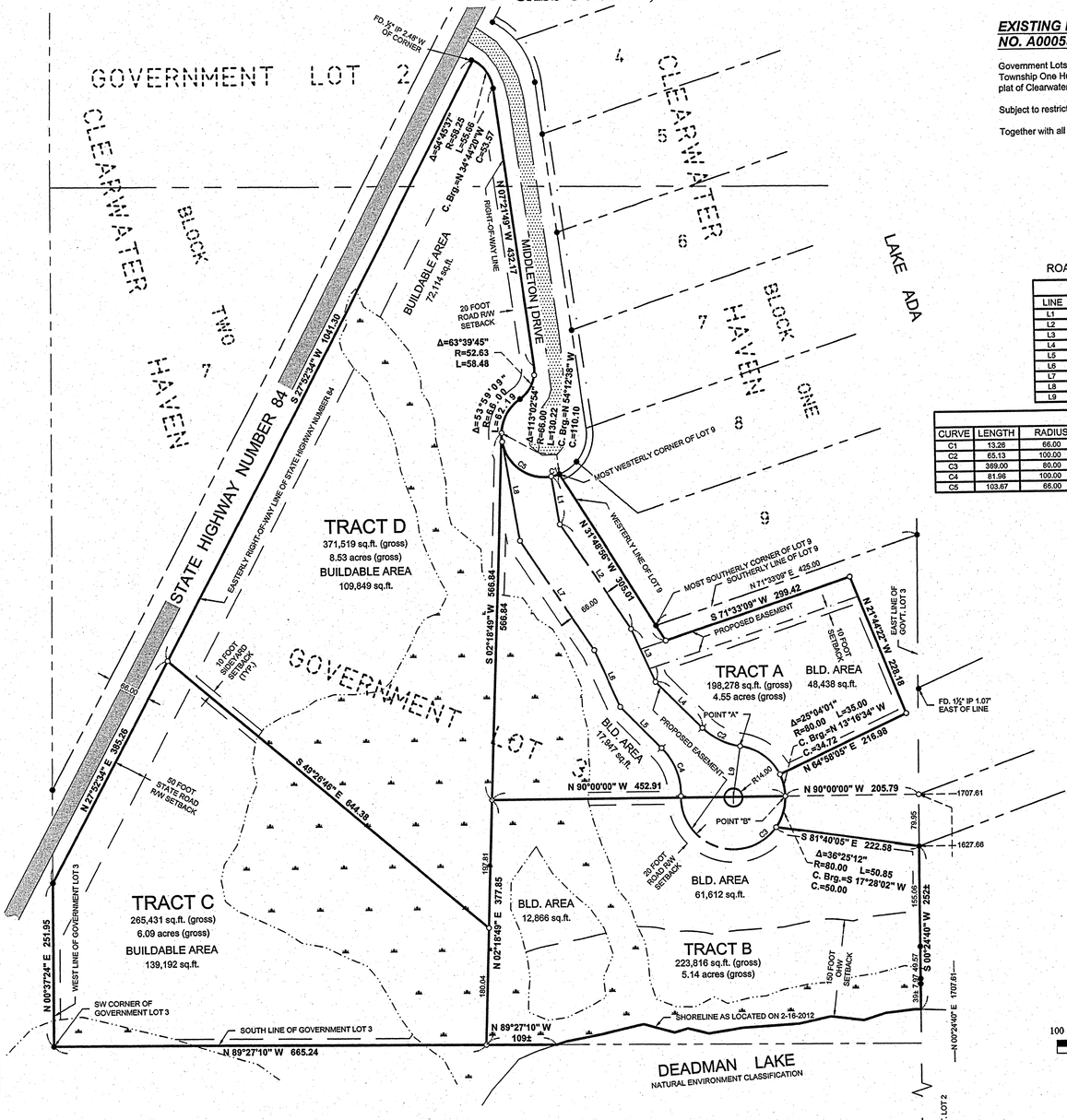
Roger Forcelle 6/5/2012 2:53 PM - F:\Drawings\2012\12005 Robbins\dwg\C12005.dwg

CERTIFICATE OF SURVEY

PART OF GOVERNMENT LOTS 2 & 3, SECTION 29, TOWNSHIP 139 NORTH, RANGE 29 WEST CASS COUNTY, MINNESOTA



ROAD EASEMENT DATA

LINE TABLE

LINE	LENGTH	BEARING
L1	75.18	S 09°13'12" E
L2	195.56	S 33°36'15" E
L3	90.27	S 24°06'57" E
L4	100.92	S 44°28'07" E
L5	90.33	N 44°28'07" W
L6	99.64	N 24°06'57" W
L7	204.35	N 33°36'15" W
L8	155.44	N 09°13'12" W
L9	80.00	S 08°12'50" W

CURVE TABLE

CURVE	LENGTH	RADIUS	CENTRAL ANGLE	CHORD BRG.	CHORD DIST.
C1	13.26	66.00	11°30'53"	S 76°01'21" W	13.24
C2	65.13	100.00	37°19'03"		
C3	369.00	80.00	264°16'44"		
C4	81.96	100.00	46°57'42"		
C5	103.67	66.00	90°00'00"	S 54°13'21" E	93.34

EXISTING LEGAL DESCRIPTION DOCUMENT NO. A000530247

Government Lots Two (2) and Three (3), Section Twenty-nine (29), Township One Hundred Thirty-nine (139), Range Twenty-nine (29), less the plat of Clearwater Haven.

Subject to restrictions, reservations, and easements, if any, of record.

Together with all hereditaments and appurtenances.

LEGEND

- DENOTES EDGE OF EXISTING BITUMINOUS
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES DELINEATED WET LAND(S)
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 44881

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE CASS COUNTY COORDINATE SYSTEM.

SCALE IN FEET: 100 0 100 200

PROPOSED BOUNDARY DESCRIPTIONS

TRACT A

That part of Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the southwest corner of Government Lot 2, Section 28, Township 139 North, Range 29 West, said county; thence North 00 degrees 24 minutes 40 seconds East, assumed bearing, along the west line of said Government Lot 2 for a distance of 1707.61 feet; thence North 90 degrees 00 minutes 00 seconds West 205.79 feet to a point hereinafter referred to as point "B"; thence continuing North 90 degrees 00 minutes 00 seconds West 452.91 feet to the point of beginning of the tract to be herein described; thence South 90 degrees 00 minutes 00 seconds East 452.91 feet to said point "B"; thence northeasterly 35.00 feet along a non-tangential curve concave to the southwest having a radius of 80.00 feet, a central angle of 25 degrees 04 minutes 01 second and a chord bearing of North 13 degrees 16 minutes 34 seconds West for a chord distance of 34.72 feet; thence North 64 degrees 58 minutes 05 seconds East not tangent to said curve 216.98 feet; thence North 21 degrees 44 minutes 22 seconds West 228.18 feet; thence South 71 degrees 33 minutes 09 seconds West 299.42 feet to the southeasterly extension of the westerly line of Lot 9, Block One, CLEARWATER HAVEN, according to the recorded plat thereof, said county; thence North 31 degrees 48 minutes 56 seconds West along said extension line and westerly line of said Lot 9 for a distance of 305.01 feet to the right-of-way line of Middleton Drive as dedicated in said plat; thence northwesterly 130.22 feet along said right-of-way line along a non-tangential curve concave to the northeast having a radius of 66.00 feet, a central angle of 113 degrees 02 minutes 54 seconds and a chord bearing of North 54 degrees 12 minutes 38 seconds West for a chord distance of 110.10 feet to the intersection with a line bearing North 02 degrees 18 minutes 49 seconds East from the point of beginning; thence South 02 degrees 18 minutes 49 seconds West 566.84 feet, more or less, to the point of beginning.

Subject to and together with an easement for ingress and egress purposes over and across Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the most Westerly corner of Lot 9, Block One, CLEARWATER HAVEN, according to the recorded plat thereof said county, thence westerly along the right-of-way line of Middleton Drive as dedicated in said plat 13.26 feet along a non-tangential curve having a radius of 66.00 feet, a central angle of 11 degrees 30 minutes 53 seconds and a chord bearing of South 75 degrees 01 minute 21 seconds West for a chord distance of 13.24 feet to the point of beginning of the easement to be herein described; thence South 09 degrees 13 minutes 12 seconds East not tangent to said curve 75.18 feet; thence South 33 degrees 36 minutes 15 seconds East 195.56 feet; thence South 24 degrees 06 minutes 57 seconds East 90.27 feet; thence South 44 degrees 28 minutes 07 seconds East 100.92 feet; thence southeasterly 65.13 feet along a tangential curve concave to the northeast having a radius of 100.00 feet and a central angle of 37 degrees 19 minutes 03 seconds to a point hereinafter referred to as point "A"; thence southeasterly, southwesterly and northerly 369.00 feet along a reverse curve concave northwesterly having a radius of 80.00 feet and a central angle of 264 degrees 16 minutes 44 seconds; thence northwesterly 81.96 feet along a reverse curve concave to the southwest having a radius of 100.00 feet and a central angle of 46 degrees 57 minutes 42 seconds; thence North 44 degrees 28 minutes 07 seconds West tangent to said last described curve 90.33 feet; thence North 24 degrees 06 minutes 57 seconds West 96.64 feet; thence North 33 degrees 36 minutes 15 seconds West 204.35 feet; thence North 09 degrees 13 minutes 12 seconds West 155.44 feet, more or less, to said right-of-way line; thence southeasterly along said right-of-way line 103.67 feet along a non-tangential curve concave to the northeast having a radius of 66.00 feet, a central angle of 90 degrees 00 minutes 00 seconds and a chord bearing of South 54 degrees 13 minutes 21 seconds East for a chord distance of 93.34 feet, more or less, to the point of beginning

EXCEPT

That part of said easement which lies within the circumference of a circle having a radius of 14.00 feet. The center of said circle is a point South 08 degrees 12 minutes 50 seconds West 80.00 feet from said point "A".

And also subject to an easement for ingress and egress purposes over and across Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the southwest corner of Government Lot 2, Section 28, Township 139 North, Range 29 West, said county; thence North 00 degrees 24 minutes 40 seconds East, assumed bearing, along the west line of said Government Lot 2 for a distance of 2079.98 feet; thence South 71 degrees 33 minutes 09 seconds West 110.00 feet to the point of beginning of the easement to be herein described; thence continuing South 71 degrees 33 minutes 09 seconds West 340.65 feet; thence South 24 degrees 06 minutes 57 seconds East 33.16 feet; thence North 71 degrees 33 minutes 09 seconds East 339.27 feet to the intersection with a line bearing South 21 degrees 44 minutes 22 seconds East from the point of beginning; thence North 21 degrees 44 minutes 22 seconds West 33.05 feet, more or less, to the point of beginning.

Subject to restrictions, reservations and easements of record.

TRACT C

That part of Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the southwest corner of Government Lot 2, Section 28, Township 139 North, Range 29 West, said county; thence North 00 degrees 24 minutes 40 seconds East, assumed bearing, along the west line of said Government Lot 2 for a distance of 1707.61 feet; thence North 90 degrees 00 minutes 00 seconds West 658.70 feet; thence South 02 degrees 18 minutes 49 seconds West 197.81 feet to the point of beginning of the tract to be herein described; thence continuing South 02 degrees 18 minutes 49 seconds West 180.04 feet to the south line of said Government Lot 3; thence North 89 degrees 27 minutes 10 seconds West along said south line 665.24 feet to the southwest corner of said Government Lot 3; thence North 00 degrees 37 minutes 24 seconds East, along the west line of said Government Lot 3 for a distance of 251.95 feet to the easterly right-of-way line of State Highway Number 84, as dedicated in the plat of CLEARWATER HAVEN, according to the recorded plat thereof, said county; thence North 27 degrees 52 minutes 34 seconds East along said right-of-way line 385.26 feet to the intersection with a line bearing North 49 degrees 26 minutes 46 seconds West from the point of beginning; thence South 49 degrees 26 minutes 46 seconds East 644.38 feet, more or less, to the point of beginning.

Subject to restrictions, reservations and easements of record.

PROPOSED BOUNDARY DESCRIPTIONS

TRACT B

That part of Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the southwest corner of Government Lot 2, Section 28, Township 139 North, Range 29 West, said county; thence North 00 degrees 24 minutes 40 seconds East, assumed bearing, along the west line of said Government Lot 2 for a distance of 1707.61 feet; thence North 90 degrees 00 minutes 00 seconds West 205.79 feet to a point hereinafter referred to as point "B"; thence continuing North 90 degrees 00 minutes 00 seconds West 452.91 feet to the point of beginning of the tract to be herein described; thence South 90 degrees 00 minutes 00 seconds East 452.91 feet to said point "B"; thence southwesterly 50.85 feet along a non-tangential curve concave to the northwest having a radius of 80.00 feet, a central angle of 36 degrees 25 minutes 12 seconds and a chord bearing of South 17 degrees 28 minutes 02 seconds West for a chord distance of 50.00 feet; thence South 81 degrees 40 minutes 05 seconds East not tangent to said curve 222.58 feet to said west line and said point being 1627.66 feet north of said southwest corner as measured along said west line; thence South 00 degrees 24 minutes 40 seconds West along said west line 252 feet, more or less, to the shoreline of Deadman Lake; thence westerly along said shoreline to the south line of said Government Lot 3; thence North 89 degrees 27 minutes 10 seconds West along said south line 109 feet, more or less, to the intersection with a line bearing South 02 degrees 18 minutes 49 seconds West from the point of beginning; thence North 02 degrees 18 minutes 49 seconds East 377.85 feet, more or less, to the point of beginning.

Subject to and together with an easement for ingress and egress purposes over and across Government Lot 3, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the most Westerly corner of Lot 9, Block One, CLEARWATER HAVEN, according to the recorded plat thereof said county, thence westerly along the right-of-way line of Middleton Drive as dedicated in said plat 13.26 feet along a non-tangential curve having a radius of 66.00 feet, a central angle of 11 degrees 30 minutes 53 seconds and a chord bearing of South 75 degrees 01 minute 21 seconds West for a chord distance of 13.24 feet to the point of beginning of the easement to be herein described; thence South 09 degrees 13 minutes 12 seconds East not tangent to said curve 75.18 feet; thence South 33 degrees 36 minutes 15 seconds East 195.56 feet; thence South 24 degrees 06 minutes 57 seconds East 90.27 feet; thence South 44 degrees 28 minutes 07 seconds East 100.92 feet; thence southeasterly 65.13 feet along a tangential curve concave to the northeast having a radius of 100.00 feet and a central angle of 37 degrees 19 minutes 03 seconds to a point hereinafter referred to as point "A"; thence southeasterly, southwesterly and northerly 369.00 feet along a reverse curve concave northwesterly having a radius of 80.00 feet and a central angle of 264 degrees 16 minutes 44 seconds; thence northwesterly 81.96 feet along a reverse curve concave to the southwest having a radius of 100.00 feet and a central angle of 46 degrees 57 minutes 42 seconds; thence North 44 degrees 28 minutes 07 seconds West tangent to said last described curve 90.33 feet; thence North 24 degrees 06 minutes 57 seconds West 96.64 feet; thence North 33 degrees 36 minutes 15 seconds West 204.35 feet; thence North 09 degrees 13 minutes 12 seconds West 155.44 feet, more or less, to said right-of-way line; thence southeasterly along said right-of-way line 103.67 feet along a non-tangential curve concave to the northeast having a radius of 66.00 feet, a central angle of 90 degrees 00 minutes 00 seconds and a chord bearing of South 54 degrees 13 minutes 21 seconds East for a chord distance of 93.34 feet, more or less, to the point of beginning

EXCEPT

That part of said easement which lies within the circumference of a circle having a radius of 14.00 feet. The center of said circle is a point South 08 degrees 12 minutes 50 seconds West 80.00 feet from said point "A".

Subject to restrictions, reservations and easements of record.

TRACT D

That part of Government Lot 3 and Government Lot 2, Section 29, Township 139 North, Range 29 West, Cass County, Minnesota, described as follows: Commencing at the southwest corner of Government Lot 2, Section 28, Township 139 North, Range 29 West, said county; thence North 00 degrees 24 minutes 40 seconds East, assumed bearing, along the west line of said Government Lot 2 for a distance of 1707.61 feet; thence North 90 degrees 00 minutes 00 seconds West 658.70 feet to the point of beginning of the tract to be herein described; thence North 02 degrees 18 minutes 49 seconds East 566.84 feet to the right-of-way line of Middleton Drive as dedicated in the plat of CLEARWATER HAVEN, according to the recorded plat thereof, said county; thence northeasterly 62.19 feet along said right-of-way line being a tangential curve concave to the southeast having a radius of 66.00 feet and a central angle of 53 degrees 59 minutes 09 seconds; thence continuing northeasterly along said right-of-way line 58.48 feet along a reverse curve concave to the northwest having a radius of 52.63 feet and a central angle of 63 degrees 39 minutes 45 seconds; thence continuing along said right-of-way line North 07 degrees 21 minutes 49 seconds West 432.17 feet; thence continuing along said right-of-way line 55.67 feet along a tangential curve concave to the southwest having a radius of 58.25 feet and a central angle of 54 degrees 45 minutes 37 seconds to the easterly right-of -way line of State Highway Number 84 as dedicated in said plat; thence South 27 degrees 52 minutes 34 seconds West along said easterly right-of-way line not tangent to said last described curve 1041.30 feet; thence South 49 degrees 26 minutes 46 seconds East 644.38 feet to the intersection with a line bearing South 02 degrees 18 minutes 49 seconds West from the point of beginning; thence North 02 degrees 18 minutes 49 seconds East 197.81 feet, more or less, to the point of beginning.

Subject to restrictions, reservations and easements of record

NOTES:

1. Zoning for subject tract = "Shoreland-Shoreland Residential".
2. Wetland delineation was completed on 3-28-2012, by Ben Meister, Certification Number 1031.
3. Parcel ID of subject parcel: 32-029-4100.
4. The MNDNR has not determined an official Ordinary High Water (O.H.W.) elevation. There for the shoreline labeled on this drawing represents an unofficial O.H.W. elevation. If the official O.H.W. is needed, please contact the MNDNR division of waters for that determination.

SEE SHEET 2 OF 2 FOR ADJACENT TRACT INFORMATION

SHEET		PROJECT MANAGER:	PROJECT No.:	DATE:
1 OF 2	CERTIFICATE OF SURVEY	CMH	12005	5-03-2012
	Grant Robbins 9432 Tyne Lane Inver Grove Heights, MN 55077	CHECKED BY: CMH	FILE NAME: C12005.dwg	SCALE: HORZ. 1"=100'
		DRAWN BY: RJF	FIELD BOOK: BOOK 412 PG. 10	VERT. NONE

REVISIONS		
DATE	DESCRIPTION	BY
5-7-2012	Revised Building Envelope for Tract A	RJF
5-31-2012	Revised Tract D Boundary Description	RJF

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.

CYNTHIA M. HIDDE PLS#44881

DATE 5/31/12 LIC. NO. 44881

STONEMARK LAND SURVEYING, INC.
30176 Old Highway #371
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Pequot Lakes, MN 56472
Phone 1-218-568-4940
www.stonemarksurvey.com

RECEIVED
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JUN 26 2012
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COUNTY SURVEYOR