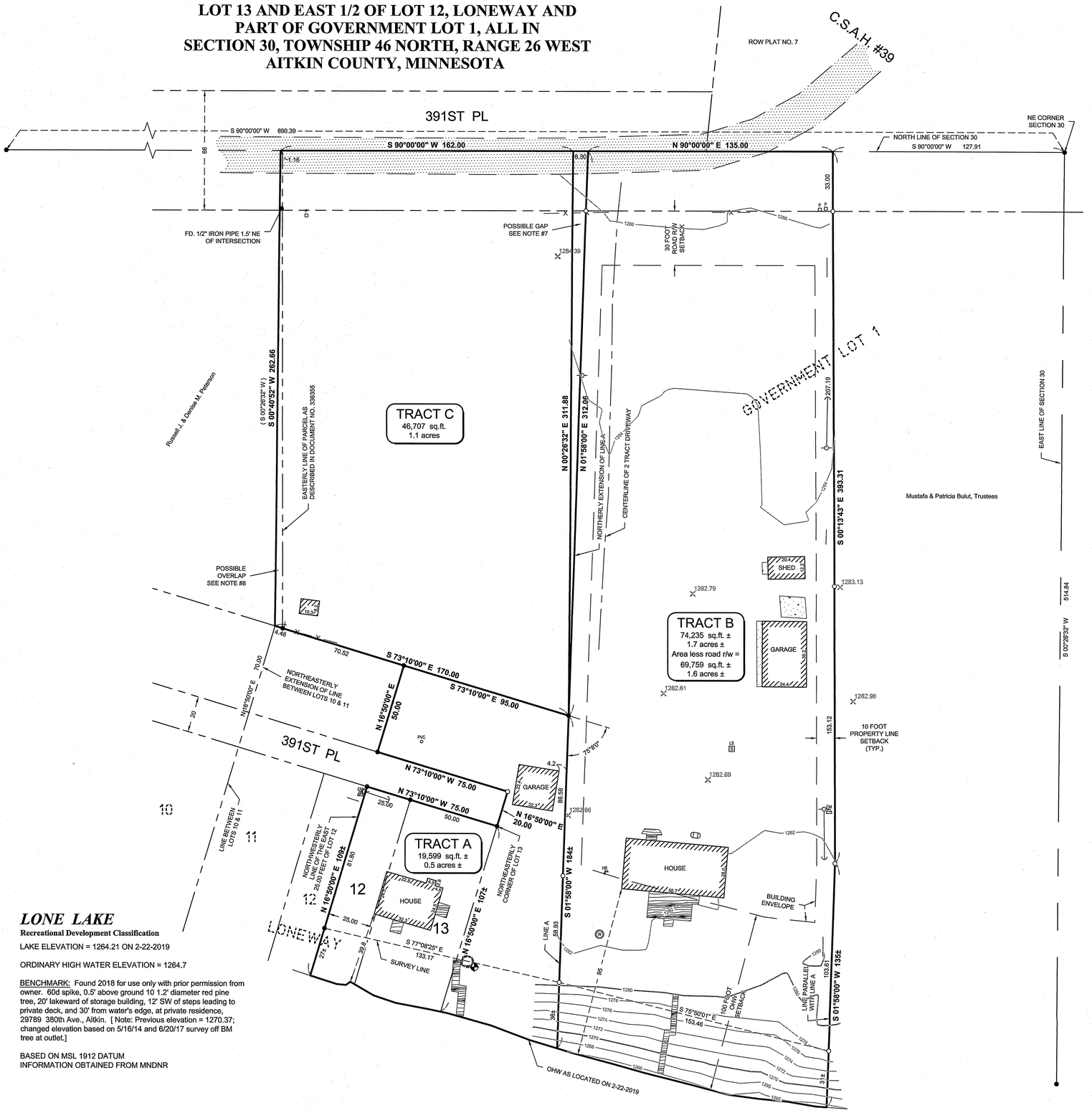
Roger Forcelle ---- - F:\Drawings\2019\19022 Lawson\C19022.dwg

CERTIFICATE OF SURVEY

LOT 13 AND EAST 1/2 OF LOT 12, LONEWAY AND PART OF GOVERNMENT LOT 1, ALL IN SECTION 30, TOWNSHIP 46 NORTH, RANGE 26 WEST AITKIN COUNTY, MINNESOTA



LONE LAKE

Recreational Development Classification

LAKE ELEVATION = 1264.21 ON 2-22-2019

ORDINARY HIGH WATER ELEVATION = 1264.7

BENCHMARK: Found 2018 for use only with prior permission from owner. 60d spike, 0.5' above ground 10 1.2' diameter red pine tree, 20' lakeward of storage building, 12' SW of steps leading to private deck, and 30' from water's edge, at private residence, 29789 380th Ave., Aitkin. [Note: Previous elevation = 1270.37; changed elevation based on 5/16/14 and 6/20/17 survey off BM tree at outlet.]

BASED ON MSL 1912 DATUM
INFORMATION OBTAINED FROM MNDNR

LEGAL DESCRIPTION PER DOCUMENT NUMBER 312203

TRACT A
All of Lot Thirteen (13) and the Easterly Twenty-five (25) feet of Lot Twelve (12) as measured at right angles to the easterly line of said Lot 12, all in said Plat of "Loneway", according to the filed and recorded plat thereof.
AND
That part of Government Lot One (1) of Section Thirty (30), Township Forty-six (46), Range Twenty-six (26) described as follows:
Beginning at the northeasterly corner of Lot Thirteen (13) in the Plat of Loneway in Government Lot 1, thence going northeasterly on a continuation of the easterly line of said Lot 13, a distance of 20 feet; thence at right angles northwesterly a distance of 75 feet, thence at right angles northeasterly a distance of 50 feet, thence at right angles southeasterly a distance of 95 feet, thence deflecting to the right an angle of 75 degrees 08 minutes and going southerly a distance of 175 feet more or less, to the shore of Lone Lake; thence going westerly along said shore line a distance of 67 feet, more or less, to the easterly line of said above Lot 13, thence going northeasterly on the easterly line of said Lot 13 a distance of 132 feet, more or less, to the point of beginning.

AITKIN COUNTY, MINNESOTA (Abstract)

together with all heredirnents and appurtenances belonging thereto, subject to the following exceptions:
Subject to easements, reservations and restrictions of record, if any.

LEGAL DESCRIPTION PER DOCUMENT NUMBER 390507

TRACT B
That part of Government Lot One (1), Section Thirty (30), Township Forty-six (46), Range Twenty-six (26), described as follows: Beginning at the northeasterly corner of Lot 13, In the Plat of Loneway in Government Lot 1, thence going Northeasterly on a continuation of the easterly line of said Lot 13, a distance of 20 feet; thence at right angles Northwesterly a distance of 75 feet; thence at right angles Northeasterly a distance of 50 feet; thence at right angles Southeasterly a distance of 95 feet; thence deflecting to the right an angle of 75 degrees 08 minutes and going Southerly a distance of 175 feet more or less to the shore of Lone Lake the actual point of beginning of the tract to be described (said last described course being hereby designated as Line A); thence Northerly along said Line A and its extension northerly to the north line of said Government Lot 1; thence East along said north line a distance of 135.00 feet; thence South 0 degrees 13 minutes 43 seconds East a distance of 393.31 feet; thence South parallel with said Line A to the shore line of Lone Lake; thence Westerly along said shore line to the actual point of beginning.
Aitkin County, Minnesota
(Abstract)

together with all heredirnents and appurtenances belonging thereto, subject to the following exceptions:
reservations, restrictions and easements of record, if any.

LEGAL DESCRIPTION PER DOCUMENT NUMBER 326998

TRACT C
That part of Government Lot One (1), Section Thirty (30), Township Forty-six (46), Range Twenty-six (26), described as follows:

Beginning at the Northeasterly corner of Lot Thirteen (13), in the plat of "Loneway" in said Government Lot One (1); Thence going Northeasterly on a continuation of the Easterly line of said Lot Thirteen (13) a distance of Twenty (20) feet;
Thence at right angles Northwesterly a distance of Seventy-five (75) feet;
Thence at right angles Northeasterly a distance of Fifty (50) feet;

NOTES:

1. Contour interval as shown = 2 foot. Based on NGVD 29 datum. Contours shown on Tract B have been obtained using standard survey topographic methodologies. Field located on 3-21-2019.
2. Zoning for subject tract = "Shoreland".
3. There are no bluffs or wet lands within surveyed property.
4. Parcel IDs of subject parcels: 24-1-073800, 24-1-073900, 24-0-056900, 24-0-056501 and 24-0-056503 .
5. The property address of subject parcel: 29901 391st Pl & 29982 391ST Pl.
6. There was a snow depth of 2± feet when survey crew collected topographic data. Therefore, some physical features covered by snow may not have been identified. Only visible topographic features, improvements, and utilities were located. Site verification in spring when the snow cover is gone is recommended.
7. The descriptions of record for Tracts B & C consists of two descriptions which were intended to abut each other. However, several discrepancies and ambiguities in the record descriptions do not allow for mathematical closure between said Tracts causing a gap between said Tracts. Legal counsel is advised to address this title issue.
8. The description of record for the west line of Tract C and the east line of the tract to the west of said Tract C were intended to abut each other. However, several discrepancies and ambiguities in the record descriptions do not allow for mathematical closure between said Tracts causing the two Tracts to overlap one another. Legal counsel is advised to address this title issue.

IMPERVIOUS CALCULATIONS

EXISTING TRACT B	IMPERVIOUS AREA (sq.ft.)	Net Area (sq.ft)	Percent Impervious (sq.ft)
House	1,590	69,759	2.3%
Garage	884	69,759	1.3%
Shed	249	69,759	0.4%
Decks	440	69,759	0.6%
Concrete	293	69,759	0.4%
Driveway	2,426	69,759	3.5%
Total	**5,882**	**69,759**	**8.4%**

SCALE IN FEET

LEGEND

- — X — X — DENOTES EXISTING FENCE LINE
- DENOTES EDGE OF EXISTING GRAVEL
- DENOTES EDGE OF EXISTING WOODEN DECKING
- DENOTES EDGE OF EXISTING CONCRETE
- 1208 — DENOTES EXISTING INTERMEDIATE CONTOURS
- 1210 — DENOTES EXISTING INDEX CONTOURS
- X 1234.5 DENOTES SPOT ELEVATION (EXISTING GRADE)
- DENOTES EXISTING UTILITY POLE W/ GUY WIRE
- DENOTES EXISTING ELECTRIC METER
- DENOTES EXISTING LP TANK
- DENOTES EXISTING PHONE PEDESTAL & PHONE BOX
- DENOTES EXISTING HOSE BIB
- DENOTES EXISTING SEPTIC VENT, SEPTIC CLEANOUT, & SEPTIC TANK LID
- DENOTES EXISTING SEPTIC LIFT STATION
- **BENCHMARK:** 3/8" REBAR IN SW FACE OF 36" WHITE PINE ELEV. = 1282.71
- (123.45) DENOTES PLAT AND/OR DEEDED MEASURE
- DENOTES MONUMENT FOUND
- DENOTES IRON MONUMENT SET MARKED BY LICENSE No. 44881

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON THE NORTH LINE OF SECTION 30 TO HAVE AN ASSUMED BEARING OF S 90°00'00" W.

SHEET	CERTIFICATE OF SURVEY	PROJECT MANAGER:	PROJECT No.:	DATE:
1 OF 1	Bob Lawson 3307 Katie Lane Arden Hills, MN 55112	CMH	19022	4-4-2019
		CHECKED BY:	FILE NAME:	SCALE:
		CMH	C19022.dwg	HORZ. 1"=30'
		DRAWN BY:	FIELD BOOK:	
		RJF	BOOK 452 PG. 56	VERT. NONE

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.

Cynthia M. Hidde

CYNTHIA M. HIDDE PLS#44881

DATE 4-4-19 LIC. NO. 44881

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