

Aitkin County Holding Tank Design ~~Back Log~~

Property Owner: Jessica Hedalen Date: 5/20/2021 Cell: _____
 Mailing Address: 704 Brooview Ln. SE Home Phone #: _____
 City: Isanti State: MN Zip: 55040
 Site Address: 32463 435th Ln. Parcel Number: 07-1-096700
 City: Palisade Mn State: MN Zip: 56469
 Driving Directions if no address issued : _____

Legal Description : Pt of Gov Lot 2 Tract E
 Sec: 17 Twp.: 48 Range : 25 Twp. Name : Fleming
 Lake / River : Gun Lake / River Classification : RD

FLOW DATA
 Number of Bedrooms : 2
 Dwelling Classification : I
 System Type : II
 Gallons per Day (GPD) : 300

Estimated Flow in Gallons per Day (GPD)

Bedrooms	Class I	Class II	Class III
2	300	225	180
3	450	300	218
4	600	375	256
5	750	450	294
6	900	525	332
7	1050	600	370
8	1200	675	408

WELLS
 Deep Well : Existing Deep
 Shallow Well : None

Wells to be sealed (if Applicable) ? _____

SETBACKS
 Tank(s) to Well : 55' Drainfield to Well : NA Sewer Line to Well : _____
 Tank(s) to House : 15' Drainfield to House : NA Air Test NO
 Tank(s) to Property Line : +50' Drainfield to Property Line : NA

Additional System Notes and Information: _____

Low lot, no Type I soils, Holding tank for a camper, Must meet 50' setback from deep well
OHW is 1214.4' Lake Elv. On 5/20/2021 1214.1' There is no 100 yr flood elv. For Gun Lake

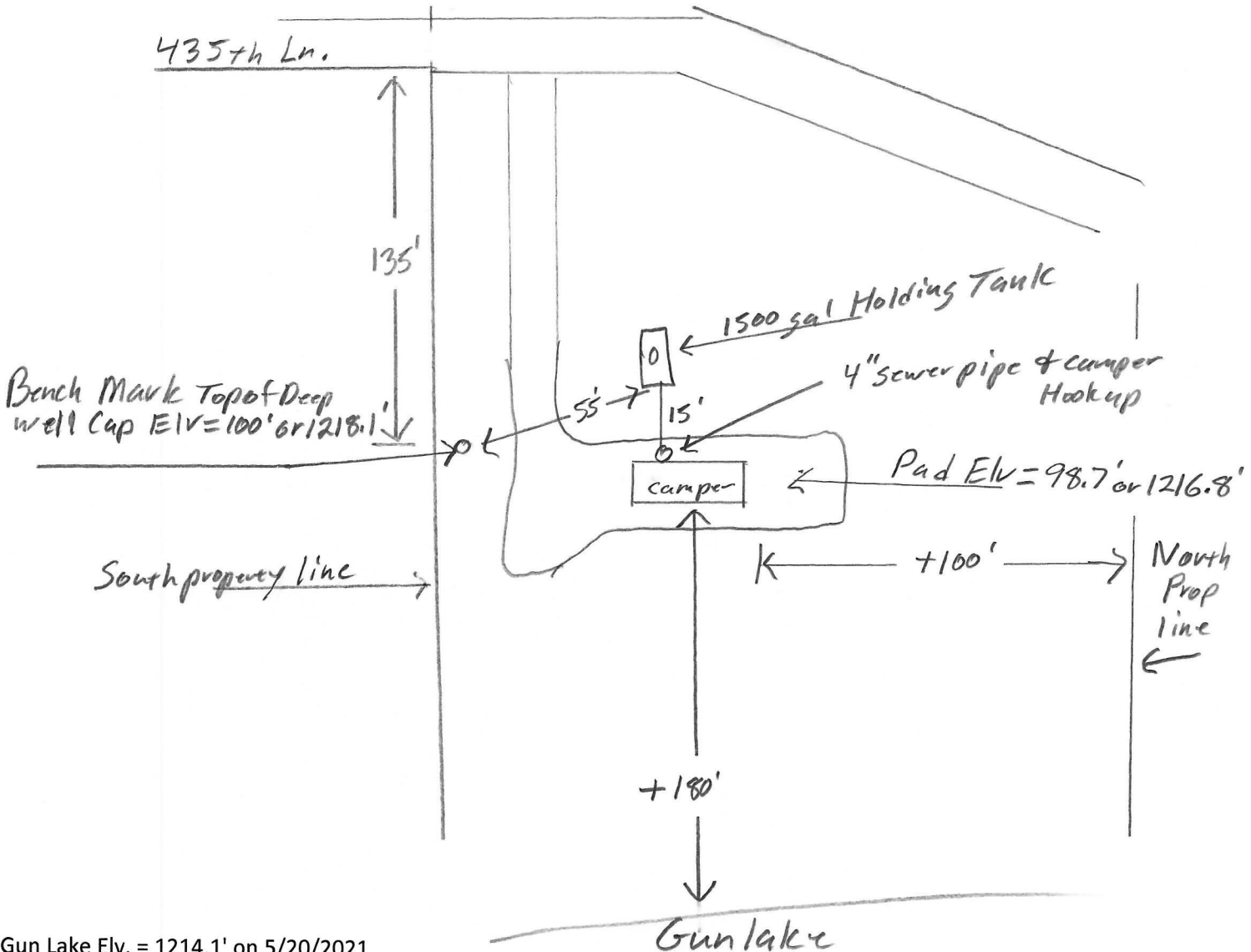
Designer Name : Jeff Brummer License Number : L-1347
 Address : 7450 Burr Ln. City : Brainerd State : MN
 Zip Code : 56401 Home Phone # : _____ Cell: 218-821-0704
 E-Mail Address : brummerseptic@gmail.com

Designer Signature :  Date: 5/20/2021

Aitkin County { Holding Tank Design }

Property Owner: Jessica Hedalen Date: 5/20/21 Designer's Initials: JB
 One Inch = 40 ft.

North 



Gun Lake Elv. = 1214.1' on 5/20/2021

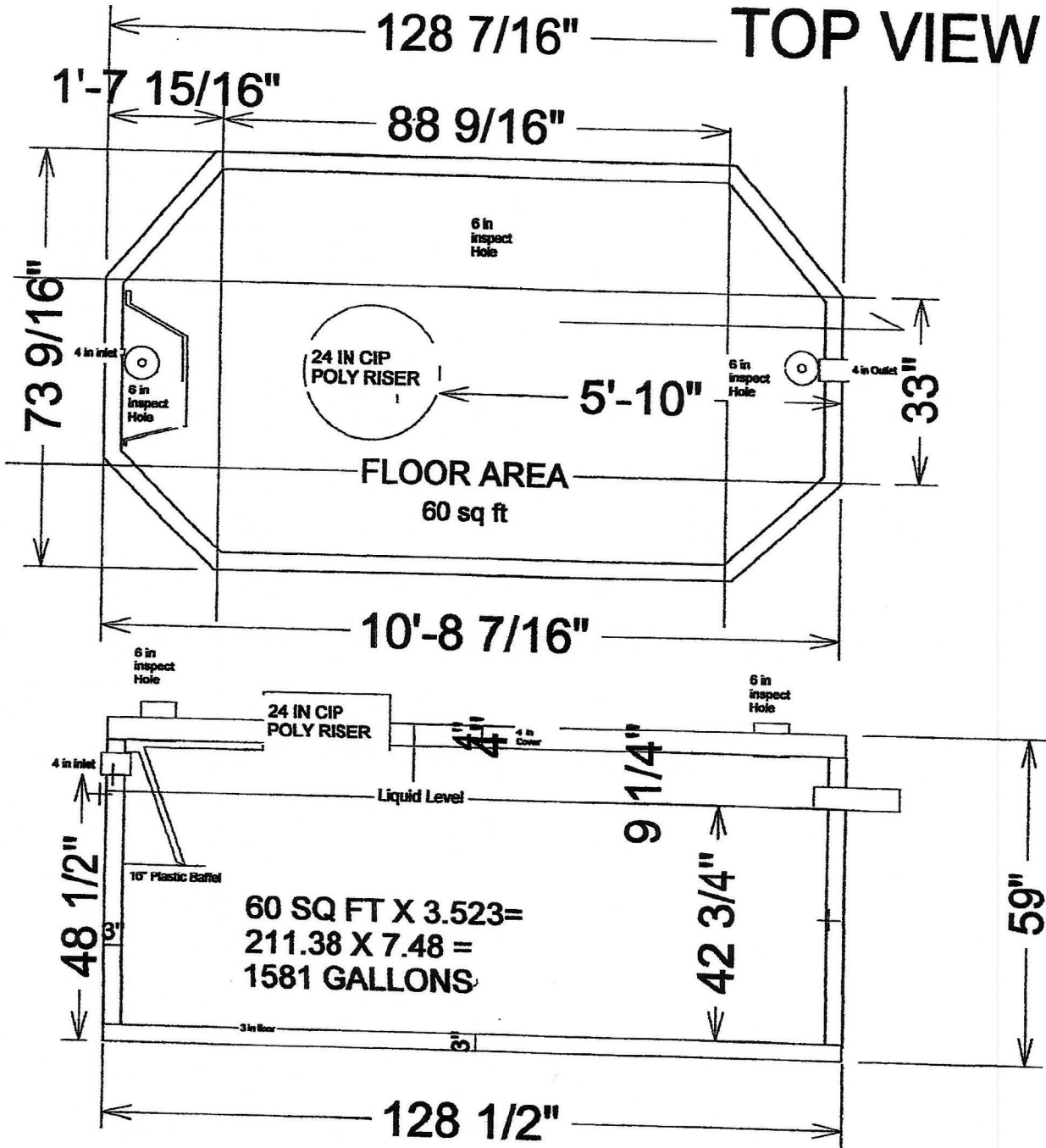
Please show all that apply (Existing or Proposed): Please Draw to Scale with North to Top or Left Side of Page:

Wells within 100ft. Of Drain field.	Disturbed/Compacted Areas	Access Route for Tank Maintenance
Water lines within 10 ft. of Drain field.	Component Location	Property Lines
Drain field Areas:	OHW ordinary high water	Structures
	Lot Easements	Setbacks

Elevations : Benchmark Elevation:	EIV = 100' Top of Deep Well Cap or 1218.1'
Proposed Holding tank grade Elv. = 98.1' or 1216.2'	Grade at Deep Well Elv. = 98.1' or 1216.2'
Estimated Holding tank inlet Elv. = 97'	Raise manhole to Elv. = 1217'
Top of Camper pad Elv. = 98.7' or 1216.8'	

Page: Of

1500H Holding Tank



35.08 gallons per. inch

SIDE VIEW

Drawings Owned BY Jacobson Precast, LLC
36641 HWY 169, Aitkin, Mn 56431

Do not copy drawings without permission of the Owner



DNR RESPONSE TO COVID-19: For details on adjustments to DNR services, [visit this webpage \(https://www.dnr.state.mn.us/covid-19.html\)](https://www.dnr.state.mn.us/covid-19.html). For information on the state's response, visit the [Minnesota COVID response webpage \(https://mn.gov/covid19/\)](https://mn.gov/covid19/).

Gun - 01009900
Aitkin County

Water Level Data

Period of record: 06/21/1978 to 05/15/2021

of readings: 558

Highest recorded: 1215.18 ft (07/15/2016)

Lowest recorded: 1213.06 ft (01/07/1981)

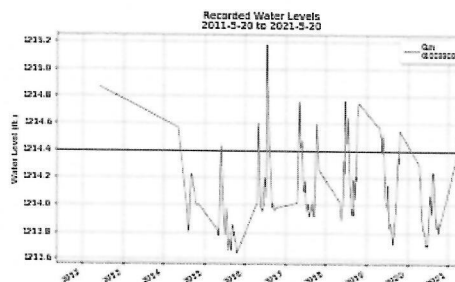
Recorded range: 2.12 ft

Last reading: 1214.12 ft (05/15/2021)

Ordinary High Water Level (OHW) (/waters/surfacewater_section/hydrographics/ohw.html) elevation: 1214.4 ft

Datum: NGVD 29 (ft)

Download lake level data as: [dBase (https://files.dnr.state.mn.us/cgi-bin/lk_levels_dump.cgi?format=dbf&id=01009900)] [ASCII (https://files.dnr.state.mn.us/cgi-bin/lk_levels_dump.cgi?format=csv&id=01009900)] (If you have trouble try right clicking on the appropriate link and choosing the "Save ... As" option.)



(https://maps1.dnr.state.mn.us/cgi-bin/lakesdb/hydrograph.cgi.py?basins=01009900:Gun&startdate=2011-5-20&enddate=2021-5-20&&hydrograph_type=time_series&show_ohwl=1&show_legend=1&output_format=png&width=780&height=440)

Last 10 years of data, click to enlarge.

Benchmarks

Elevation: 1217.05 ft

Datum: NGVD 29 (ft)

Date Set: 05/09/1994

Location: T48R25S9

Description: At lake gauge located at the end of long narrow point on the north side of lake, a 5/16" bolt in the southwest side of wooden light pole about 150' northwest of readers cabin.

Elevation: 1218.48 ft

Datum: NGVD 29 (ft)

Date Set: 05/07/2014

Location: T48R25S20

Description: Found 2020. 60d spike, 0.9' above ground in North side of a twin 1.1' diameter ash tree, 50' SW of concrete boat ramp at edge of gravel turnaround, at Public Access, 32903 427th Ln, off 328th Ave, Palisade. Tied in 7/30/14.

Questions?

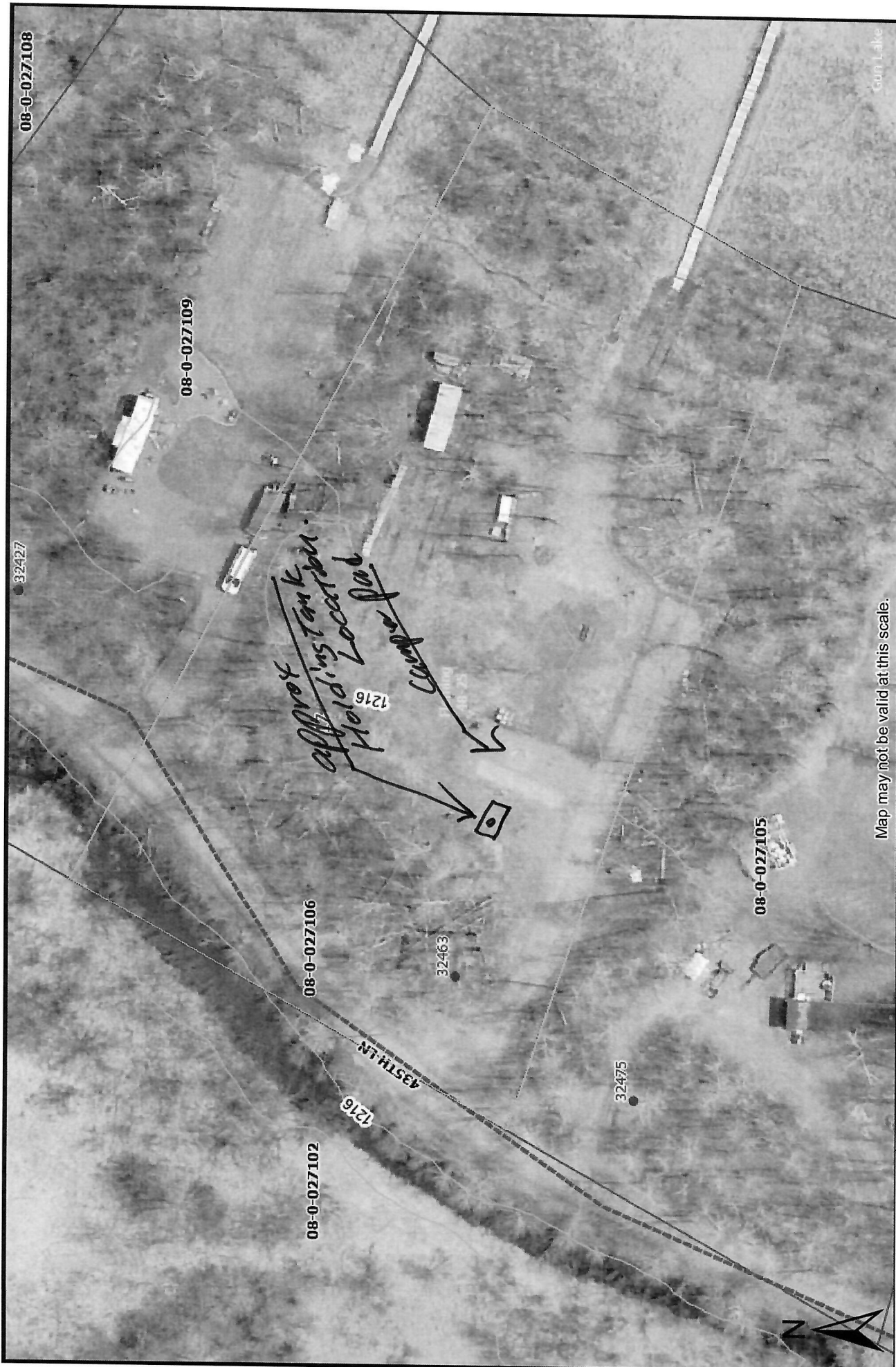
Call 651-296-6157 or 888-MINNDNR (646-6367)

Email us: info.dnr@state.mn.us

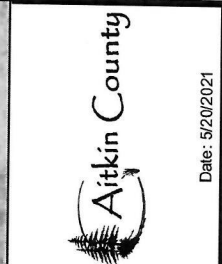
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Map may not be valid at this scale.



Date: 5/20/2021

Hedalen

1:924

0 25 50 ft

1 inch = 77 feet

These data are provided on an "AS-IS" basis, without warranty of any type, expressed or implied, including but not limited to any warranty as to their performance, merchantability, or fitness for any particular purpose.