# **Preliminary & Field Evaluation Form**

24-003

			0			
			Own	er Information		
Date	4/10/2024			Sec / Twp / Rng	S-18, T-48, R	-24
Parcel ID	14-1-070800	0		LUG (county, city, township)	Aitkin Co.	
Property Owner:	Townline DMP	LLC. ( Micheal	Larson)	Owners address (if different)		
Property Address:	27871 438th	Ln. Palisad	le Mn 56469	18059 Fillm	ore Drive NW	
City / State / Zip:				Elk River MI	N 55330	
		Flow Ir	formation	and Waste Type / Strength	h	
Estimated Design f	low300	0		Anticipated Waste strength	Hi Strength	✓ Domestic
Comments: Septic	tank location w	vill nood o voo		Any Non-Domestic Waste	Yes (class V)	✓ No
from the	lake use 50 ft f	from lake.		Sewage ejector/grinder pump	Yes	✓ No
Existing septi	ake is a NE La	from lake.		Water softener	Yes	✓ No
Install new ta	nk in same loca	ation as existi	ng tank.	Garbage Disposal	Yes	✓ No
				Gurouge Disposur	1 Tes	
				Daycare / In home business	Yes	✓ No
			Site	Daycare / In home business		
	dlar			Daycare / In home business  Information	Yes	✓ No
Existing & propose improvements located		☐ Yes	Site	Daycare / In home business		✓ No
Existing & propose mprovements local	ted (see site ma		✓ No ✓ No	Daycare / In home business  Information	Yes	✓ No
Existing & propose mprovements local Easements on lot lose site map)	ted (see site majorated  No know	p) Yes	✓ No ✓ No	Daycare / In home business  Information  Well casing depth  Drainfield w/in 100' of	☐ Yes  Existing deep  ✓ Yes  ☐ Yes	✓ No well
Existing & propose mprovements local Easements on lot losee site map) Property lines detersee site map) Req'd setbacks deter	ted (see site ma ocated No know mined	p)  Yes w record road	✓ No ✓ No easement	Daycare / In home business  Information  Well casing depth  Drainfield w/in 100' of residential well  Site w/in 200' of transient	☐ Yes  Existing deep  ✓ Yes  ☐ Yes	well
Existing & propose mprovements local Easements on lot lose site map) Property lines detersee site map) Req'd setbacks detersee site map) Utilities located & formula in the second secon	cated (see site map ocated No know mined rmined	p)  Yes w record road  Yes	✓ No ✓ No easement  No	Daycare / In home business  Information  Well casing depth  Drainfield w/in 100' of residential well  Site w/in 200' of transient noncommunity water supply (T Site w/in an inner wellhead	☐ Yes  Existing deep  ✓ Yes  ☐ Yes  NCWS)	well  No  No
Existing & propose mprovements local Easements on lot losee site map) Property lines detersee site map) Req'd setbacks detersee site map) Utilities located & gopher state one call	ted (see site map ocated No know mined ermined	yes w record road yes Yes Yes	✓ No ✓ No easement ☐ No ☐ No	Daycare / In home business  Information  Well casing depth  Drainfield w/in 100' of residential well  Site w/in 200' of transient noncommunity water supply (T Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)  Buried water supply pipe	□ Yes  Existing deep  ✓ Yes  □ Yes  NCWS) □ Yes	well  No  No  No  No
Existing & propose	ted (see site map ocated No know mined ermined identified ) maintenance	p)  Yes w record road  Yes  Yes  Yes  Yes	✓ No  ✓ No easement  ☐ No  ☐ No  ✓ No	Daycare / In home business  Information  Well casing depth  Drainfield w/in 100' of residential well  Site w/in 200' of transient noncommunity water supply (T Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)  Buried water supply pipe w/in 50' of system  Site located in Shoreland	☐ Yes  Existing deep  ✓ Yes  ☐ Yes  NCWS)  ☐ Yes  ☐ Yes	well  No  No  No  No  No

	S	oil Information		
		Evidence of site: Cut Filled Compacted	Yes Yes Yes	✓ No ✓ No
Original soils	✓ Yes	Disturbed	Yes	✓ No ✓ No
Soil logs completed and attached	✓ Yes	Perk test completed and attached (if applicable)	Yes	✓ No
Soil loading rate (gpd/ft <sup>2</sup> )	0.50	Percolation rate (if applicable)		
Depth/elev to SHWT	14"	Flooding or run-on potential (comments)	Yes	✓ No
Depth to system bottom maximum (or elev minimum)	(+24")	Flood elevation (if applicable)		
Depth/elev to standing water (if applicable)		Elevation of ordinary high		
Depth/elev to bedrock (if applicable)		water level (if applicable)		
Soil Survey information determined (see attachment)	✓ Yes	Floodplain designation and elev - 100 yr/10 yr (if applicable)	NA	
Differences between soil survey and field evaluation (if applicable)				
I hereby certify this evaluation was	s completed in accordan	ce with MN 7080 and any local req's.		
11/1/2				
(///// / /////	Brur	mmer Septic LLC.		L-1347

## Soil Observation Log

			Owner Inf		www	.SepticResou	rce.com vers 12.
Property Own	ner / project:	Townline DM	AP LLC. ( Micheal I		Date	4/1	0/2024
Property Add	dress / PID:	27871 4381	th Ln. Palisade M	In 56469			
			Soil Survey I	Information	□ refe	r to attached	coil cuntout
Parent matl's:		✓ Till	Outwash			Organic	Bedrock
landscape pos	sition:	Summit	Shoulder	✓ Side slope	Toe slope	Jigariic	Bedrock
soil survey m	ap units:	204B		slope 6	% direction-	NW	_
			C 114				
			Soil Lo				
Depth (in)	Texture	Boring		97.2'	Depth to SHWT		_
Deptii (iii)	Texture	Hagilient 76	matrix color	redox color	consistence	grade	shape
0 - 10	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular
10 - 20	Silt Loam	<35	10YR4/3		Loose	Loose	Granular
20 - 27	Silt Loam	<35	10YR5/2	7.5YR5/6	Loose	Loose	Granular
Comments:	Frost just going o	ut Texture was	difficult, muddy, Mo	ostly Friable, loose	, blocky		

27871 438th Ln. Palisade Mn 56469 Soil Log #2												
	✓ !	Boring	] Pit Elevation		Depth to SHWT	16"						
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	- shape					
0 - 6	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular					
6 - 16	Silt Loam	<35	10YR4/4		Loose	Loose	Granular					
16 - 22 Silt Loam		<35	10YR4/4	7.5YR5/6	Friable	Loose	Granular					
27871 4381	th Ln. Palisade N	In 56469	S	oil Log #3								
	✓ Bo	oring Pi	Elevation	97.6'	Depth to SHWT	14"						
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape					
0 - 6	Topsoil Loam	<35	10YR3/2		Loose	Loose	Granular					
6 - 12	Silt	<35	10YR5/4		Friable	Loose	Granular					
12 - 14	Silt and Clay Loam Blending	<35	10YR5/4 with blending 10YR4/4		Friable	Weak	Blocky					
14 - 18	Clay Loam	<35	10YR4/4	7.5YR5.6	Friable	Weak	Blocky					

I hereby certify this work was completed in accordance with MN 7080 and any local req's.

Designer Signature

Brummer Septic LLC.

Company

L-1347

License #

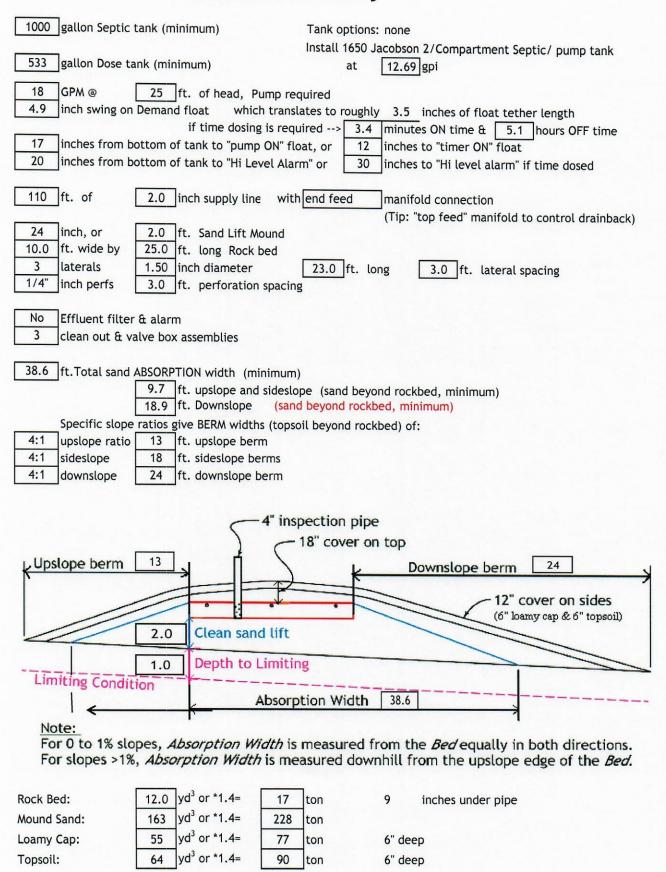
2011 purple code

# Mound Design - Aitkin county www.SepticResource.com (vers 15.

	Property Owner:	Townline DMP LLC. ( Micheal	l Larson )	Date: 4/	10/2024	
	Site Address:	27871 438th Ln. Palisade	Mn 56469	PID:	14-1-070800	
	Comments:			-		
						<del></del>
nstruc	tions: = ent	ter data =	adjust if desired	=	computer calculated - DO NO	OT CHANGE!
)	2 bedroom	Type I Re	sidential	System		
)	300 GPD design f	low				
)	No Garbage disp	oosal or pumped to septic	Install 1650 Ja	cobson 2/	Compartment Septic/ pump t	ank
)	1000 Gal Septic ta	ank (code minimum)	1000 Gal Se	ptic tank (	(design size / LUG reg'd)	
				ptions: no		
)	1.2 GPD/ft <sup>2</sup> mou	nd sand loading rate	contour loading r	ate of	12 req's a min 25 ft.	long rockbed
)	10.0 ft rockbed w	vidth 25.0 ft rockbe	ed length			
)	3.0 ft lateral spa	acing 3.0 ft perfora	ition spacing	(maximun	n of 3 for both)	
				old connec	A CHARLES AND A MANAGEMENT .	
)	3 laterals	23.0 feet long	8.0 perfs / lateral	. [	24 perfs total	
		(1/	2 a perf means the	first perf	starts at the middle feed ma	nifold)
	1/4" inch perfs at	1 feet residual head	gives 0.74	gpm flow	rate per perforation	
	for this perf size & sp	pacing, & pipe size on line 1	12, max perfs/later	al =	16 , line #8 must be less>	ОК
0)	7.0 doses per day					
1)	43 gallons per d					
1)	gattons per d	ose (treatment volume)			1	.50 5x
2)	1.50 inch diamete	er laterals must be used to n	neet "4x pipe volum	ne" require		.50 52
				1		.00 3x
3)	110 feet of	2.0 inch supply line	leads to 19		drainback volume feed" manifold to control the	drainback)
4)	62 gallons TOTA	L pump out volume (treatm	nent + drainback)	(пр. сор	reca mamota to controt the	dialiback)
-	19 fact vertical	1166 6 m m d m m m m m m m m m m m m m m m				
5)	18 feet vertical 18 GPM @	lift from pump to mound la 25 feet of head, Pum		(note: >50	Ogpm may require an extra 3-	6' of head)
	500 gal Dose tank					
7)	leads to a	k (code minimum)	gal Dose tank	(design siz	ze / LUG req'd) at 12	<mark>2.69</mark> gpi
3)		n Demand float, or time	ed dosing of 3.4	min ON	(confirm pump rate with	drawdown
		Average flow, =70% of Peak		hrs OFF	test and adjust as necess	
9)		bottom of tank to "Pump OF		] :==k	"Times Oh!" flact if it is	
)) 1)		bottom of tank to "Pump ON bottom of tank to "Hi Level"			Timer ON" float if time dose "Hi Level" float if time dose	
			THE PERSON NAMED IN		and dosect	
2)	279 gallons reser	ve capacity (after High Le	vel Alarm is activat	ed)		

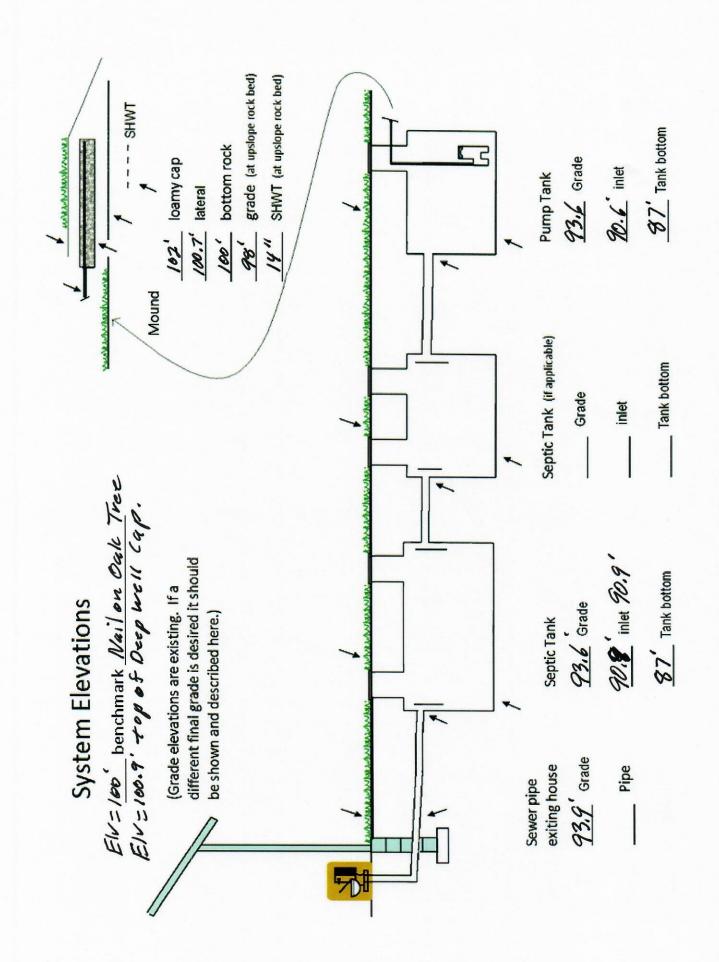
23)	gpd/ft <sup>2</sup> Absorption area Soil Loading Rate, which gives a mound ratio of 2.4 (minimum)
24)	(this must match the soil boring log)  desired mound ratio  percent site slope (0-20% range)  6 (% downslope site slope, if different than upslope)
25) 26)	inches, or 1.0 ft. to Redox or other limiting condition (need at least 12" to be a Type I)  Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:
27)	CRITICAL FOR FOTORE CERTIFICATIONS!!!
27)	38.6 greater of: absorption width OR sand slope
28)	0.0 ft. upslope and sideslope sand upslope 9.7  14.0 ft. Downslope sand down slope 18.9
	Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
29) 30)	4:1 upslope ratio 13 ft. upslope berm 4:1 sideslope 18 ft. sideslope berms
31)	4:1 downslope 24 ft. downslope berm
32)	Overall Dimensions:  10.0 ft. wide by 47 ft. wide by 61 ft. long Rock bed ft. long Mound footprint
	4" inspection pipe
	18" cover on top
	Upslope berm Downslope berm 24
	12" cover on sides (6" loamy cap & 6" topsoil)
	2.0 Clean sand lift
	1.0 Depth to Limiting
	Limiting Condition  Absorption Width 38.6
	7
	Note: For 0 to 1% slopes, Absorption Width is measured from the Bed equally in both directions. For slopes >1%, Absorption Width is measured downhill from the upslope edge of the Bed.
33)	Rock Bed:  10.0 ft. by 25.0 ft. by 9 inches under pipe, plus 20% gives 12 yd³ or *1.4= 17 ton
34)	Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)  28.5 up + 66.9 downslope + 19.2 ends + 21.3 under rock = 163 yd³ or *1.4= 228 ton  plus 20%
35)	Loamy Cap:  43  ft. by 57  ft. 6" deep, plus 20% gives 55 yd³ or *1.4= 77 ton
36)	Topsoil:  47 Ift. by 61 Ift. 6" deep, plus 20% gives 64 Jyd' or *1.4= 90 ton
	I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.
	A . 1/1/
	Brummer Septic LLC. L-1347 4/10/2024  Designature Company License# Date

### **Installer Summary**

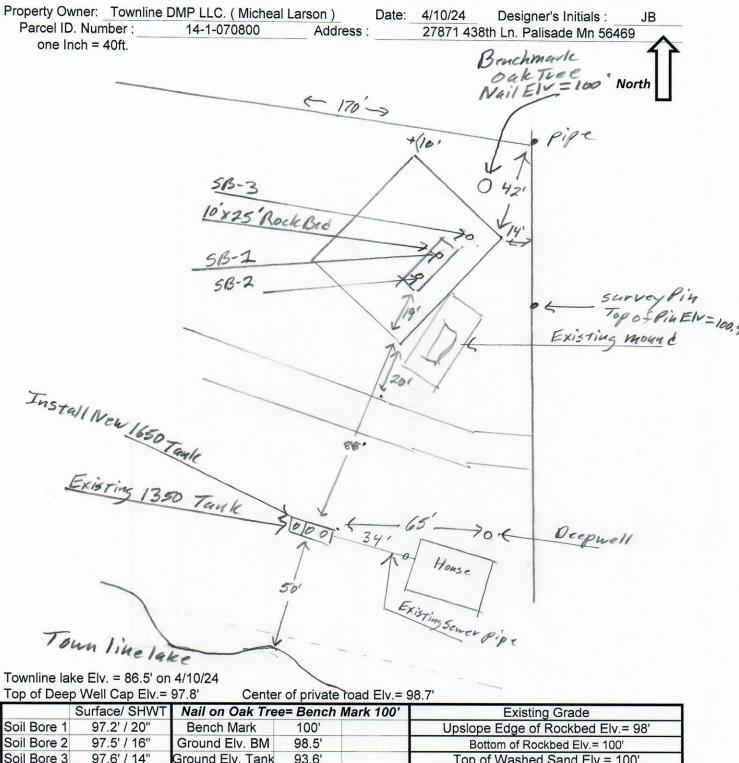


# INSPECTOR CHECKLIST - mound 2/8/1 438th Ln. Palisade Mn 56469 WELL setbacks: 20' to pressure tested sewer line (5 psi for 15 m

	WELL setbacks:	20' to pressure tested	sewer line (5 psi for 15 min)	
		50' to everything	100' to dispersal area with	
	PROPERTY LINES setback:	10' to everything		
	Road setback:	platted: 10' prop line.	Metes & bounds: out of roa	d easement, or outer ditch.
	LAKE / BLUFF setback:	20' for bluff. Lakes: (	GD, RD, NE P	rotected wetland
	Building setbacks:	10' for everything, 20	for dispersal area.	
	WATER LINE under pressure s	e 10' to bed, tank & sew	er line. (else sewer line > 12"	below, else ok w/pvc)
		ion (no 90's, 3' betwee an out every 100', Sch	en 45's, slope min 1" in 8', ma 40 pipe)	ax 2" in 8')
	Septic tank and risers (water mfg	er tight, insulated, prop 1000 gallons	er depth, existing verified by none	pumping)
	Riser over outlet riser over	inlet or center, and 6"	+ inspection pipe over any re	maining haffles
	No effluent filter & ala		inspection pipe over any re-	maning barries.
Н	Dose tank risers and piping		proper depth, drainback)	
	mfg	533 gallons	property and and	
	dose pump	18 gpm25	head VERIFY PUMP CURV	E 3.4 min ON 5.1 hr OFF
	AND	_inches at gal dose divided by	12.7 gpi "DESIGNED" gpi "INSTALLED" =	3.5 inches approx float tether lengt inches float drop (field correcte
	LABEL pump require	ments and drawdown o	n riser or panel	
	Cam lock reachable from gra	ade - 30" max. J-hook v	weep hole. Supply line acces	ss (no hard 90's)
	2.0 inch supply pipe: Sc	h40, sloped 1/8"+, sup	ported by 4" sch40 sleeve or	compacted, and buried 6"+.
	splice box / control panel /	electrical connections		
	flow measurement: CT, ETA	i, time dosed, home wa	ter meter	
	mound absorption area roug			
	mound rock dimensions	10.0 X 25.0	<del></del>	
	Sand lift depth 24	inches. (Jar to	est: 2" sand leaves < 1/8" silt	after 30 min)
	Absorption Sand beyond roc	k <u>9.7</u> upslop	pe	18.9 downslope
	Bermed topsoil beyond rock	bed 13 upslop	pe <u>18</u> sideslope	downslope
	dth£ 42 40".		VEDIEV	
	cover depth of 12-18"+	adea of work)	VERIFY	
H	3 laterals (1-2' from	(Sch40 pipe & fittings		
	1.50 inch pipe size	(Scri40 pipe & rictings	o)	
	ft lateral spacing			
	1/4" inch perforations			
	3.0 ft perforation spaci	ng		
	Air inlet at end of laterals,	and at top feed manifo	old if necessary. VERII	<b>-</b> Y
	clean outs (no hard 90's)			
	4" inspection pipe to bottor	n of rock, anchored	VERIFY	
	Abandan existing system	f necessary	Re-use existing tan	k certification
	Abandon existing system - i monitoring plan and type	i necessaly	Inc-use existing tall	cer ciricación
	well abandonment form - i	f necessary		
	well abandonnent form - 1	i necessary		



### { Design Drawing }



Soil Bore 3	97.6' / 14"	Ground Elv. Tank	93.6'		Top of Washed Sand Elv.= 100'		
	Ground at Nw house 93.9' corner Existing septic tank inlet pipe						
Please show all	that apply ( Existing	)	Please	e Draw to Scale	with North to Top or Left Side of Page:		
Wells within 100	Wells within 100ft. Of Drain field.  Disturbed/Compacted Areas  Access Route for Tank Maintenance				Access Route for Tank Maintenance		
Water lines with	in 10 ft. of Drain field	I. Compon	ent Location		Property Lines		

Structures

Setbacks

OHW ordinary high water

Lot Easements

Drain field Areas:

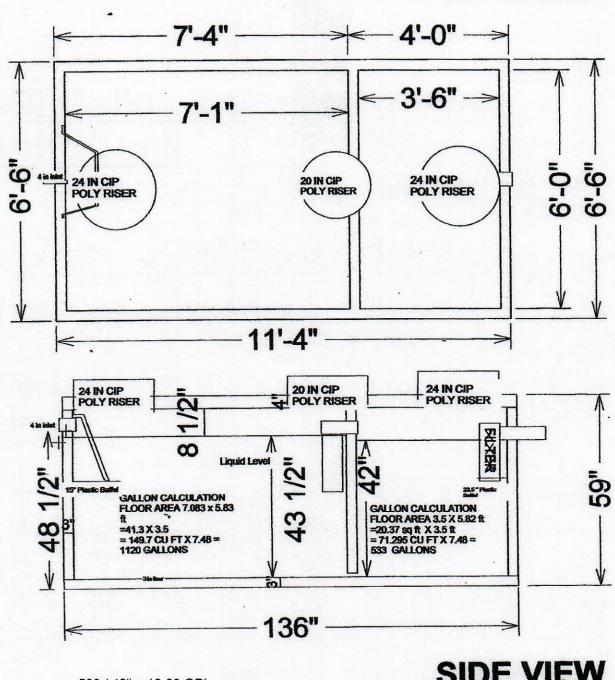
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### Mound Design Notes - Aitkin county

P	roperty Owner:	Date:	4/10/24
	Site Address: 27871 438th Ln. Palisade Mn 56469	PID:	
		-	14-1-070800
	Comments: Mound design may not follow Aitkin co	. Auto fill forn	n for mound design.
1	This is a type I mound for a 2 bedroom House. Existing deep we	ell location is o	n North side of house
	The septic system will need a variance for tank at 50 ft from lak		
_	Because of the hill to the north of tank location it can not be mo		
	Because of the existing sewer pipe location, elevation tank loca		
	Rockbed and absorption area makes the lake setback.	alon can not be	moved up-slope.
	End berm does not, ( setback is to the rockbed, or absorption a	rea)	
3			9'
	Bench Mark Elevation= 100', is a nail on a Oak tree near NE or		
5			
	Installer should insulate 2" supply pipe under road and driveway		
	Installer will mark where supply pipe crosses under road, to wa		
6	Elevation contour of rock bed upslope edge is 98'.		
	The area size of the rock bed is 10' x 25' . Absorption area is 25	5' x 38.6'.	
	Sand absorption area is 9.7 ft. up slope + 10 ft. rockbed + 18.9		approx. 38.6 ft. wide sand base.
	Berms are 13ft. Upslope, 24ft. Down slope, 10ft. Rock bed = ap	oprox. 47ft. Wid	de.
	Overall mound size is approx. 47' wide x 61' long and approx. 4	high. End be	rms are 18 ft wide.
7	The bench mark is the nail on the Oak tree near mound area, I	BM = Elv. 100	·.
	Installer to double check bench mark. Installer should confirm b	ench mark and	sand height Elv. with inspector.
	Installer should record bench mark Elv. and sand height on inst	tallation inspect	tion form.
8	The top of the washed sand and bottom of rock bed is Elv. 100		
	It is important that the soils do not get compacted, and that clear	an washed san	d is used.
9	The Jacobson 1650 compartment tank will be gravity flow from	dwelling. Insta	Il the pump for 7 demand doses
	per day. approx. 62 gallons per dose, 4.9 inches of tank level. I	nstall alarm at	3 inches from pump on level.
	Install all manholes, inspection pipes and clean-outs to grade o	r above, ( reco	mmend manhole 6" above grade).
10	Install a 2" supply pipe from tank to end manifold in rock bed, in	10.5	
	Install 1.5" laterals with 9" of rock under them. (Install Lateral of	clean-outs at fa	r end of laterals. Recommended)
11	Drill 1/4" holes for Perf sizing, 36" on centers.		
	Install 4" inspection pipe to bottom of rock bed, secure in rock bed,		
	MPCA Recommend Installing an Effluent filter and Alarm on se		
	MPCA Recommend installing an event counter on all systems	with a pump.	
	Designed to Aitkin Co. and MPCA recommendations and requ	irements	
	A A A A A A A A A A A A A A A A A A A	momenta.	
	Brummer Septic LLC.		L-1347
De	esigner Aignature Design Company		License#

# 1650 Gallon 2 Compartment **Septic Tank**

# **TOP VIEW**



533 / 42" = 12.69 GPI

SIDE VIEW

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

Made In

flags your to to

.35

85 .05

.40

.05

55

.75

35

95

80

30

126

Fiberglass Survey, Field & Utility Markers

dentify boundaries, pipelines, cables, valve boxes, manholes, right of way easements, meter locations, etc., with these professional

fiberglass markers. Weatherresistant fiber reinforced composite is temperature stable and UV resistant. Use the optional marker

driver (SN 39222, sold separately) for easy installation. Note: Custom labels and colors are available by special order. Call 800-647-5368 for details.

Fiberglass Marker AND

-				A.	000	A SECTION AND ADDRESS.			
	Survey	Wetlan	Sewer Line	Water Line	Gas Line	Utility	Utility	Utility	Utilit
Color	Orange	Brown	Green	Blue	Yellow	Orange	Green	Blue	Red
W	2-5/8	3-3/4	3-3/4	3-3/4	3-15/16	3-3/4	3-3/4	3-3/4	3-3/4
L	66	66	66	66	66	66	66	66	66
	0	0	0	0	0	0	63	0	0
	Δ	<b>A</b>	<b>A</b>	Δ	Δ	Δ	<b>A</b>	A	A
SN	39220	38852	38851	38850	38853	39221	38847	38848	3884
Each	\$19.95	\$23.50	\$23.50	\$23.50	\$23.50	\$19.95	\$19.95	\$19.95	\$19.9
20+	\$16.95	\$20.25	\$20.25	\$20.25	\$20.25	\$16.85	\$16.85	\$16.85	\$16.8
50+	\$15.75	\$18.75	\$18.75	\$18.75	\$18.75	\$15.60	\$15.60	\$15.60	\$15.6

▲ WARNING: Cancer – www.P65 Warnings.ca.gc



#### **Utility Marker** Driver

For Installing fiberglass boundary and utility markers (sold separately). Insert the marker into the driver with the pointed end exposed. Rotate the driver into installation position and drive the marker into the soil with a series of light taps until the desired depth is reached.

Utility Marker A 39222 \$175.95

**Wood Survey Stakes** 

Durable, long-lasting stakes are cut from Southern yellow pine. Points are saw-formed

to ensure all sides are equal so stakes drive straight. Note: Due to manufacturing tolerances, product dimensions may differ slightly.

\$27.25 \$26.50 39546

39519 0 50 \$38.75 \$36.75 39535 0 50 \$33.25 \$31.25

1129

	- 1											•	•							
	1x2F				2x2+	lubs			- 2	x 4 Corne	er		1x10	uard Sta	kes		3/8 x 2	Lathes		
	SN	Bundle	Each	5+	SN	Bundle	Each			Bundle				Bundle		5+		Bundle	Godk	5+
6	39515	50	\$12.50	\$10.95	39511	25	\$12.25	\$10.95	Philips	TO LEG							200	Contone	HEGG!	31
8					39545	25		\$11.75	and the second second				-	-			-	-		
12	39514	50	\$13.50	\$11.95	39512	25	STATE OF THE PERSON NAMED IN	\$13.25	-	-	-	-	-	-	-	-	-	-	-	-
18"	39516		\$18.25				Charles were a wide better	\$17.95	-	1			-				39536	FO	*** 75	444 25
36	20520			420 TE		The second second		-	-	1	-	-	-	-	-	-	22220	50	712./5	\$11.25

39537 0 10 \$27.25

#### **Stake Whiskers**

50

\$32.75 \$29.75

@ 25 \$23.25 \$21.50

39520

39523

1128 The 5-1/2" flexible plastic tops spring back if run over. Fit all wood stakes.

Bundle of 2	25.					
Stake Whi	skers			BUSE	SECTION SECTION	11.70
		1		1	1	1
	Blue	Red	Yellow	Orange	Green	Pink
	33775	33776	33777	33778	33779	33780
Each	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45	\$3.45
20+	\$2.95	\$2.95	\$2.95	\$2.95	\$2.95	\$2.95
50+	\$2.85	\$2.85	\$2.85	\$2.85	\$2.85	\$2.85

#### Hi-Vis **Barrier Fencing**

High visibility temporary barrier fencing is UV stabilized to prevent fading. Resists corrosion and rot. Reusable. Hi-Vis Orange.

39517

50

39518 @ 50 \$47.50 \$45.25

1627

4' x 100' 12 lb. Non-Stretched Fence, 1.75" x 1.75" Holes Each 24919 @ \$31.95 8" Plastic Zip Ties, Pack of 1000

\$34.95



50

\$23.95 \$22.25

O Carrier may require an additional handling charge.

CATALOG 70 | WWW.FORESTRY-SUPPLIERS.COM | FAX 800.543.4203 | ORDERS 800.647.5368

17032

\$32.25



### **Detailed Parcel Report**

Parcel Number: 14-1-070800

### **General Information**

Township/City:

**JEVNE TWP** 

**Taxpayer Name:** 

TOWNLINE DMP LLC

**Taxpayer Address:** 

5600 54TH AVE N

CRYSTAL MN 55429

**Property Address:** 

27871 438th Ln

Township:

48

Lake Number:

1008300

Range:

24

Lake Name:

TOWNLINE LAKE (JEVNE TWP) NE

Section:

18

Acres:

0.00

**Green Acres:** 

No

School District:

4.00

Plat:

**FELKNORS TOWNLINE SHORES** 

OHW-NA?

**Brief Legal Description:** 

LOT 6

### **Tax Information**

Class Code 1:

Non-Comm Seasonal Residential Recreational

Class Code 2:

Unclassified

Class Code 3:

Unclassified

Homestead:

Non Homestead

Assessment Year:

2023

**Estimated Land Value:** 

\$146,800.00

**Estimated Building Value:** 

\$103,100.00

**Estimated Total Value:** 

\$249,900.00

Prior Year Total Taxable Value:

\$231,200.00

**Current Year Net Tax (Specials Not Included):** 

\$1,544.00

**Total Special Assessments:** 

\$0.00

\*\*Current Year Balance Not Including Penalty:

\$0.00

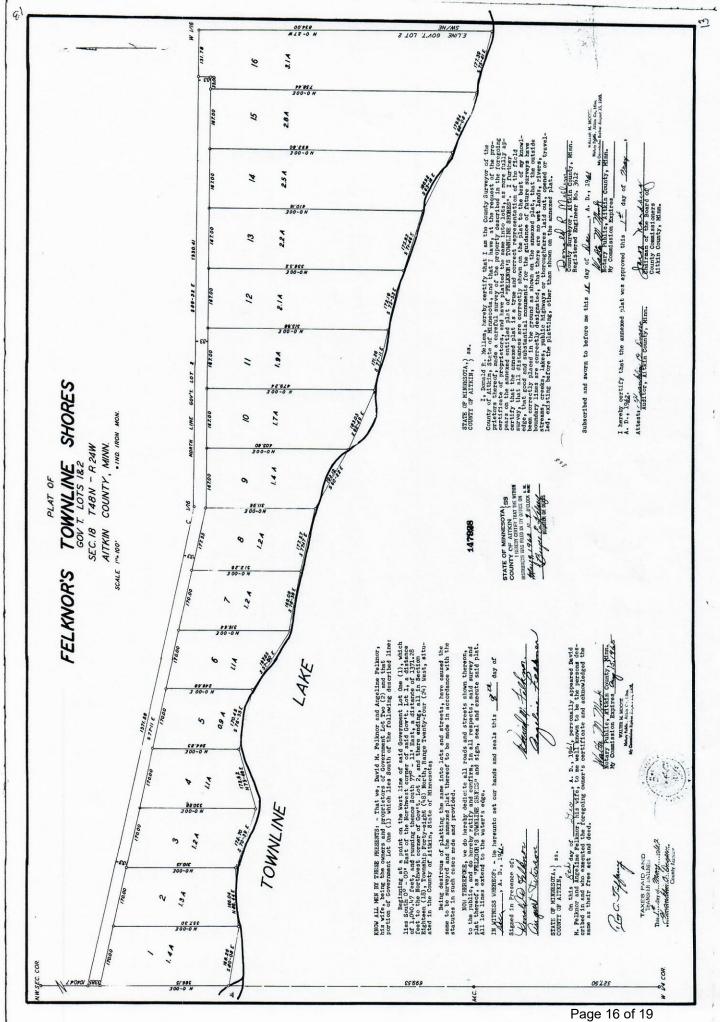
**Delinquent Taxes:** 

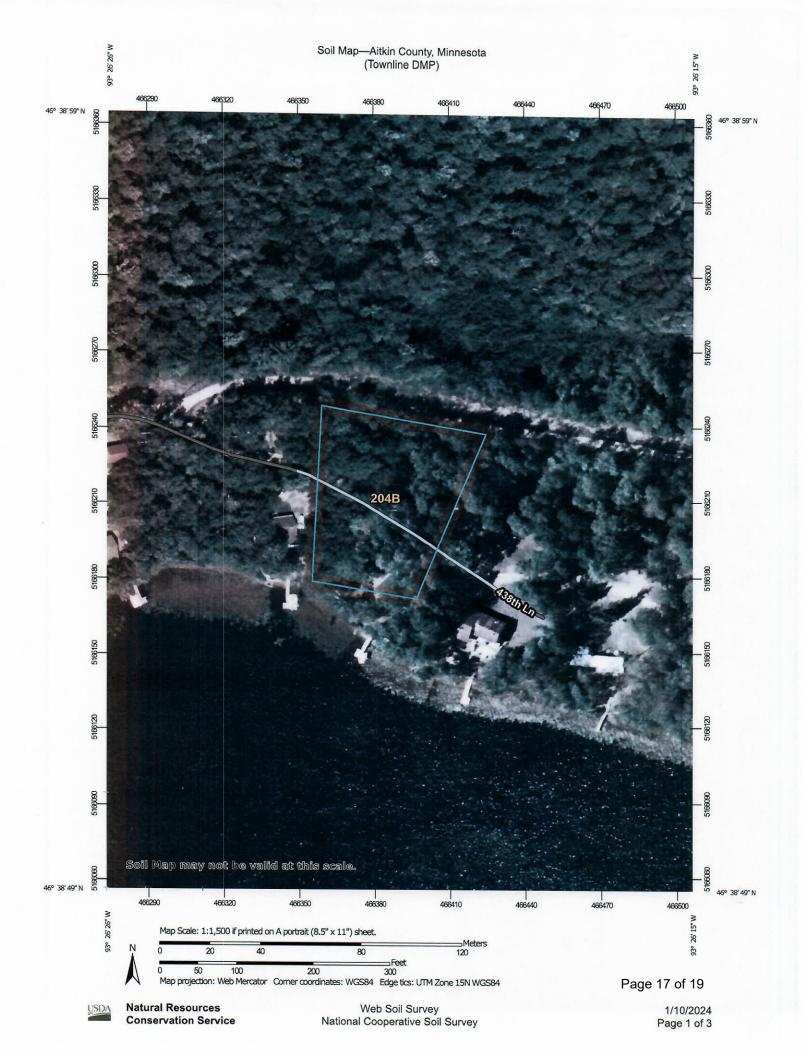
No

<sup>\*</sup> For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

<sup>\*\*</sup> Balance Due on a parcel does not include late payment penalties.







### 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

Ecological site: F090AY015WI - Loamy Upland with Carbonates

Forage suitability group: Sloping Upland, Neutral (G090AN002MN)
Other vegetative classification: Sloping Upland, Neutral
(G090AN002MN)
Hydric soil rating: No

#### **Minor Components**

#### Alstad

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

#### Cromwell

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

#### Cutaway

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

#### Hamre

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

#### Seelyeville

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

#### **Talmoon**

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 24, Sep 9, 2023