Preliminary & Field Evaluation Form

		Owne	r Information		
Date 9/28/20)21		Sec / Twp / Rng	S-15, T-48, R	25
Parcel ID 08-0-02	23200		LUG (county, city, township)	Aitkin Co.	-25
Property Owner: Donald	Johnson		Owners address (if different)	Alkiii Co.	
Property Address: Near Ju	uction of 439th L	n and 308th Pi	ŕ	h Di	
THE WAY IN	le MN 56469				
**************************************			Palisade M	N 56469	
	Flow I	nformation -	- J XX7 / FR		
		normation a	and Waste Type / Strengt	h	
Estimated Design flow	450		Anticipated Waste strength	Hi Strength	✓ Domestic
Comments: 3 Gravity Tre	nches		Any Non-Domestic Waste	Yes (class V)	✓ No
Keep tank as high as	possible.		Sewage ejector/grinder pump	☐ Yes	✓ No
			Water softener	☐ Yes	
			Garbage Disposal	_	☑ No
				☐ Yes	☑ No
			Daycare / In home business	Yes	☑ No
		Site I	nformation		
Existing & proposed lot mprovements located (see significant see significant	Yes te map)	✓ No	Well casing depth	Proposed deep	weil
asements on lot located	Yes	✓ No	Drainfield w/in 100' of	Yes	✓ No
see site map)			residential well		
	✓ Yes Surveyed	□ No	residential well Site w/in 200' of transient noncommunity water supply (T)	☐ Yes NCWS)	☑ No
roperty lines determined		□ No	Site w/in 200' of transient		✓ No ✓ No
roperty lines determined see site map) eq'd setbacks determined	Surveyed	□ No	Site w/in 200' of transient noncommunity water supply (To Site w/in an inner wellhead	NCWS)	
roperty lines determined ree site map) eq'd setbacks determined ree site map) tilities located & identified	Surveyed Yes	□ No □ No	Site w/in 200' of transient noncommunity water supply (The Site w/in an inner wellhead mgmt zone (CWS/NTNCWS) Buried water supply pipe	NCWS)	✓ No
roperty lines determined see site map) eq'd setbacks determined ee site map) tilities located & identified sopher state one call) ccess for system maintenanchown on site map) bil treatment area protected	Surveyed Yes Yes	□ No □ No □ No	Site w/in 200' of transient noncommunity water supply (To Site w/in an inner wellhead mgmt zone (CWS/NTNCWS) Buried water supply pipe w/in 50' of system Site located in Shoreland	NCWS) Yes Yes	✓ No ✓ No
roperty lines determined see site map) eq'd setbacks determined see site map) fillities located & identified sopher state one call) ccess for system maintenanchown on site map)	Surveyed Yes Yes Yes	□ No □ No □ No	Site w/in 200' of transient noncommunity water supply (To Site w/in an inner wellhead mgmt zone (CWS/NTNCWS) Buried water supply pipe w/in 50' of system Site located in Shoreland (w/in 1000' of lake, 300' of river) Site map prepared with	Yes Yes Yes	✓ No ✓ No ☐ No

			Soil Information		
Original soils	✓ Yes	□ No	Evidence of site: Cut Filled Compacted Disturbed	Yes Yes Yes Yes	✓ No ✓ No ✓ No ✓ No
Soil logs completed and attached	✓ Yes	☐ No	Perk test completed and attached (if applicable)	☐ Yes	✓ No
Soil loading rate (gpd/ft²)	0.78	_	Percolation rate (if applicable)		_
Depth/elev to SHWT Depth to system bottom	84"		Flooding or run-on potential (comments)	Yes	✓ No
maximum (or elev minimum) Depth/elev to standing water (if applicable)			Flood elevation (if applicable)	NA	,
Depth/elev to bedrock (if applicable)	¥	-	Elevation of ordinary high water level (if applicable)		_
Soil Survey information determined (see attachment)	✓ Yes	☐ No	Floodplain designation and elev - 100 yr/10 yr (if applicable)		- v
Differences between soil survey and field evaluation (if applicable)			×		

I hereby certify this evaluation was completed in a		
Mammu	Brummer Septic LLC.	L-1347
Designer My of are	Company	License #

Soil Observation Log

www.SepticResource.com vers 12.4 **Owner Information** Property Owner / project: Donald Johnson Date 9/28/2021 Near Juction of 439th Ln & 308th PL. Property Address / PID: **Soil Survey Information** refer to attached soil survey Parent matl's: 고메 Outwash ☐ Lacustrine ☐ Alluvium Organic Bedrock landscape position: ☐ Summit ☐ Shoulder ✓ Side slope ☐ Toe slope soil survey map units: 204B & 204E slope 3 % direction- East Soil Log #1 ✓ Boring Pit Elevation 98.2' Depth to SHWT 84" Depth (in) Texture fragment % matrix color redox color consistence grade shape Topsoil 0 - 4 <35 10YR3/2 Loose Sandy Loam Loose Granular 4 - 16 Sandy Loam <35 10YR4/4 Loose Loose Granular 16 - 56 Med Sand <35 7.5YR4/4 Loose Loose Granular 56 - 84 Med Sand <35 10YR5/4 Loose Loose Granular Comments: Soil Bore 1,2,3 are for proposed new trench system (Soil Bore 4 & 5 are for Alternate Site to the East)

Near Juct	ion of 439th Ln	& 308th PL.		Soil Log #2		n == ==	
		Boring [Pit Elevation		Depth to SHW	T 84"	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	— chana
0 - 4	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Shape
4 - 17	Sandy Loam	<35	10YR4/4		Loose	Loose	Granular
17 - 56	Med Sand	<35	7.5YR4/4		Loose	Loose	Granular
56 - 84	Med Sand	<35	10YR5/4		Loose	Loose	Granular
Near Juctio	on of 439th Ln &	308th PL.	S	oil Log #3			
	✓ Bo						
Depth (in)	Texture	fragment %	matrix color	redox color	Depth to SHWT consistence		-x
0 - 4	Topsoil Sandy Loam	<35	10YR3/2	TOUGH COIG	Loose	grade	shape Granular
4 - 16	Sandy Loam	<35 ₁	1 0Y R4/4		Loose	Loose	Granular
16 - 53	Med Sand	<35	7.5YR4/4		Loose	Loose	Granular
53 - 84	Med Sand	<35	10YR5/4		Loose	Loose	Granular

A process in accordance with why 7000 and any local req	I hereby certify this work was	completed in accordance with MN 7080 and any local req'
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Designer Standure

Brummer Septic LLC.	
Company	

L-1347

License #

Near Juci	ion of 439th Ln	& 308th PL.	Soil Log	#4 Alternate S	Site		
		Boring	Pit Elevation	94.6'	Depth to SHW	T 32"	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence		
0 - 4	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Shape
4 - 16	Sandy Loam	<35	10YR4/4		Loose	Loose	Granular
16 - 32	Med Sand	<35	7.5YR4/4		Loose	Loose	Granular
32				Hit a Rock			
NT T							
Near Jucin	on of 439th Ln &			#5 Alternate S	ite	To a second	
D 4 (1)		oring Pit	Elevation	94.8'	Depth to SHWT	24"	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 4	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
4 - 24	Loam	<35	10YR5/4		Loose	Loose	Granular
24 - 26	Loam	<35	10YR5/4	7.5YR5/6	Loose	Loose	Granular
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

I hereby certify this work was completed in accordance	ce with MN 7080 and any local reg's.	
Design Spragure	Brummer Septic LLC. Company	L-1347 License #

version 3.2

Gravity Trenches Design

contact Troy Johnson at www.SepticResource.com for questions or comments

(includes pump to gravity)

	Dren anti- O	
ı	Property Owner:	Donald Johnson Date: 9/28/2021
ı	Site Address:	Near Jct of 439th Ln & 308th Pl PID: 08-0-023200
	Comments:	Gravity flow from house to septic tank. No Lift
ı		
l	instructions:	= req'd input = input or default = calculated field *** = installer info
1)	3 bedroom	Type ! Residential System
2)	450 GPD design flo	ow .
3)	No Garbage dispo	osal or pumped to septic
4)	*** 1000 Gallon septic	tank (minimum) Tank options: none
5)	2010/09/04/06	oading Rate 577 ft ² area req'd, or 462 ft ² LUG minimum / final amt
ı		soil boring log)
6)	3 desired # of 3'	8 (12" rock under pipe) = 462 sq ft./3 trenches = 51.3 lin ft. wide trenches, leads to 51.3 ft. Long trenches (avg) Use 52 ft of trench
		wide trenches, leads to 51.3 ft. Long trenches (avg) Use 52 ft of trench or 154 lineal ft (total)
7)	84 inches, or	7.00 ft. to Redox or other limiting condition (This must match the soil boring log)
8)	36 inches, or	3.00 ft. of vertical separation required
	leads to botto	m of rock no more than:
9)	*** 48 inches, or	4.0 ft. Below existing grade CRITICAL FOR FUTURE CERTIFICATIONS!!!
10)	12 inches of rock	below the pipe
11)	Overall Dimensions:	Use 52 ft of trench. 3 Trenches 3 ft. wide by 51.3 ft. Long
		or 154 lineal ft (total)
12)	*** Rock materials: 9 ft. by 51.3	
	9 It. by 51.3	ft. by 18 inches total, plus 20% gives 31 yd³ or *1.4= 43 ton

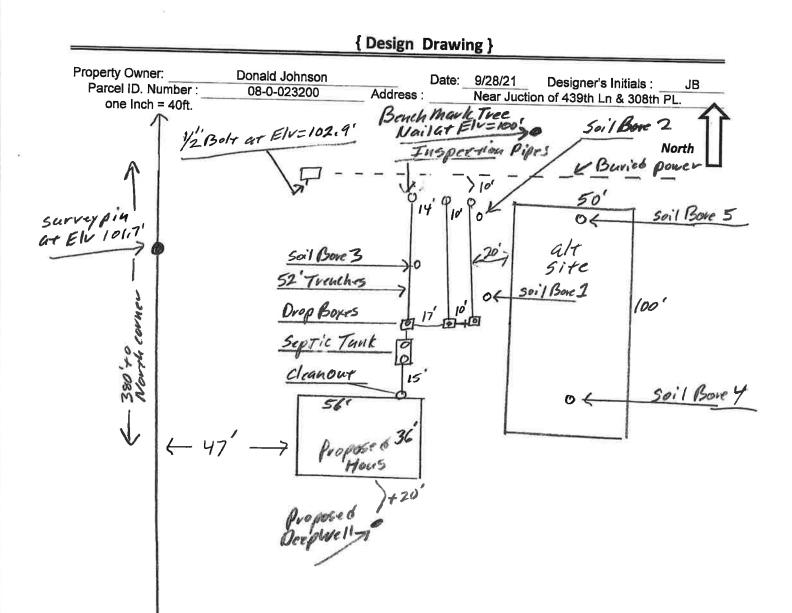
. 01	pump to gravity systems:			
13)	4 doses per day	(4 minimum)		
4)	0 gallons per dose	e (treatment volume)		
5) ***	0 feet of	2.0 inch supply line lead		inback volume anifold to control drainback)
6)	0 gallons TOTAL p	oump out volume (treatment + c	drainback)	amota to control dramback)
7)	0 feet vertical lift	t from pump to highest trench,	leads to a	
8) ***	0 GPM @ (10-45 gpm)	0 feet of head, Pump red		
9) ***	0 gal Dose tank (n	ninimum)	at 25.00 gpi	
0) ***	0.0 inch swing on D (<100% of des	emand float, or Timed dosing sign flow requires a larger OFF t		(confirm rate with drawdown test and adjust as necessary)
1)	12 inches from bot	tom of tank to "pump OFF" float	t, and/or to cover pump	
2) ***	0 inches from bot	tom of tank to "pump ON" float,	or 0 inches to "tin	er ON" float
3)	0 inches from bot	tom of tank to "Hi Level" float	(add 5-15 inches if Time Do	osed)
4)	0 gallons reserve	capacity (after High Level Alar	m is activated)	
l he	reby certify that I have con	onleted this work in accordance		
2.115		npleted this work in accordance	with all applicable ordina	nces, rules and laws.
Her	1/1//hamen	Brummer Septic LLC.	L-1347	9/28/2021
Des	icultant History	Company	License#	Date

Installer Summary

1000 gallon Septic tank (minimum) none
3 Trenches 3.0 ft. wide by 51.3 ft. Long (avg) or 154 lineal ft (total)
No Effluent filter & alarm
Bottom of rock no more than: 48 inches, or 4.0 ft. Below existing grade
12 inches of rock below the pipe
Rock materials: 31 yd³ or *1.4= 43 ton
For pump to gravity systems: 0 gallon Dose tank (minimum) at approximately 25.00 gpi 0 GPM @ 0 ft. of head, Pump required
(pump curve CAN NOT exceed 45 gpm at this elevation)
0.0 inch swing on Demand float or ##### minutes ON time & ##### hours OFF time
0 inches from bottom of tank to "pump ON" float, or 0 inches to "timer ON" float inches from bottom of tank to "Hi Level Alarm" float
0 ft. of 2.0 inch supply line

INSPECTOR CHECKLIST - gravity trenches

	WELL setbacks:	20' to pressure tested sewer line		
	PROPERTY LINES setback	50' to everything 100' to dis	persal area with shallov	w well
	Road setback:	outer ditch, or 33' from center of	ownship road or 65' fro	om center of enty road
	LAKE / BLUFF setback:	20' for bluff. Lakes: gen 50', rec	'5', nat 150'. Protecte	d wetland 50'
	Building setbacks:	10 for everything, 20 for dispersa	l area.	a wedana 50.
	WATER LINE under pressur	10' to bed, tank & sewer line.		
	Sewer line & baffle connec	tion (no 90's, 3' between 45's, slo	De of 1/8"/ft or 1" in 8	' or 1' in 94'
	(no depth reds, cle	an out every 100', Sch 40 D2665 or	F891)	
Ы	Septic tank and risers (wa mfg	ter tight, insulated, proper depth, 1 1000 gallons none	existing verified by pum	ping)
	Riser over outlet, riser over	er inlet, 6"+ inspection pipe over a	ny remaining baffles.	—
	No effluent filter & ala	·m		
	FOR PUMP TO GRAVITY:			
	mfg	piping (water tight, insulated, pro	per depth, drainback)	
	5	0 gallons		
	dose pump	gpm		UMP CURVE
		-	head)	
	float setting drop	inches		
	Cam lock ween hol	equirements and drawdown on rise	or panel	
	cam tock, weep not	e, supply line access (no hard 90,	pipes reachable from gi	rade)
	splice box / control	panel / electrical connections		
	END PUMP TO GRAVITY.			
	supply pipe sloped 1/8"+,	upported by sch40 sleeve, and bur	ied 6"+.	
	2 Transh 21 11			
	3Trenches 3' wide	51 feet long		
		or <u>153.9</u> total lineal feet		
	Rock depth below pipe	12 inches		
	Rock bottom elevation	40.0		
ш	rock portoil elevation	48.0 inches from Grade to botto	m of rock (max)	
	cover depth of 12"+	VERIFY		
	411 4			
	4" inspection pipe to bottor	of rock, anchored VERIFY		
	Abandon existing system if	necessary		
	monitoring plan and type	•		



top of Survey Pin SW of Power Transformer Elv. = 101.7' 1/2 " bolt on South side of Power transformer Elv. = 102.9'

	Surface/ SHWT	Nail on Tree= Bench Mark 100'			Existing Grade / Bottom of Trench		
Soil Bore 1	98.2' / 84"	Bench Mark	100'		1st S= 99.5' N= 100.5' / bottom 97.5'		
Soil Bore 2		Ground Elv. BM	99.6'		2nd S= 99' N= 100.2' / bottom 97'		
Soil Bore 3		Ground Elv. Tank			3rd S= 98.7' N= 99.8' / bottom 96.8'		
	Pad at	Proposed house	102.8	Pad	Try keep inlet above Elv. = 99.5'		

Please show all that apply (Existing)

Wells within 100ft. Of Drain field.

Water lines within 10 ft. of Drain field.

Disturbed/Compacted Areas

Component Location

Drain field Areas:

OHW ordinary high water

Lot Easements

Please Draw to Scale with North to Top or Left Side of Page:

Access Route for Tank Maintenance

Property Lines

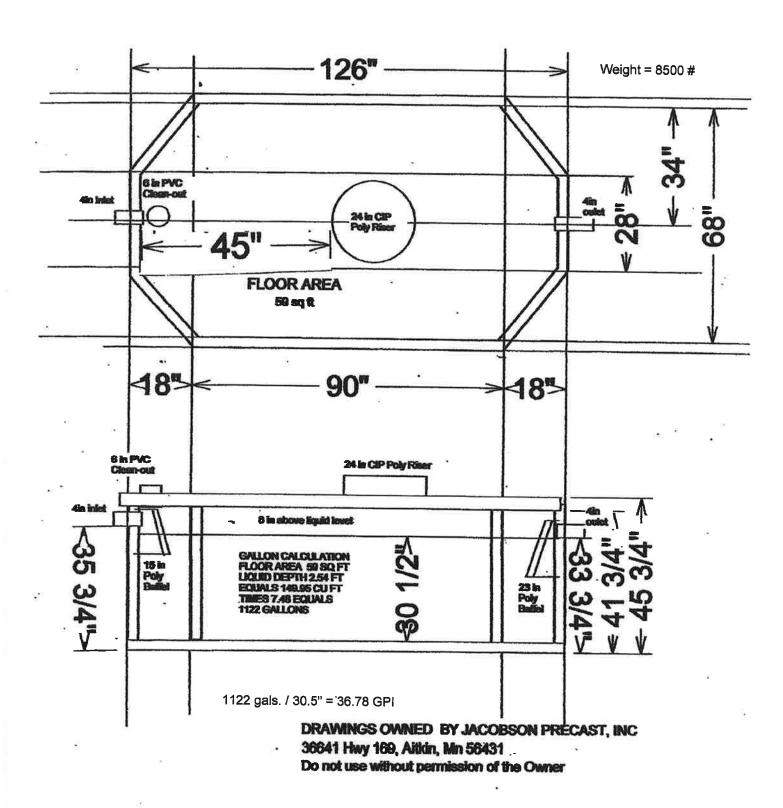
Structures

Setbacks

Gravity Trenchesd Design Notes - Aitkin county

۲	Donald Johnson	Date): 	9/28/2021			
	Site Address: Near Jct of 439th Ln & 308	8th Pi PiD	 0: 08	B-0-023200			
	Comments:	Type I Gravity Trenches/ 3					
		Type I Gravity Treffches/ 3	Deal	room			
1	This is a type I Gravity Trenches for a propo	osed 3 bedroom House.					
	Soil separation is at 84" with a East slope of across trench area.						
	There is a slight rise in elevation from south	ere is a slight rise in elevation from south ends of trenches to the North ends. Ave 8'					
2	Proposed deep well (South side of house)	roposed deep well (South side of house) will meet all setbacks to septic system.					
3	Alternate septic site is East of trench area. (ernate septic site is East of trench area. (save for future septic site.)					
4	Bench Mark (Elv. = 100') is nail on Pine tree NE of trench area.						
	The South side of the power transformer has a 1/2" bolt sticking out, that bolt is at Elv. = 102.9"						
	The top of the dirt pad for the house is at Elv. = 102.8' House Elevation not set at time of design.						
	Install a 1000 gal. Jacobson septic tank (min) with gravity flow from house, no lift, no Garbage Disposal.						
	Install septic tank as high as possible. House is on a elevated pad, approx. 3ft higher than tank grade.						
	Try to install tank with inlet at Elv. = 99.5' or	higher . Maybe incorporate tl	he ta	ank into house pad.			
	Install Dropboxes with serial distribution to each trench. (Recommend inspection pipes in each drop box.)						
5	Install 3 trenches with gravity flow from sept	ic tank. No trench can have b	otto	om deeper than 4 ft.			
	Try for a bottom of trench depth at South end of trenches approx. 2 ft deep, approx. 3 ft at north end.						
	Install 1st trench bottom at Elv. = 97.5'						
	Install 2nd trench bottom at Elv. = 97'						
	Install 3rd Trench bottom at Elv. = 96.8'						
	Each Trench bottom must be level (same Elevation. from end to end).						
	Cover rock with fabric and 12" to 18" of soil.	Install 4" inspection pipe at e	ach	trench terminal end.			
3	The state of the s	er should confirm bench mar	k h	eight Elv. with inspector.			
	Installer should record bench mark Elv. and	bottom of rockbed height on	inst	allation inspection form.			
7	It is important that the soils do not get compa						
3	Install all manholes, inspection pipes and cle	ean-outs to grade or above, (rec	ommend 4" above finished gra	ide).		
,	Owner is responsible to maintain protection	of septic area through constr	ucti	on of house and septic system	1.		
	Designed to Aitkin Co. and MPCA recomme	andations and requirements					
	On and the Or teconing	inductions and requirements.					
	1110						
	M///mmw Bru	mmer Septic LLC.		L-1347			
9		ign Company		License#			
/	//						

1000 GALLON SINGLE COMPARTMENT PUMP TANK





Detailed Parcel Report

Parcel Number: 08-0-023200

General Information

Township/City:

FLEMING TWP

Taxpayer Name:

JOHNSON, DONALD L

Taxpayer Address:

43410 308TH PL

PALISADE MN 56469

Property Address:

Township:

48

Lake Number:

Range:

25

Lake Name:

Section:

15

Acres:

22.93

Green Acres:

No

School District:

1.00

0

Plat:

Brief Legal Description:

SE NW LESS THE S 718.4 FT OF E 675.5 FT & LESS THE S 270 FT OF W 150 FT &

LESS THE S 979.4 FT LYING N & E OF RD EXC THE E 675.5'

Tax Information

Class Code 1:

Rural Vacant Land

Class Code 2:

Unclassified

Class Code 3:

Unclassified

Homestead:

Non Homestead

Assessment Year:

2021

Estimated Land Value:

\$31,500.00

Estimated Building Value:

\$0.00

Estimated Total Value:

\$31,500.00

Prior Year Total Taxable Value:

\$32,700.00

Current Year Net Tax (Specials Not Included):

\$210.00

Total Special Assessments:

\$0.00

**Current Year Balance Not Including Penalty:

\$0.00

Delinquent Taxes:

No

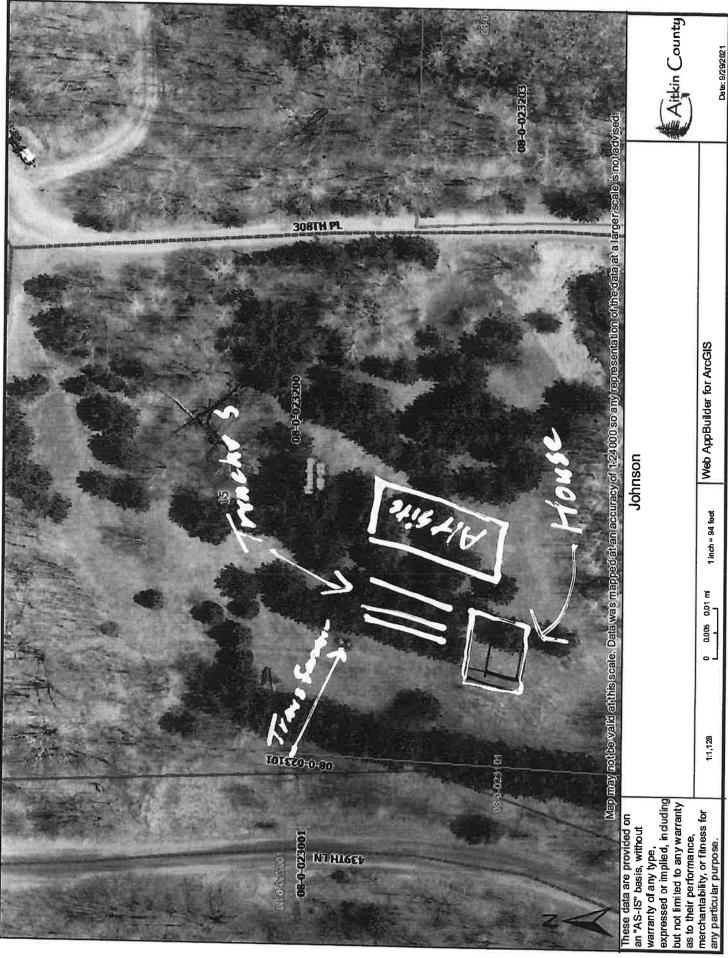
^{*} For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

^{**} Balance Due on a parcel does not include late payment penalties.

AITKIN COUNTY BUILDING PERMIT SITE PLAN

Please indicate the location of: Wells, well setback to system components, buildings, septic system components, reserved septic system area, property lines, waterways, and buried lines. Include size, length, and appropriate distances from fixed reference points. Provide a North directional arrow!

NWCOTHET OF 22,93 ACRES 5 15 JUP48 Rg 25 1'API 200 FEET



Page 15 of 20



Aitkin County, Minnesota

204B—Branstad loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: gjfx Elevation: 980 to 1,640 feet

Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 120 to 140 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Branstad and similar soils: 85 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Branstad

Setting

Landform: Moraines

Landform position (two-dimensional): Backslope, summit

Down-slope shape: Linear Across-slope shape: Concave Parent material: Loamy till

Typical profile

A - 0 to 2 inches: loam

E,Bw,E',E/B - 2 to 17 inches: fine sandy loam

Bt1,Bt2 - 17 to 36 inches: loam Bt3 - 36 to 43 inches: loam C - 43 to 60 inches: loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: About 30 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Available water supply, 0 to 60 inches: Moderate (about 8.5

inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Forage suitability group: Sloping Upland, Neutral (G090AN002MN)

Other vegetative classification: Sloping Upland, Neutral (G090AN002MN)

Hydric soil rating: No

Minor Components

Alstad and similar soils

Percent of map unit: 3 percent Hydric soil rating: No

Cutaway and similar soils

Percent of map unit: 3 percent Hydric soil rating: No

Cromwell and similar soils

Percent of map unit: 3 percent Hydric soil rating: No

Hamre and similar soils

Percent of map unit: 2 percent Landform: Depressions Hydric soil rating: Yes

Seelyeville and similar soils

Percent of map unit: 2 percent Landform: Bogs Hydric soil rating: Yes

Talmoon and similar soils

Percent of map unit: 2 percent Landform: Swales Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Aitkin County, Minnesota Survey Area Data: Version 21, Jun 4, 2020

Aitkin County, Minnesota

204E—Cushing loam, 12 to 25 percent slopes

Map Unit Setting

National map unit symbol: gjg0 Elevation: 980 to 1,640 feet

Mean annual precipitation: 25 to 30 inches
Mean annual air temperature: 39 to 45 degrees F

Frost-free period: 120 to 140 days

Farmland classification: Not prime farmland

Map Unit Composition

Cushing and similar soils: 85 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Cushing

Setting

Landform: Moraines

Landform position (two-dimensional): Shoulder, backslope

Down-slope shape: Linear Across-slope shape: Linear Parent material: Loamy till

Typical profile

E - 0 to 5 inches: loam B/E - 5 to 15 inches: loam Bt1,Bt2 - 15 to 29 inches: loam C - 29 to 60 inches: loam

Properties and qualities

Slope: 12 to 25 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Available water supply, 0 to 60 inches: High (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Forage suitability group: Steep; Fine Texture (G090AN017MN)

Other vegetative classification: Steep; Fine Texture

(G090AN017MN)

Hydric soil rating: No

Minor Components

Cromwell and similar soils

Percent of map unit: 4 percent Hydric soil rating: No

Cutaway and similar soils

Percent of map unit: 4 percent Hydric soil rating: No

Alstad and similar soils

Percent of map unit: 4 percent Hydric soil rating: No

Seelyeville and similar soils

Percent of map unit: 3 percent Landform: Bogs Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Aitkin County, Minnesota Survey Area Data: Version 21, Jun 4, 2020

Subsurface Sewage Treatment System Management Plan

Property Owner: Donald Johnson	Phone: 218-392-0103	Date: 9/28/2021
Mailing Address: 43410 308th PI	City: Palisade MN	Zip: 56469
Site Address: Near Jct of 439th Ln. & 308th PL	City: Palisade Mn 56469	Zip:
Local Government: check every 36	months. My System	n needs to be checked
	months. every 36	months.
(State requirements are based on MN Rules Chapter 7080.2450, Subp. Homeowner Management Tasks	2 & 3)	
Leaks – Check (look, listen) for leaks in to Surfacing sewage – Regularly check for w Effluent filter – Inspect and clean twice a Alarms – Alarm signals when there is a pr Event counter or water meter – Record you	et or spongy soil around your so year or more. oblem. Contact a service provid our water use.	oil treatment area.
Professional Management Tasks		
Check to make sure tank is not lea	aking	
☐ ,Check and clean the in-tank efflue	_	
Check the sludge/scum layer leve	ls in all septic tanks	
Recommend if tank should be pur	nped	
Check inlet and outlet baffles		#1
Check the drainfield effluent level	s in the rock layer	<u> </u>
\square Check the pump and alarm syster	n functions	
\square Check wiring for corrosion and full	nction	
Check dissolved oxygen and efflue	ent temperature in tank	
Provide homeowner with list of re	sults and any action to be take	n
\square Flush and clean laterals if cleanou	ts exist	
"I understand it is my responsibility to properly operate and ma Management Plan. If requirements in the Management Plan are necessary corrective actions. If I have a new system, I agree to a system."	not met, I will promptly notify the	permitting authority and take
Property Owner Signature: Dorold John	, D	ate: <u>7-28-221</u>
Designer Signature: Jeff Brummer	D	ate: 9/28/2021

See Reverse Side for Management Log

Maintenance Log

Activity	Date Accomplished						
Check frequently:			•				
Leaks: check for plumbing leaks							
Soil treatment area check for surfacing							
Lint filter: check, clean if needed							
Effluent screen: if owner-maintained							
Water usage rate (monitor frequency)							
Check annually:		-					
Caps: inspect, replace if needed							
Sludge & Scum/Pump							
Inlet & Outlet baffles							
Drainfield effluent leaks							
Pump, alarm, wiring							
Flush & clean laterals if cleanouts exists							
Other:							
Other:							
					· · · · ·		
Notes: Pump tank at least once every three years							
Mow Drainfield Area at least once a year to keep brush and	d trees from g	rowing					
No Traffic on drainfield area, No Snowmobiles, No ATV's, No Pa	rking						
Mitigation/corrective action plan:							

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