

21T21:23:38.537Z*(for office use only)*

Variance Application

Corinna Township MN

Site Address (E-911#):	E911 Address Needed?	Parcel Number:
		206000021107

Legal Description (Lot, Block & Subdivision Name or attach full legal description):

02 121 027

Nearest Lake (if within 1,000 ft):**Nearest River** (if within 300 ft):**Primary Property Owner Info:**Name: **Bruce Anderson**Mailing Address: **724 129th Ave Ne**City: **Blaine**State: **MN**Zip Code: **55434**Preferred Phone: **(763) 381-2362**

Secondary Phone:

Email:

bruce.anderson.mn@comcast.net**Primary Applicant Info:**Name: **Bruce Anderson**Mailing Address: **724 129th Ave Ne**City: **Blaine**State: **MN**Zip Code: **55434**Preferred Phone: **(763) 381-2362**

Secondary Phone:

Email:

bruce.anderson.mn@comcast.netApplicant Is: **Individual(s)****Other Applicants (if applicable):****Other Property Owners (if applicable):**

Joanne Anderson 724 129th Ave Ne Blaine, Minnesota 55434
 (763) 381-2080 joanne.anderson.mn@comcast.net

Contractors:

Type	Company Name/Main Contact/License #	Phone	Email
	-		
	-		
	-		
	-		
	-		
	-		

Describe the Proposed Improvement/Project (generally describe all construction/grading/alteration work to be completed):

Type of Project: Replacing septic system	Structure Type:	<u>Additional Structure Details:</u>	<u>Accessory Building Details:</u> <u>Building Elevation Details:</u> ()
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Lead removal required? No	Lead removal performed by:	Lead Abatement License Number:
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Parcel/Lot Information (or attach any previous surveys/scaled drawings of lot dimensions):

Parcel Size (sq ft or acres):	Width of lot at road and rear/shoreline:	Depth of Lot at sides:
Road frontage is:		
Zoning District:		

Related Variance, Conditional/Interim Use, or Other Special Approval (if applicable – attach documentation):

Granted on (date):

Grading/Lot Preparation

Project will involve grading/reshaping: Yes	Within 200 ft of lake/river/wetland?	Disturbed areas stabilized within 24 hrs?
Purpose of Alteration:		
Amount of soil to be disturbed/exposed temporarily to erosion:	Detailed dimensions/amount:	
Amount of material to be moved/filled:	Detailed calculation/amount:	
Amount of above material that is erodible: (i.e. Class 5 gravel, topsoil, fill soil, etc.):	Amount of above material that is non-erodible (i.e. boulders, retaining wall block, landscape rock):	
Will project direct more water/runoff to a neighboring property, a public right of way or water body than occurred prior to the project? No	Will the project result in portions of the lot being raised or lowered?	How much will the elevation be raised or lowered?
Describe plan to prevent damage or harm to neighboring property, right of way or water body from project:		
Describe Temporary Erosion Control Measures to be implemented (check all that apply, identify where on site plan):		
Describe how vegetation will be re-established (check all that apply):		

Type of Improvement(s):

Proposed Structure Information (enter each new structure as applicable):

<u>Proposed Structure #1</u>			<u>Proposed Structure #2</u>			<u>Proposed Structure #3</u>		
Type of Structure:	Use:		Type of Structure:	Use:		Type of Structure:	Use:	
Framing:	Foundation:		Framing:	Foundation:		Framing:	Foundation:	
# of Stories above bsmnt	Footprint	Roof Pitch	# of Stories above bsmnt	Footprint	Roof Pitch	# of Stories above bsmnt	Footprint	Roof Pitch
# Bedrooms	# Baths	Eave Width	# Bedrooms	# Baths	Eave Width	# Bedrooms	# Baths	Eave Width

Electric in Structure?	Plumbing in Structure?	Electric in Structure?	Plumbing in Structure?	Electric in Structure?	Plumbing in Structure?
Estimated Cost:	Materials: Labor: Total: 0	Estimated Cost:	Materials: Labor: Total: 0	Estimated Cost:	Materials: Labor: Total: 0

Sewage Treatment:

Lot Coverage Calculations (Building coverage on residential parcels is limited – 15% in all zoning districts except 50% in commercial/industrial districts. Total impervious coverage in all residential/agricultural districts is limited to 25%.)

Total Lot Size =

Total Impervious Coverage (Total Impervious / Total Lot Size) * 100 = _____%

Please include any other comments pertinent to your request/project (that has not already been covered previously):

Designer is MN Geotechnical Svs - Mark Hayes

* By signing, the applicant or agent hereby makes application for a permit to construct as herein specified, agreeing to do all such work in strict accordance with all Corinna Township and other applicable ordinances or federal and state laws. Applicant or agent agrees that site plan, sketches, and other attachments submitted herewith and which are approved by the Corinna Township Zoning Administrator are true and accurate, and shall become part of the permit. Applicant or agent agrees that, in making said application for a permit, applicant grants permission to Corinna Township's designated zoning or building inspection officials, at reasonable times during the application process and thereafter, to enter applicant's premises covered by said permit, to determine the feasibility of granting said permit or for compliance of that permit with any applicable township, state, or federal ordinances or statutes. Applicant or agent understands that it is applicant's sole responsibility to contact any other federal, state, county or local agencies to make sure applicant has complied with all relevant Municipal, State, Federal or other applicable laws concerning applicant's project described above.

I would like to sign my application: Electronically. Receive an email invite at the address already entered to sign your application with a digital signature.

Signer email: bruce.anderson.mn@comcast.net

Signature of Applicant*:



Date: 03/21/2024

* By signing, the applicant or agent hereby makes application for a permit to construct as herein specified, agreeing to do all such work in strict accordance with all Corinna Township and other applicable ordinances or federal and state laws. Applicant or agent agrees that site plan, sketches, and other attachments submitted herewith and which are approved by the Corinna Township Zoning Administrator are true and accurate, and shall become part of the permit. Applicant or agent agrees that, in making said application for a permit, applicant grants permission to Corinna Township's designated zoning or building inspection officials, at reasonable times during the application process and thereafter, to enter applicant's premises covered by said permit, to determine the feasibility of granting said permit or for compliance of that permit with any applicable local, state, or federal ordinances or statutes. Applicant or agent understands that it is applicant's sole responsibility to contact any other federal, state, county or local agencies to make sure applicant has complied with all relevant Municipal, State, Federal or other applicable laws concerning applicant's project described above.

NOTE: Incomplete applications, as determined by the Zoning Administrator, will not be accepted or scheduled for a hearing. It is recommended that you work with the Zoning Administrator well before the application deadline to ensure that you have all required information so as to avoid delays in the hearing of your application:

Please complete all of the following questions:

1. What type of variance are you requesting?

Septic System Setback

2. What are you proposing for the property? State nature of request in detail:

Replacing septic system

3. When do you anticipate beginning and completing the project?

Start Date:

Completion Date:

4. Describe why you believe the granting of the variance request would be in harmony with the general purposes and intent of the applicable ordinances.

Replacement of existing septic system.

5. Describe why you believe the granting of the variance would be consistent with the Corinna Township Comprehensive Plan.

Improves environmental quality by replacing a septic system deemed lacking.

6. Describe why you feel that your proposal is a reasonable use of the property.

Replacement of existing septic system.

7. Describe what factors contributing to the need for a variance were not in your control. Address factors such as the lot size or shape, topography, location of existing buildings, sewer systems and wells, and any other factors you feel are relevant.

Setback in in agreement with survey level but perhaps not with current level.

8. Describe the character of the area and why your project will not substantially change the character of the neighborhood or be a detriment to nearby properties.

We will be removing some trees from our property but that's all on our property.

9. Describe why it is not feasible for your project to meet the minimum requirements of the ordinance. What options did you explore that would minimize the variance necessary and why did you determine these were not feasible alternatives?

We believe it doen.

10. Discuss what impacts, if any, the requested variance may have on the environmental quality of the area. For any potential impacts, how do you intend to eliminate or minimize their effect?

Improves environmental quality by replacing a septic system deemed lacking.

11. **Flood Insurance Notice:** If your variance request involves a request to construct a structure below the base flood level, you are hereby notified that this will result in an increased premium rate for flood insurance up to

amounts as high as \$25 for \$100 of insurance coverage. Such construction below the base or regional flood level increases risks to life and property.

**If you are requesting to construct a structure below the base flood level, please initial here that you have read and understand the above notice:*

12. Will the project involve grading or reshaping of the lot? **YES**

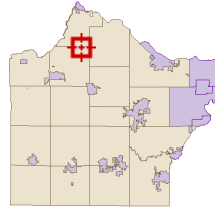
- Amount of material to be moved (cubic yards):
- Describe Temporary Erosion Control Measures:
- Describe how vegetation will be re-established:

13. Please include any other comments relating to this request.

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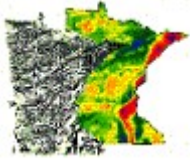
Overview



Parcel ID	206000021107	Alternate ID	n/a	Owner Address	BRUCE ANDERSON & JOANNE ANDERSON 724 129TH AVE NE BLAINE, MN 55434
Sec/Twp/Rng	02-121-027	Class	151 - 4C12 SEASONAL RESIDENTIAL RECREATION		
Property Address	11979 HART AVE NW ANNANDALE	Acres	1.76 Acres		
District	(2201) TOWN OF CORINNA-0876				
Brief Tax Description	SECT-02 TWP-121 RANGE-027 UNPLATTED LAND CORINNA TWP TH PRT OF GOV LT2DES COM ON N LN OF SD GOV LT2 1442FT E OF NW COR TH CONT E100FT TH S AT R ANG133FT TH W27.95FT TH NW90.02FT TO PT79.04FT S OF POB TH N79.04FT TO POB EX N 33FT ALSO COM AT NE COR OF LT1 ADDISON BAY TH S90D TO SUGAR LK TH E ALG LK 55.35FT TO I M TH N&E 10D 61' 100.5FT TH ANG L80D 58FT TO PT 50FT E OF LT 1TH N&W TO POB ALSO TRS DES IN BK 303-56,57,58&59 ALSO TH PRT OF VAC TWN RD DES TH PRT OF N33FT OF GOV LT2TH LIES ELY OF LN 16.5FT ELY OF&PAR/W ELY LN OF LT1BLK 1 ADDISON BAY				
	<i>(Note: Not to be used on legal documents)</i>				

Date created: 3/21/2024
Last Data Uploaded: 3/21/2024 3:46:43 PM

Developed by  Schneider
GEOSPATIAL



Minnesota Geotechnical Services, LLC
Comprehensive Earth Science Consulting

December 18, 2023

To Whom It May Concern:

This is the new septic design for the property at 11979 HART AVE NW.

The design is for a 2-bedroom house. The existing ejector tank must be replaced and the design calls for a 500-gallon replacement which is tied to a 1500-gallon septic tank that is connected to the 1000-gallon lift station which pumps to a state minimum 300 square foot pressure bed. The lot has an old gopher mound on it, this is where the septic tank, lift station and pressure bed are to be located. If the property is not to be used in the winter, then the ejector line need not be insulated and use the line that is there after a pressure test of the original line under the road.

There will most likely be 2 variances needed. The first, is the lake's 50-foot set back. The setback cannot be met if current water level are used, it can be met if the survey level is used. The second is the township road which probably is not a road but a cartway as the Torren's borders have the road at 6 feet wide in one spot. I suggest the township and county be a little understanding and work with the property owner as you can't legally get a pickup through that pinch in the road.

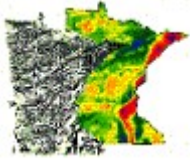
The following advice is offered to increase the longevity of the system. Do not use anti-bacterial soaps. Limit the use of chlorine products such as Clorox and other bleaches. Pump your septic tanks on a regular schedule. Recommended pumping of the tanks be every 2 to 3 years. Do not drive on the site before or after installation except for a lawnmower. Maintain a good grass cover over the system to prevent erosion. Do not use any corrosive chemicals or use the septic system as a disposal for anything other than residential septic purposes (i.e. pouring engine oil down the drain.) Do not use any additives as many additives are safe for the tanks but are harmful to the pressure bed. Following these simple rules will maintain the integrity of your system for years to come.

Thank you for choosing Minnesota Geotechnical Services for your environmental needs.

Sincerely,

Mark Hayes

Mark Hayes MPCA #L3203



Minnesota Geotechnical Services, LLC

Comprehensive Earth Science Consulting



Wright County
MINNESOTA



Property Tax Search/Payments

The property information database is updated daily. Last updated: 10/4/2023 3:00 AM

[New Search](#) [Parcel Data](#) [Tax Summary](#) [Tax Statements](#) [Valuations](#) [Pay Taxes](#)

Property ID: 206-000-021107

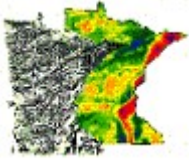
Tax Year: 2023 ▼

Property Address: 11979 HART AVE NW ANNANDALE MN 55302	Municipality: TOWN OF CORINNA School Dist : 020876- SD 0876 ANNANDALE
Owner Name: BRUCE ANDERSON &	Taxpayer Name & Address: BRUCE ANDERSON & JOANNE ANDERSON 724 129TH AVE NE BLAINE MN 55434-3250

Lot:	Section: 02	Plat Name:
Block:	Township: 121	UNPLATTED LAND CORINNA TWP
	Range: 027	
Deeded Acre: 0		
Legal Description: SECT-02 TWP-121 RANGE-027 UNPLATTED LAND CORINNA TWP TH PRT OF GOV LT2DES COM ON N LN OF SD GOV LT2 1442FT E OF NW COR T H CONT E100FT TH S AT R ANG133FT TH W27.95FT TH NW90.02FT TO		
Note: Legal descriptions here are for tax purposes only. Do not use them for recording purposes.		

[New Search](#) :: [Parcel Data](#) :: [Tax Summary](#) :: [Tax Statements](#) :: [Valuations](#) :: [Pay Taxes](#)

As a public service Wright County is providing access to information maintained by Wright County for individual parcels of property. This information is to be used for reference purposes only. Although reasonable efforts are taken to publish the most current property information, Wright County does not guarantee accuracy of the material contained herein and is not responsible for misuse or misinterpretations.

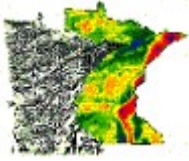


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User WrightSWC@inn.gov
DW Wright1933

Plan
Cost-estimate
Signed plan

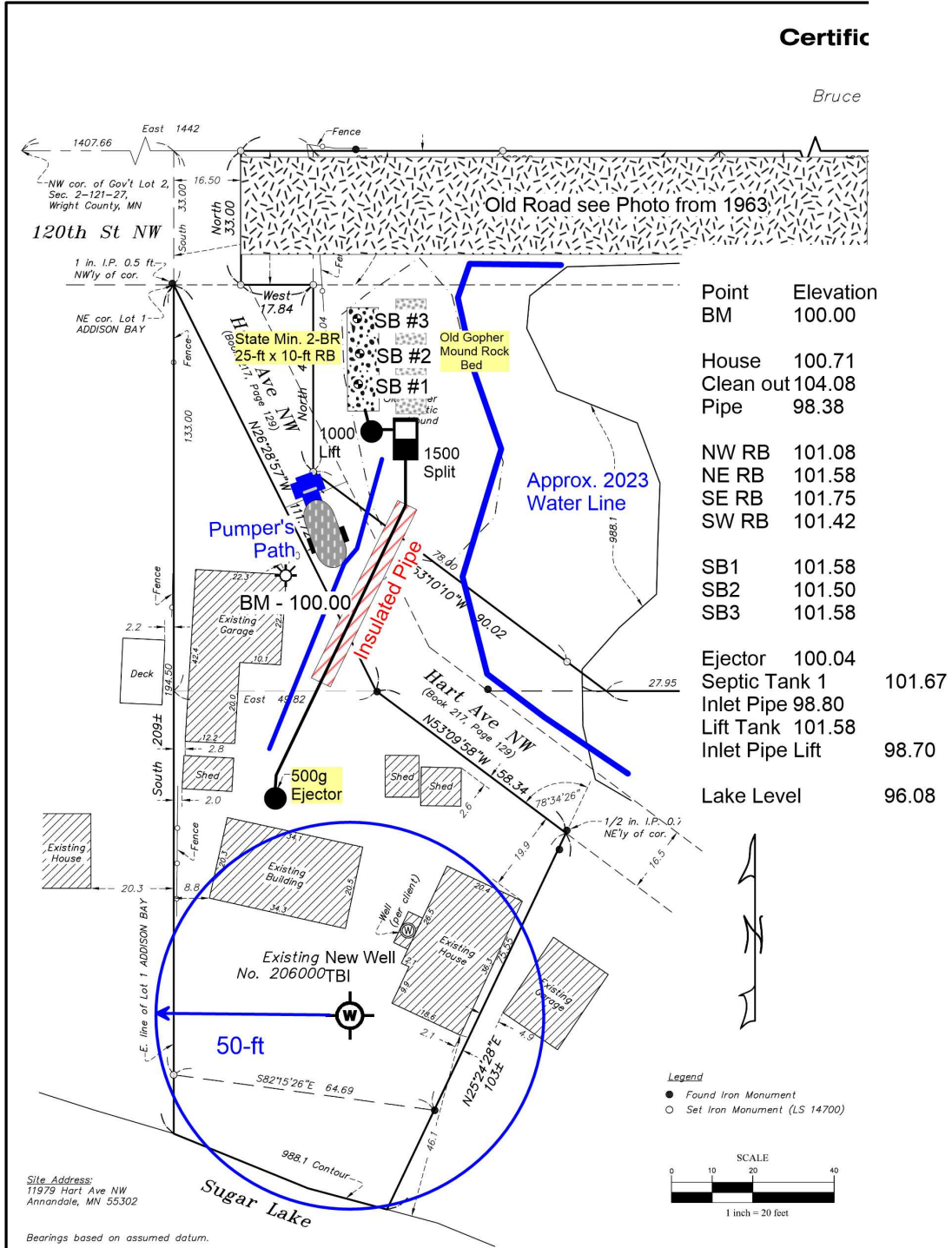


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Certificate

Bruce



Site Address:
11979 Hart Ave NW
Annandale, MN 55302

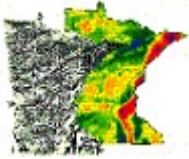
SCHOBORG LAND SERVICES INC.
763-972-3221 8997 Co. Rd. 13 SE
www.schoborgland.com Delano, MN 55328

I hereby certify that this certificate of survey was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

Paul B. Schoborg
Paul B. Schoborg

Date: March 16, 2022 Registration No. 14700

Job Number:	9415
Survey Date:	2/15/22, 2/16/22
Drawing Name:	orderson.dwg
Drawn by:	DMS
Revisions:	



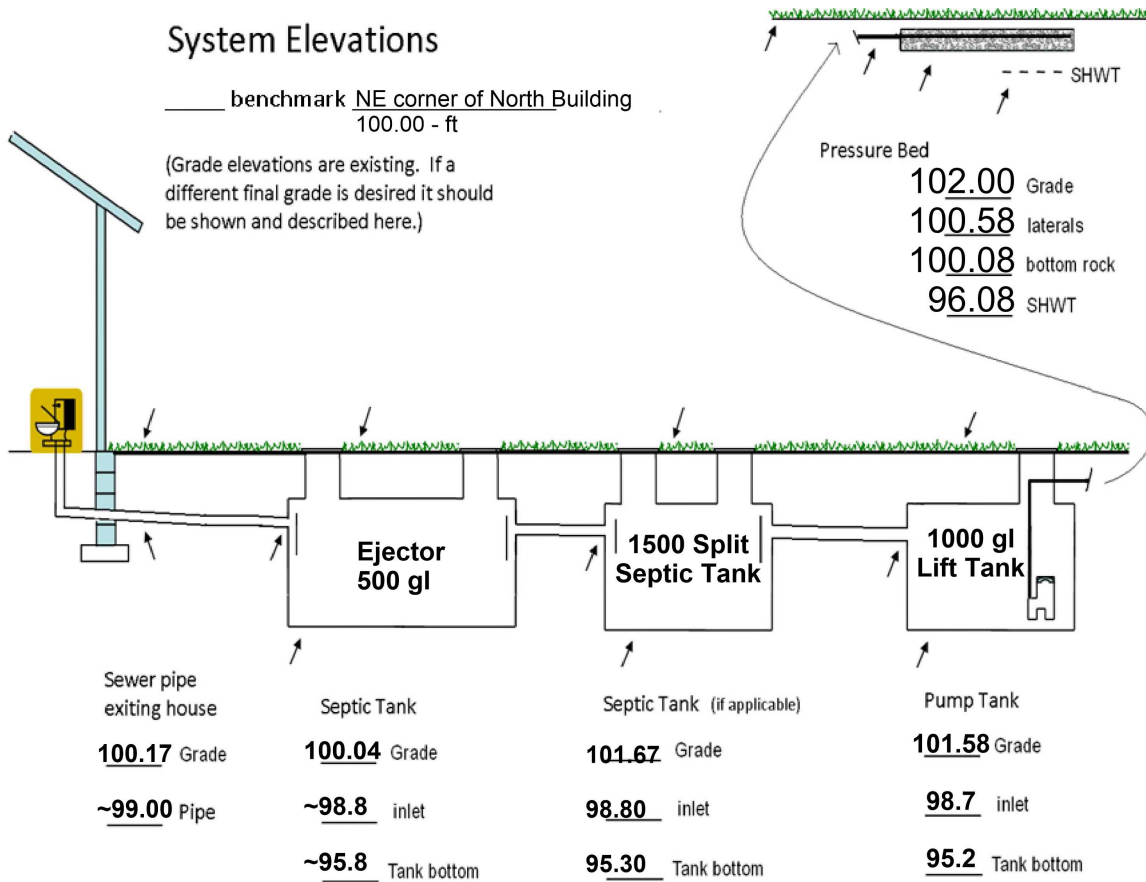
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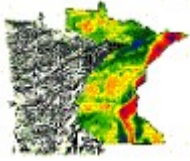
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System Elevations

_____ benchmark NE corner of North Building
100.00 - ft

(Grade elevations are existing. If a different final grade is desired it should be shown and described here.)





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2011 purple code

Pressure Bed Design

www.SepticResource.com (vers 22.2)

Property Owner: BRUCE & JOANNE ANDERSON **Date:** 11/20/2023

Site Address: 11979 HART AVE NW **PID:** 206-000-021107

Comments: _____

Instructions: = enter data = adjust if desired = computer calculated - DO NOT CHANGE!

1) bedroom Type Residential System

2) GPD design flow

3) Garbage disposal or pumped to septic

4) Gal Septic tank (code minimum) Gal Septic tank (design size / LUG req'd)
Tank options: none

5) GPD/ft² Soil Loading Rate (must match soil boring log) ft² bed (code minimum) ft² (design size / LUG req'd)

6) ft desired bed width, leads to a ft bed length (25' maximum)

7) ft lateral spacing ft perforation spacing (maximum 3 for both)
 manifold connection

8) laterals feet long perfs / lateral perfs total
(1/2 perf means the first perf starts at the middle feed manifold)

9) inch perfs at feet residual head gives gpm flow rate per perforation
(If bed has > 1' of cover, increase residual head for cleanout req's)
for this perf size & spacing, & pipe size on line 12, max perfs/lateral = , line #8 must be less --> **OK**

10) doses per day (4 minimum)

11) gallons per dose (treatment volume)

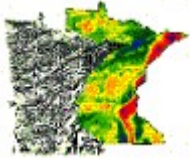
12) inch diameter laterals must be used to meet "4x pipe volume" requirement

13) feet of inch supply line leads to gallons of drainback volume
(Tip: "top feed" manifold to control the drainback)

14) gallons TOTAL pump out volume (treatment + drainback)

15) feet vertical lift from pump to drainfield laterals, leads to a

16) GPM @ feet of head, Pump requirement
(> 50 gpm may require additional 3-6' head allowance for discharge assembly)

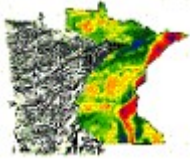


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17)	500 gal Dose tank (code minimum)	1000 gal Dose tank (design size / LUG req'd)	at 27.00 gpi
	leads to a:		REQUIRED Time Dosing of:
18)	2.9 inch swing on Demand float,	(this delivers Average flow, =70% of Peak design flow)	
19)	12 inches from bottom of tank to "pump OFF" float	4.3	min ON
20)	15 inches from bottom of tank to "pump ON" float	8.5	hrs OFF
21)	18 inches from bottom of tank to "Hi Level" float	12	inches to "timer ON" float
22)	514 gallons reserve capacity (after HLA activation-demand dosed)	28	inches to "Hi Level" float
23)	50 inches, or 4.17 ft. to Redox or other limiting condition	(This must match the soil boring log)	
	Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit		
24)	36 inches, or 3.00 ft. of vertical separation required	leads to bottom of rock no more than:	
25)	14 inches, or 1.2 ft. Below existing grade	CRITICAL FOR FUTURE CERTIFICATIONS!!!	
26)	6 inches of rock below the pipe		
	2 inches of rock to cover the pipe		
27)	Overall Dimensions:	10.0 ft. wide by	25.0 ft. long Pressure Bed
28)	Rock Bed materials:		
	10 ft. by 25.0 ft. by 8 inches total, plus 20% gives	8 yd ³ or *1.4=	11 ton
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.			
	Mark J Hayes	MGS	L3203
	Designer Signature	Company	License#
			11/20/2023
			Date

Installer Summary



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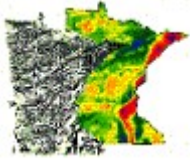
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- WELL setbacks: 20' -50' to sewer line req's MDH pressure test form (5 psi for 15 min)
50' to everything 100' to drainfield with shallow well
- PROPERTY LINES setback: 10' to everything
- Road setback: platted: 10' prop line. Metes & bounds: out of road easement, or outer ditch.
- LAKE / BLUFF setback: 20' for bluff. Lakes: GD __, RD __, NE __. Protected wetland __.
- Building setbacks: 10' for everything, 20' for dispersal area.
- WATER LINE under pressure 10' to bed, tank & sewer line. (else sewer line > 12" below)

- Sewer line & tank connection (no hard 90's, long sweep 90 or 2-45's, minimum slope 1" in 8' = 1%)
(no depth req's, clean out every 100', Sch 40 pipe)
- Septic tank and risers (water tight risers, baffles, insulated, proper depth, existing verified by pumping)
mfg _____ 1500 gallons none _____
- Riser over outlet, riser over inlet or center, and 6"+ inspection pipe over any remaining baffles.
- No effluent filter & alarm
- Dose tank, risers and piping (water tight risers, insulated, proper depth, drainback)
mfg _____ 1000 gallons
- dose pump _____ 18 gpm 14 head VERIFY PUMP CURVE

REQUIRED Time Dosing of:
 4.3 min ON 8.5 hr OFF

- verify that installed "vertical lift from pump to laterals" is no more than design value of 8 feet
- float setting drop 2.9 inches at 27.00 gpi "DESIGNED" 2.5 inches approx float tether length
77.0 gal dose divided by _____ gpi "INSTALLED" = _____ inches float drop (field corrected)
- LABEL pump requirements and drawdown on riser or panel
- Cam lock reachable from grade - 30" max. J-hook weep hole. Supply line access (no hard 90's)
- 2.0 inch supply pipe: Sch40, sloped 1/8"+, supported by 4" sch40 sleeve or compacted, and buried 6"+.
- splice box / control panel / electrical connections / Hi Level Alarm
- flow measurement: CT, ETM, time dosed, home water meter
- Bed dimensions 10 X 25.0
- Rock depth below pipe 6 inches
- Rock bottom elevation 14.0 inches from Grade to bottom of rock (max)
- cover depth of 12"+ VERIFY
- 3 laterals (1-2' from edge of rock)
- 2.00 inch pipe size (Sch40 pipe & fittings)
- 3.0 ft lateral spacing
- 1/4" inch perforations
- 3.0 ft perforation spacing
- Air inlet at end of laterals, and at top feed manifold if necessary. VERIFY
- clean outs (deep bed 2' of head) (no hard 90's)
- 4" inspection pipe to bottom of rock, anchored VERIFY
- Abandon existing system - if necessary Re-use existing tank certification
- monitoring plan and type _____
- well abandonment form - if necessary _____



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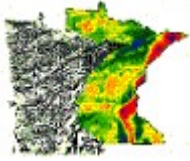
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Soil Observation Log

Owner Information	
Property Owner / project: <u>BRUCE & JOANNE ANDERSON</u>	Date <u>11/20/2023</u>
Property Address / PID: <u>11979 HART AVE NW</u>	

Soil Survey Information	
<input type="checkbox"/> refer to attached soil survey	
Parent mat'l's:	<input type="checkbox"/> Till <input checked="" type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Alluvium <input type="checkbox"/> Organic <input type="checkbox"/> Bedrock
landscape position:	<input checked="" type="checkbox"/> Summit <input checked="" type="checkbox"/> Shoulder <input type="checkbox"/> Side slope <input type="checkbox"/> Toe slope
soil survey map units:	<u>sand fill</u> slope <u>0 to 2</u> % direction- <u>west</u>

Soil Log #1							
		<input checked="" type="checkbox"/> Boring <input type="checkbox"/> Pit	Elevation <u>101.58</u>		Depth to SHWT <u>50</u>		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 to 6	Topsoil	<35 35 - 50 >50	10 YR 6/6	NA	Friable	Weak	Granular
6 to 50	Sand Fill	<35 35 - 50 >50	10 YR 6/6	NA	Loose	Loose	Single grain
50 to 55	Hydric Soils	<35 35 - 50 >50	10 YR 2/1	Water at 55	Firm	Weak	Massive
		<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
Comments:							



Minnesota Geotechnical Services, LLC

Comprehensive Earth Science Consulting

11979 HART AVE NW								Soil Log #2	
		<input checked="" type="checkbox"/> Boring <input type="checkbox"/> Pit		Elevation <u>101.5</u>		Depth to SHWT <u>51</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 to 9	Topsoil	<35 35 - 50 >50	10 YR 6/6	NA	Friable	Weak	Granular		
9 to 51	Sand Fill	<35 35 - 50 >50	10 YR 6/6	NA	Loose	Loose	Single grain		
51 to 55	Hydric Soils	<35 35 - 50 >50	10 YR 2/1	Water at 51	Firm	Weak	Massive		
		<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		
11979 HART AVE NW								Soil Log #3	
		<input checked="" type="checkbox"/> Boring <input type="checkbox"/> Pit		Elevation <u>101.58</u>		Depth to SHWT <u>51</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 to 9	Topsoil	<35 35 - 50 >50	10 YR 6/6	NA	Friable	Weak	Granular		
9 to 51	Sand Fill	<35 35 - 50 >50	10 YR 6/6	NA	Loose	Loose	Single grain		
51 to 55	Hydric Soils	<35 35 - 50 >50	10 YR 2/1	Water at 51	Firm	Weak	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 with MN 7080 and any local req's.

Mark J Hayes
Designer Signature

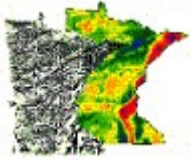
LUG soil verify Signature

MGS
Company

Lug media elev/depth Signature

L3203
License #

= Soil Separaton Report



Minnesota Geotechnical Services, LLC

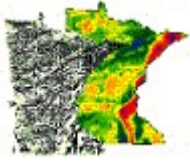
Comprehensive Earth Science Consulting

Preliminary & Field Evaluation Form

Owner Information			
Date	<u>11/20/2023</u>	Sec / Twp / Rng	<u>02 / 121 / 27</u>
Parcel ID	<u>206-000-021107</u>	LUG (county, city, township)	<u>Corinna Twp</u>
Property Owner:	<u>BRUCE & JOANNE ANDERSON</u>	Owners address (if different)	
Property Address:	<u>11979 HART AVE NW</u>	<u>724 129TH AVE NE</u>	
City / State / Zip:	<u>ANNANDALE MN 55302</u>	<u>BLAINE MN 55434-3250</u>	

Flow Information and Waste Type / Strength			
Estimated Design flow	<u>300</u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength <input checked="" type="checkbox"/> Domestic
Comments:		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V) <input checked="" type="checkbox"/> No
		Sewage ejector/grinder pump	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Water softener	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Site Information			
Existing & proposed lot improvements located (see site map)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well casing depth	<u>Not installed</u>
Easements on lot located (see site map)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Drainfield w/in 100' of residential well	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Property lines determined (see site map)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Access for system maintenance (shown on site map)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Soil treatment area protected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site map prepared with previous items included	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction related issues	<u>5 sickly Pines need to be removed</u> <u>Pressurebed to go on the old gopher mound as staked</u>		



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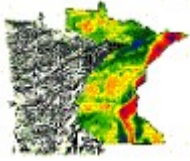
Soil Information			
		Evidence of site:	
		Cut	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Filled	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Compacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Disturbed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Original soils	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Soil logs completed and attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Perk test completed and attached (if applicable)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Soil loading rate (gp/d/ft ²)	1.20	Percolation rate (if applicable)	NA
Depth/elev to SHWT	50.00	Flooding or run-on potential (comments)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Depth to system bottom maximum (or elev minimum)	14.00	Flood elevation (if applicable)	NA
Depth/elev to standing water (if applicable)	~50"	Elevation of ordinary high water level (if applicable)	990
Depth/elev to bedrock (if applicable)	NA	Floodplain designation and elev - 100 yr/10 yr (if applicable)	NA
Soil Survey information determined (see attachment)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Differences between soil survey and field evaluation (if applicable)	<p style="text-align: center;">This is an old gopher mound site, pressure bed goes on top</p> <hr/> <p style="text-align: center;">The top of the gopher mound is much wider than 10-ft</p> <hr/>		

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

Mark J Hayes
Designer Signature

MGS
Company

L3203
License #



Minnesota Geotechnical Services, LLC

Comprehensive Earth Science Consulting

Owners Septic System Management Plan

Date: 11/20/2023

Property Address: 11979 HART AVE NW

Septic Systems can be an expensive investment, good maintenance will ensure they last a lifetime. The purpose of a septic system is to properly "decompose" the pollutants before the water is recycled back into the groundwater. If you're not taking this seriously, ask yourself where your well water comes from.

Your septic design lists all the components of your system and their location. Keep the design, this management plan and the UofM "Septic System Owners Guide" in a safe place for future reference. For a copy of the Owners guide call the University of MN at 1-800-876-8636.

Some of the following tasks you can do yourself, some require a professional, but is it YOUR responsibility to see that it gets done.

Homeowner Tasks

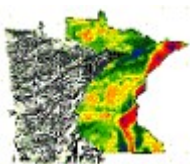
- Do your best to conserve water. Don't overload your septic with multiple large water uses at the same time or on the same day.
- Fix household leaks promptly (leaky toilet, dripping faucets).
- Limit bleach and anti-bacterial products. Use Biodegradable dishwasher detergent.
- Consider a lint filter on your clothes washer.
- Regularly check for wet or spongy soil around your drainfield.
- Have a septic professional check your tanks every 3 years to determine if they need pumping.
- If you have a septic tank filter (effluent filter) clean it on a regular basis (or have a professional do it).
- If a septic alarm goes off, call your septic professional to diagnose the problem.
- Notify the County/City/Township when this management plan is not being met.
- Be aware of and protect your secondary drainfield site.

Professional Tasks

- Disclose the location of the secondary drainfield (if applicable).
- Respond to alarms and diagnose problems as needed.
- Review water use with the owner, check for a "soggy" drainfield.
- Pump the septic tanks as needed and ensure they are in proper working order.
- Verify the pump, dose amount, HI Level Alarm & drainback are all working properly.

"As the owner, I understand it is my responsibility to properly operate and maintain this septic system".

Property Owner Signature: _____ Date _____



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Map Unit Description: Udorthents, wet substratum (fill land)—Wright County, Minnesota

Wright County, Minnesota

1027—Udorthents, wet substratum (fill land)

Map Unit Setting

National map unit symbol: glnb
Elevation: 920 to 1,100 feet
Mean annual precipitation: 23 to 35 inches
Mean annual air temperature: 43 to 50 degrees F
Frost-free period: 155 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents, wet substratum (fill land), and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents, Wet Substratum (fill Land)

Setting

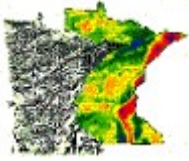
Landform: Stream terraces, outwash plains, moraines
Parent material: Variable soil material

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Data Source Information

Soil Survey Area: Wright County, Minnesota
Survey Area Data: Version 17, Sep 10, 2023



Minnesota Geotechnical Services, LLC

Comprehensive Earth Science Consulting

Map Unit Description: Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes--Wright County, Minnesota

Wright County, Minnesota

261—Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2w0md
Elevation: 660 to 1,710 feet
Mean annual precipitation: 25 to 33 inches
Mean annual air temperature: 37 to 48 degrees F
Frost-free period: 120 to 170 days
Farmland classification: Not prime farmland

Map Unit Composition

Isan and similar soils: 65 percent
Isan, frequently ponded, and similar soils: 30 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Isan

Setting

Landform: Flats, stream terraces
Landform position (three-dimensional): Tread
Microfeatures of landform position: Swales
Down-slope shape: Linear, concave
Across-slope shape: Concave, linear
Parent material: Sandy alluvium

Typical profile

A - 0 to 14 inches: sandy loam
Bg - 14 to 34 inches: loamy sand
Cg - 34 to 79 inches: coarse sand

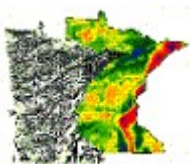
Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: About 6 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D





Minnesota Geotechnical Services, LLC

Comprehensive Earth Science Consulting

Map Unit Description: Isan-Isan, frequently ponded, complex, 0 to 2 percent slopes--Wright County, Minnesota

Ecological site: R057XY014MN - Linear Meadow
Forage suitability group: Level Swale, Low AWC, Acid (G091AN007MN)
Other vegetative classification: Level Swale, Low AWC, Acid (G091AN007MN)
Hydric soil rating: Yes

Description of Isan, Frequently Ponded

Setting

Landform: Depressions, stream terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Microfeatures of landform position: Closed depressions
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy alluvium

Typical profile

A - 0 to 14 inches: sandy loam
Bg - 14 to 34 inches: loamy sand
Cg - 34 to 79 inches: coarse sand

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: A/D
Ecological site: R057XY014MN - Linear Meadow
Forage suitability group: Not Suited (G091AN024MN)
Other vegetative classification: Not Suited (G091AN024MN)
Hydric soil rating: Yes

Minor Components

Glendorado

Percent of map unit: 5 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

10/4/2023
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