240101001-2022

Becker County Planning & Zoning
915 Lake Ave
Detroit Lakes, MN 56501
(218) 846-7314
www.co.becker.mn.us

Certificate of Compliance
Inspection Report - Permit #: SS2022-1548

Owner & Property Information

Owner Name:	MARCUS JASKEN	**Site Address:**	28074 CO HWY 26
Mailing Address:	MARCUS JASKEN 28282 YELLOWTAIL TR ROCHERT MN 56578	**Township - Sec/Twp/Rng:**	RICHWOOD - 12/140/041
Parcel #:	240101001	**Legal Description:**	12-140-41 PT NW1/4 NW1/4: COMM N QTR COR SEC 12, S 1352.04', W 1635.13' TO POB; N 762.73', W 685.18', S 762.73', E 685.18' TO POB.
Secondary Parcel #:		**Designer:**	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)
		Installer:	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom

Inspector Verified Specifications

Insp- Effluent Screen Installed:	No	**Insp- Tank Nbr/Size:**	1/1500/2
Insp- Alarm Required:	Yes	**Insp- Drainfield Type:**	Mound
Insp- Lift Pump in System:	Yes	**Insp- Drainfield Size:**	10' X 38' rock bed and 50' X 38' soil absorption area = 1900 sq ft
Insp- Number of Bedrooms:	3	**Insp- Soil Verification:**	#1:attached #2:N/A #3:N/A

Inspector Verified Setbacks

Insp- Tank Dist to Road	100+	**Insp- Drainfield Dist to Road**	100+
Insp- Tank Dist to Nearest Prop Line	20+	**Insp- Drainfield Dist to Nearest Prop Line**	20+
Insp- Tank Dist to Nearest Structure	36	**Insp- Drainfield Dist to Nearest Structure**	40
Insp- Tank Dist to Well	90	**Insp- Drainfield Dist to Well**	100+
Insp- Tank Dist to OHW		**Insp- Drainfield Dist to OHW**	
Insp- Tank Dist to Pond/Wetland		**Insp- Drainfield Dist to Pond/Wetland**	
Insp- Tank Dist to Pressure Line		**Insp- Drainfield Dist to Pressure Line**	

Certificate of Compliance

(Yes) Certificate is hereby granted based upon the application, addendum from, plans, specifications and all other supporting data. With proper maintenance, this system can be expected to function satisfactory, however this is not a guarantee.

Certification Date: 9/20/2022

Zoning Office Signature:

Denise Gubrud

Denise Gubrud - ISTS Inspector

*** Certificate of Compliance is not valid unless signed by a Registered Qualified Employee ***

Field Review Form

Permit # SS2022-1548

Property and Owner

Owner: **MARCUS JASKEN**	Parcel Number: **240101001**
Site Address: **28074 CO HWY 26**	Secondary Parcel:

Home Information

Does the structure contain any of the following elements?	Designer submitted	Inspector verified
	Garbage disposal: No Dishwasher: Invalid Field Grinder pump: Invalid Field Lift pump in bsmt: Invalid Field	Garbage disposal? Y (N) Dishwasher? Y (N) Grinder pump? Y (N) Lift pump in basement? Y (N)
Number of bedrooms: **3**	Review - Number of bedrooms: 3	
Effluent screen	Effluent screen installe (N) Mfr:	
Alarm: **Yes** Type: **electric**	Review - Alarm? (Y) N Type & Mfr: PS Patrol	
Lift pump in system: **Yes**	Review - Lift pump in system? (Y) N Mfr: BN151 Zoeller	

Component Information

Tank size: **1500/2**	Review - Tank nbr: 1 size: 1500/2 Mfr: Brown
Drainfield type: **Mound**	Review - Drainfield type: mound
Drainfield size: Full size - **1900** Reduced/warr. size -	Review - Drainfield status: none / (installed) / next spring Review - Drainfield size: 10' x 38'
Absorption area size: **12" and 24" sand lift**	Review - Absorption area size: 50' x 38' = 1900 sqft
Chamber type/num: Trench sqft/chamber -	Review - Chamber type: Num: Review - Trench sqft/chamber: X
Drainfield rock depth: **12" and 24" sand lift**	Review - Rock depth: 12" rock & 24" sand lift

Soil Verification

Vertical separation verified	Boring #1: Boring #2: attached Boring #3:

Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	100+	100+	100+	100+
Nearest prop line	20+	20+	20+	20+
Nearest structure	40+	60+	~~40~~ 36	~~60~~ 40
Well	70+	80+	90	100+
OHW				
Pond/Wetland				
Pressure line				

Date System Installed: 9/20/2022 Installer: Jerry Bergstrom Inspector: Denise Gubrud

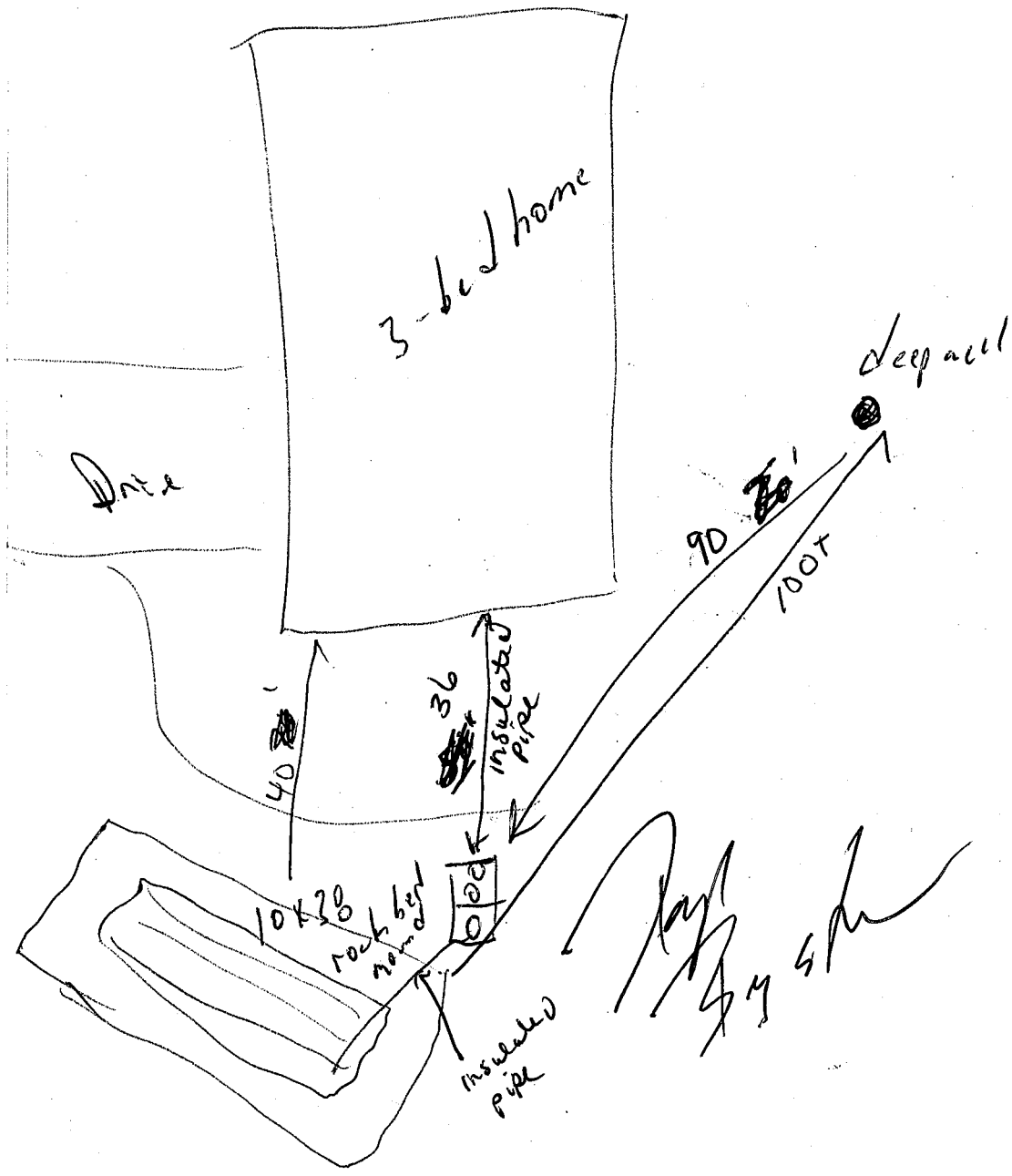
SKETCH OF PROPERTY

PARCEL	
APP	SEPTIC
YEAR	2018

Please sketch all structures and septic systems on the property;
Include setbacks and wells within 100 feet of the property.

. Site Plan/Septic Sketch
A Detailed site plan/septic sketch must be submitted. Please include:

- Location of Structures
- Location of septic tank, drain field and well (if applicable)
- Setbacks from all property lines, roadways, lake/river/pond, and wells within 100 ft of the property



9-20-2022
9:30

1500/2 Brown
Insulate pipe to tank & mound

PS Patrol
Zoller BN 151
10'x38' Rock bed
50'x38' SAN

1' soil ok
Pit sunny

soils & setbacks ok
Certify
Denise Gutbrod

Measurements & Setbacks: *For a list of current required setbacks, see attached page.*

Lake/River/Wetlands Info (If Applicable)

Is the property within 1000 Feet of a lake or within 300 feet of a river? _____ Yes ___X___ No

Lake Name ~~_____~~

Township Richwood

Classification _____

River Name _____

Tank Distance from OHW of Lake or River ~~_____~~

Drainfield Distance from the OHW of Lake or River _____

Does the property contain or is it within 50 feet of a pond or wetland?

_____ Yes ___X___ No

Tank Distance from Closest Pond/Wetland _____

Drainfield Distance from the Closest Pond/Wetland _____

Road Type:

___ State
_X_ County
___ Public/Township
___ Private Easement
___ 4 Lane Highway

I have found and marked the road right-of-way: ___X___ Yes _____ No

Please note: Measurement is taken from the property pins (measure from pins into property).

Setback Verification

	TANK	DRAINFIELD
Distance to Road	100'+	100'+
Distance to Property Line, other than road (side or rear):	20'+	20'+
Distance to Buildings including garages attached to dwellings	40'	40'
Distance to Pressure Line	50'+	50'+
Distance to Wetland/Protected Water		
Distance to Well	70'	80'

Depth of Well: _____ Shallow ___X___ Deep

5. **REQUIRED DOCUMENTS:** ***If any of the following is required, please submit along with application:***
   - Property Line Agreement Form
   - Township Road Right of Way Encroachment Form
   - County Road Right of Way
   - U of MN worksheets are required for mounds, pressure beds, seepage beds, at grades or Type IV or type V systems.

Are the required worksheets attached?

___X___ Yes _____ No

6. **DESIGNER'S CERTIFIED STATEMENT**

I, [signature] certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

(Print Name of Designer)

[signature]
Signature of Designer

9-14-2022
Date

(For Flows up to 1200 gpd)

A. FLOW

Estimated 450 gpd

or measured _____ x 1.5 = _____ gpd.

Estimated Sewage Flows in Gallons per day (gpd)				
Number of Bedrooms	Type I	Type II	Type III	Type IV
2	300	225	180	60% of the values in Type I, II or III columns
3	450	300	218	
4	600	375	256	
5	750	450	294	
6	900	525	332	
7	1050	600	370	
8	1200	675	408	

B. SEPTIC TANK LIQUID VOLUMES

1500/1000 gallons

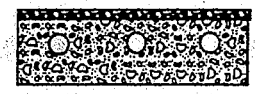
Septic Tank Capacities (In gallons)		
Number of Bedrooms	Minimum Liquid Capacity	Liquid capacity with garbage disposal
2 or less	750	1125
3 or 4	1000	1500
5 or 6	1500	2250
7, 8 or 9	2000	3000

C. SOILS (refer to site evaluation)

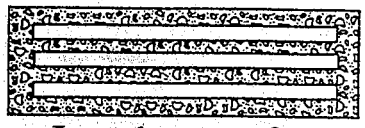
1. Depth to restricting layer = 12 inches _____ feet
2. Depth of percolation tests = 12 inches
3. Texture Clay Percolation rate 60 mpi
4. Land slope 0 %

D. ROCK LAYER DIMENSIONS

1. Multiply flow rate by 0.83 to obtain required area of rock layer: A x 0.83 = _____ gpd x 0.83 sq. ft./gpd = 380 sq. ft.
2. Select width of rock layer (max 10' if <120 mpi max 5') = _____ ft.
3. Length of rock layer = area ÷ width = 380 sq. ft. ÷ 10 ft. = 38 ft.



Width _____ ft
<120mpi <10'
>120mpi <5'



Length _____ ft

E. ROCK VOLUME

1. Multiply rock area by rock depth to get cubic feet of rock; _____ sq. ft. x _____ ft. = _____ cu. ft.
2. Divide cu. ft. by 27 cu. ft./cu. yd. to get cubic yards; _____ cu. ft. ÷ 27 = 15 cu. yd.
3. Multiply cubic yards by 1.4 to get weight of rock in tons; _____ cu. yd. x 1.4 ton/cu. yd. = _____ tons.

F. ABSORPTION WIDTH

1. Percolation rate in top 12 inches of soil is 60 mpi
   Texture Clay
2. Select allowable soil loading rate from table;
   .24 gpd/ft²
3. Calculate adsorption width ratio by dividing rock layer loading rate of 1.20 gpd/ft2 by allowable soil loading rate;
   1.20 gpd/ft² ÷ .24 gpd/ft² = 5.
4. Multiply adsorption width ratio by rock layer width to get required adsorption width;
   10 x 5 ft = 50 ft

Absorption Width Sizing Table			
Percolation Rate in Minutes per Inch (MPI)	Soil Texture	Gallons per day per square foot	Ratio of Absorption width to Rock Layer Width
Faster than 0.1	Coarse Sand	1.20	1.00
0.1 to 5	Sand	1.20	1.00
0.1 to 5	Fine Sand	0.60	2.00
6 to 15	Sandy Loam	0.79	1.52
16 to 30	Loam	0.60	2.00
31 to 45	Silt Loam	0.50	2.40
46 to 60	Clay Loam	0.45	2.67
60 to 120	Clay	0.24	5.00
Slower than 120	Clay	0.20	6.00

PRESSURE DISTRIBUTION SYSTEM

1. Select number of perforated laterals 5

2. Select perforation spacing = 3 feet.

3. Since perforations should not be placed closer than 1 ft. to the edge of the rock layer (see diagram), subtract 2 ft. from the rock layer length.

$$\underset{\text{Rock layer length}}{38} - 2 \text{ ft.} = 36 \text{ feet.}$$

4. Determine the number of spaces between perforations. Divide the length above by perforation spacing and round down to nearest whole number.

$$\text{Length perf. spacing} = \underset{(3)}{36} \text{ ft.} \div \underset{(2)}{3} \text{ ft.} = 12 \text{ spaces}$$

5. Number of perforations is equal to one plus the number of perforation spaces .

$$12 \text{ spaces} + 1 = 13 \text{ perforations/lateral}$$

6. Multiply perforations per lateral by number of laterals to get total number of perforations.

$$\underset{\text{lateral s}}{5} \times \underset{\text{perfs/lateral}}{13} = 39 \text{ perforations.}$$

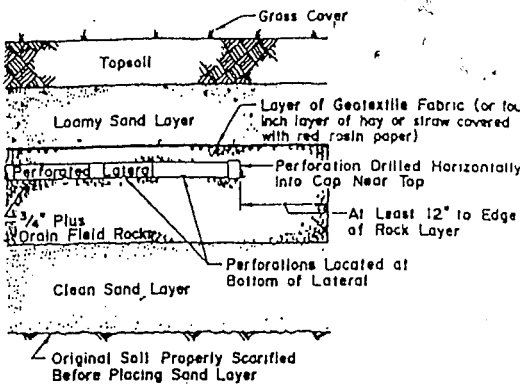
7. Determine required flow rate by multiplying number of perforations by flow per perforation

$$\underset{\text{perfs}}{39} \times \underset{\text{gpm/perf}}{.74} = 29 \text{ gpm.}$$

8. If laterals are connected to header pipe as shown on upper example, to select minimum required lateral diameter; enter table with perforation spacing and number of perforations per lateral. Select minimum diameter for perforated lateral = 2 inches.

9. If perforated lateral system is attached to manifold pipe near the center, lower diagram, perforated lateral length and number of perforations per lateral will be approximately one half of that in step 8. Using these values, select minimum diameter for perforated lateral = 2 inches.

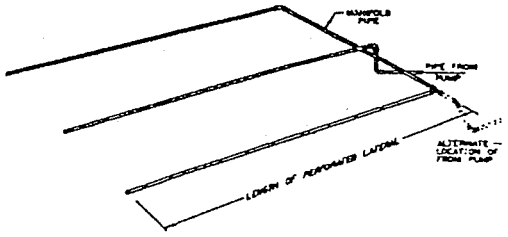
END PERFORATION OF A PERFORATED LATERAL



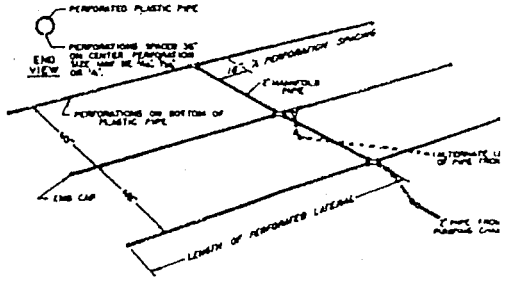
Required Perforation Discharge in gallons per minute (gpm)		
Discharge Head (feet)	7/32 inch perf	1/4 inch perf
1.0a	0.56	0.74
2.0b	0.80	1.04
a. Use for single family homes b. Use for all other applications		

Maximum number of quarter inch perforations pe lateral to guarantee < 10% discharge variation			
Perforation Spacing (feet)	1¼	1½	2
2.5	14	18	28
3.0	13	17	26
3.3	12	16	25
4.0	11	15	23
5.0	10	14	22

MANIFOLD LOCATED AT END OF PRESSURE DISTRIBUTION SYSTEM

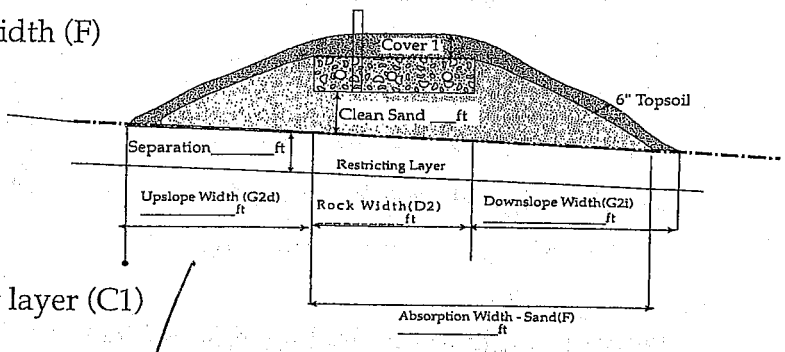


LAYOUT OF PERFORATED PIPE LATERALS FOR PRESSURE DISTRIBUTION IN MOUND



G. MOUND SLOPE WIDTH & LENGTH
(landslope greater than 1%)

Landslope > 1% slope



1. Downslope absorption width = absorption width (F) minus rock layer width (D2)
_____ ft - _____ft = _____ ft

2. Calculate mound size

UPSLOPE

a. Depth of clean sand fill at upslope edge of rock layer = 3 ft minus the distance to restricting layer (C1)
3 ft -_____ ft = _____ ft

b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 ft) plus depth of cover (1 ft)
_____ ft + 1ft + 1ft = _____ ft

c. Upslope berm multiplier based on land slope
_____ *(see figure D-34)*

d. Upslope width = berm multiplier (G2c) x upslope mound height (G2b):
_____ x _____ft = _____ ft

DOWNSLOPE

e. Drop in elevation = rock layer width (D2) x percent landslope (C5) ÷ 100
_____ft x _____% ÷ 100 = _____ft

f. Downslope mound height = depth of clean sand for slope difference (G2e) at downslope rock edge plus the mound height at the upslope edge of rock layer (G2b)
_____ ft + _____ ft = _____ft

g. Downslope berm multiplier based on percent land slope
_____ *(see figure D-34)*

h. Downslope width = downslope multiplier (G2g) times downslope mound height (G2f)
_____ x _____ft = _____ft

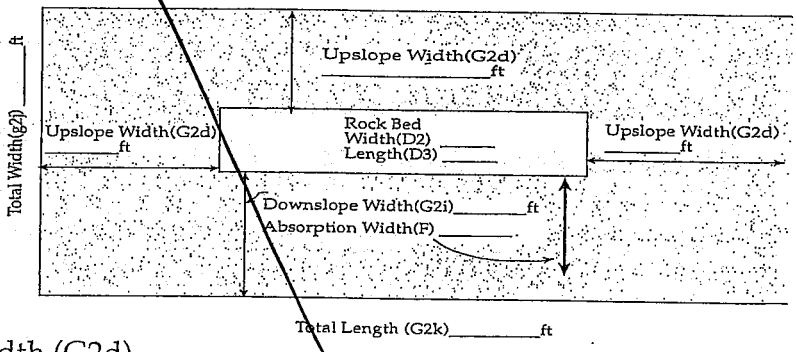
i. Select the greater of G1 and G2h as the downslope width: _____ft

j. Total mound width is the sum of upslope width (G2d) width plus rock layer width (D2) plus downslope width (G2i)
_____ ft + _____ ft + _____ ft = _____ ft

k. Total mound length is the sum of upslope width (G2d) plus rock layer length (D3) plus upslope width (G2d)
_____ ft + _____ ft + _____ ft = _____ feet

D-34: SLOPE MULTIPLIER TABLE

Land Slope, in %	UPSLOPE multipliers for various slope ratios						DOWNSLOPE multipliers for various slope ratios				
	3:1	4:1	5:1	6:1	7:1	8:1	3:1	4:1	5:1	6:1	7:1
0	3.0	4.0	5.0	6.0	7.0	8.0	3.0	4.0	5.0	6.0	7.0
1	2.91	3.85	4.76	5.66	6.54	7.41	3.09	4.17	5.26	6.38	7.53
2	2.83	3.70	4.54	5.36	6.14	6.90	3.19	4.35	5.56	6.82	8.14
3	2.75	3.57	4.35	5.08	5.79	6.45	3.30	4.54	5.88	7.32	8.86
4	2.68	3.45	4.17	4.84	5.46	6.06	3.41	4.76	6.25	7.89	9.72
5	2.61	3.33	4.00	4.62	5.19	5.71	3.53	5.00	6.67	8.57	10.77
6	2.54	3.23	3.85	4.41	4.93	5.41	3.66	5.26	7.14	9.38	12.07
7	2.48	3.12	3.70	4.23	4.70	5.13	3.80	5.56	7.69	10.34	13.73
8	2.42	3.03	3.57	4.05	4.49	4.88	3.95	5.88	8.33	11.54	15.91
9	2.36	2.94	3.45	3.90	4.30	4.65	4.11	6.25	9.09	13.04	18.92
10	2.31	2.86	3.33	3.75	4.12	4.44	4.29	6.67	10.00	15.00	23.33
11	2.26	2.78	3.23	3.61	3.95	4.26	4.48	7.14	11.11	17.65	30.43
12	2.21	2.70	3.12	3.49	3.80	4.08	4.69	7.69	12.50	21.43	43.75



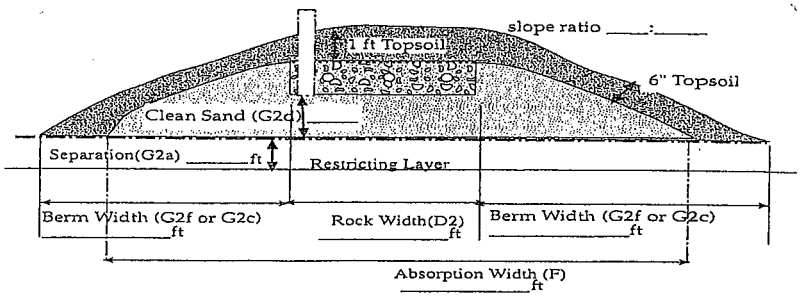
Final Dimensions:
_____ x _____

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

_____(signature) _____(license #) _____(date)

<=1% land slope

G. Mound Slope Width and Length (landslope less than or equal to 1%)



1. Absorption width (F) 50 ft

2. Calculate mound size

a. Determine depth of clean sand fill

at upslope edge of rock layer = 3 ft

minus the distance to restricting layer (C1)

3 ft - 1 ft = 2 ft

b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 ft) plus depth of cover (1 ft)

2 ft + 1ft + 1ft = 4 ft

c. Berm width = upslope mound height (G2b) times 4 *(4 is recommended, but could be 3-12)*

4 x 4 = 16 ft

d. The total landscape width is the sum of berm (G2c) width plus rock layer width (D2) plus berm width (G2c): 16 ft + 10 ft + 16 ft = 42 ft

e. Additional width necessary for absorption = absorption width (F) minus the landscape width (G2d)

50 ft - 42 ft = 8 ft, *if number is negative (<0) skip to g*

f. Final berm width = additional width (G2e) plus the berm width (G2c)

8 ft + 16 ft = 24 ft

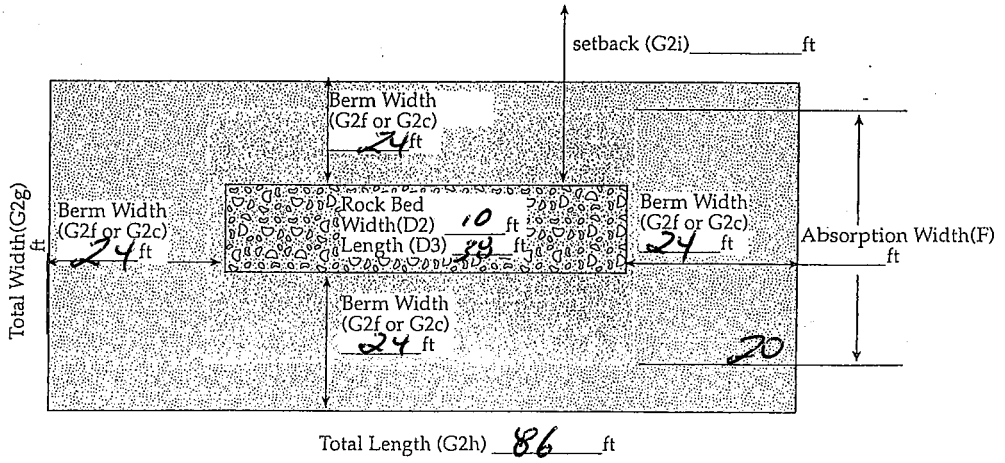
g. Total mound width is the sum of berm width (G2f or G2c) plus rock layer width (D2) plus berm width (G2f or G2c): ____ ft + ____ ft + ____ ft = 50 ft

h. Total mound length is the sum of berm (G2f or G2c) plus rock layer length (D3) plus berm (G2f or G2c): 24 ft + 38 ft + 24 ft = 86 ft

i. Setbacks from the rockbed are calculated as follows: the absorption width (F) minus the rock bed width (D2) divided by 2: (50 ft - 10 ft) ÷ 2 = 20 ft

Final Dimensions:

42 x 86



I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.

[signature] (signature) 478 (license #) 9/14-2022 (date)

PARCEL	
APP	SEPTIC
YEAR	
SCANNED	
LAKE	

2019 Onsite Septic System Application

Becker County Planning & Zoning
915 Lake Ave, Detroit Lakes, MN 56501
Phone (218)-846-7314; Fax (218)-846-7266

1. PROPERTY DATA (as it appears on the tax statement or deed)
Parcel Number of property where the system will be installed: 24016001
If septic system is on more than one parcel, what is the number of the secondary parcel? _____

2. OWNER INFORMATION (as it appears on the tax statement or deed)
Owner Name: Marcus Jaskon
Owner Mailing Address: 28282 yellowtail ln City, State, Zip: Rochert
Owner Phone Number: 2 Owner Email Address: _____
Property Site Address: 28074 co Hwy 26 City, State, Zip: _____
Township Name: Richwood Section/Township/Range: 12 140 041
LegalDescription: pt NW¼ NW¼ comm N qtr cor sec 12 S 1354.04 on 1685.17 to POB

3. DESIGNER/INSTALLER INFORMATION

Designer and License#: Doug Byska
Designer Email Address: _____
Address: _____
Company: _____
Phone Number: _____

Installer and License#: Doug Byska
Installer Email Address: _____
Address: _____
Company: _____
Phone Number: _____

4. SYSTEM DESIGN INFORMATION

System Status
- X Vacant Lot-No existing system-new structure
- _____ Replacement – structure removed and being rebuilt
- _____ Failing –Replacement- cesspool/seepage pit or other
- _____ Enlargement of system-Undersized
- _____ Repairs Needed to existing
- _____ Additional system on property

What will new system serve? Check one.
- X Dwelling Fee: $150.00
- _____ Resort/Commercial Fee: $300.00
- _____ Commercial (Non-resort) Fee: $300.00
- _____ Other – Explain: _____

Date of Site Evaluation: _____

Design Flow 450 Gallons Per Day
Number of Bedrooms 3
Garbage Disposal: ___ Yes X No
Dishwasher: X Yes ___ No
Lift station in Structure ___ Yes X No
Grinder Pump in Structure: ___ Yes X No

Well Depth:
- X Deep Well
- ___ Shallow Well
- ___ Well not Installed-To be Drilled

Depth of Other Wells within 100 ft. of System: (if applicable):
- _____ Deep Well
- _____ Shallow Well
- _____ Well not Installed-To be Drilled

___ Original Soil ___ Compacted Soil

Type of Soil Observation:
_____ Pit ___ Probe X Boring

Depth to Restricting Layer (inches or feet)
11
Maximum Depth of System 72'

Does the Septic Design Include a Drain Field? X Yes _____ No
New or Existing Tank? X New _____ Existing

Type of All Tank(s) to be installed :
1500 gal Single Compartment Septic Tank
_____ gal Compartmented Tank
_____ Pit Privy
_____ gal Holding Tank
_____ Existing Tank
_____ Existing Tank w/ New Additional Tank
_____ Existing tank w/new Lift Station
_____ Holding Tank with Privy

Total Number of Tanks to be Installed: 1 *This number will be reported to the MPCA at the end of the year.
Size of Tank(s) 1500 comp
Is There an Alarm? X Yes _____ No
Type of Alarm: PS Pz.4x01
Is there an effluent screen? ___ Yes X No

Is There a Lift Pump? X Yes _____ No
If Yes, What is the Size of the Lift Pump? ½ HP BN 151
What is the Size of the Lift Line? 2"

Type of Drainfield	Full Size of Drainfield	Reduced/Warrantied Size	Size of Absorption Area _____
_____ Chamber Trench	_____sq. ft.	_____sq. ft.	Depth of Rock 60"
_____ Rock Trench	_____sq. ft.	_____sq. ft.	Chamber Type and Number_____
_____ Graveless	_____sq. ft.	_____sq. ft.	Total Sq. Ft. Per Chamber
_____ Mound	_____sq. ft.		_____
X Pressure Bed	280 sq. ft.		
_____ Seepage Bed	_____sq. ft.		
_____ At-Grade	_____sq. ft.		
_____ Alternative/Performance	_____sq. ft.		

Is System Pressurized? X Yes _____ No

*If System is pressurized, you must submit the applicable forms as listed below.

- Pressure Distribution System
- At Grade Design Worksheet
- Mound Design Worksheet- Slope 1% or Less
- Mound Design Worksheet- Slope 1% or More

What is the Perc Rate? 60 What is the Soil Sizing Factor? 1.67

*If SSF other than .83, you must attach the Perc Test Data

_____ 0.00	_____ 0.45	_____ 0.60	_____ 0.83	_____ 1.67
_____ 0.24	_____ 0.50	_____ 0.78	_____ 1.27	

Soil Borings (**three are required**) and **ALL FIELDS ARE MANDATORY**

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Constancy
0-12	loam	black	granular	moderate	firm

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Constancy
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Depth	Texture	Color	Structure Shape	Structure Grade	Structure Constancy
0-13	loam	black	granular	moderate	firm

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Constancy

Options for Texture:

- Loamy Sand
- Loamy Coarse Sand
- Fine Sand
- Very Fine Sand
- Loamy Fine Sand
- Sandy Loam
- Coarse Sandy Loam
- Fine Sandy Loam
- Very Fine Sandy Loam
- Loam
- Silt Loam
- Silt
- Clay Loam
- Sandy Clay Loam
- Silty Clay Loam
- Clay
- Sandy Clay
- Silty Clay
- Top Soil
- Redox/Limiting Layer

Options for Structure Shape

- Granular
- Platy
- Blocky
- Prismatic
- Strong
- Single Grain

Options for Structure Grade:

- Massive
- Weak
- Moderate
- Loose

Options for Soil Structure Consistency:

- Loose
- Friable
- Firm
- Extremely Firm
- Rigid

Becker County Restrictive Layer Verification

Client: Jasken	Parcel: 24010100?	Date: 9-20-2022
Address: 28074 Co Hwy 26		
Vegetation: Lawn Areas		
Weather Conditions/Time of Day: Sunny / 9:30	Observation#/Location/Method: Pit	

Depth (in)	Texture	Matrix Color(s)	Mottle Color(s)
12"	L	10yr 4/2	none

Comments/Notes:

12" - Restrictive Layer - Deep topsoil - 12" credit

Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinace, rules and laws.			
(Designer) Darryl Bergstrom	(Inspector) Denise Gutrud	(License #) C8952	(Date) 9-20-2022

~~9-19-2022~~
~~300~~
9-20-2022
~~9130~~ 9130 -10:00

Becker County Planning & Zoning
915 Lake Ave
Detroit Lakes, MN 56501
(218) 846-7314
www.co.becker.mn.us

Septic Permit

Permit #: SS2022-1548

L 8ff 21 on 26
2nd Place R

Owner & Property Information

Owner Name:	MARCUS JASKEN	**Parcel #:**	240101001
Mailing Address:	MARCUS JASKEN 28282 YELLOWTAIL TR ROCHERT MN 56578	**Secondary Parcel #:**	
		Site Address:	28074 CO HWY 26
Phone #:	none	**Township - Sec/Twp/Rng:**	RICHWOOD - 12/140/041
Lake/River(1000/300):	No	**Designer:**	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)
Lake/River Name:			
Pond/Wetland(50):	No	**Installer:**	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom

Specifications

Tank to be Installed:	Compartmented Tank	**Type of Drainfield:**	Mound
Total # Tanks Installed:	1	**Full Size of Drainfield:**	1900
System Status:	No Existing System	**Reduced/Warrantied Size:**	
System Serves:	Full-Time Dwelling	**Absorbtion Area Size:**	10' X 38' rock bed and 50' X 38' soil absorption area
Number of Bedrooms:	3	**Rock Depth:**	12" and 24" sand lift
Design Flow/GPD:	450	**Chamber Type and Number:**	
Garbage Disposal?	No	**Chamber Trench SqFt/Chamber:**	
Size of Lift Pump:	Zoeller BN151	**Is System Pressurized?**	Yes
Size of Lift Line:	2"	**Alarm?**	Yes
Soil Sizing Factor:	0.24	**Type of Alarm:**	electric

Setbacks

Road Type:	County	**Right of Way Marked:**	Yes
Tank Dist to Road:	100+	**Drainfied Dist to Road:**	100+
Tank Dist to Closest Prop Line:	20+	**Drainfied Dist to Closest Prop Line:**	20+
Tank Dist to Nearest Structure:	40+	**Drainfield Dist to Nearest Structure:**	60+
Tank Dist to Well:	70+	**Drainfield Dist to Well:**	80+
Tank Dist to OHW:		**Drainfield Dist to OHW:**	
Tank Dist to Pond/Wetland:		**Drainfield Dist to Pond/Wetland:**	
Tank Dist to Pressure Line:		**Drainfield Dist to Pressure Line:**	

Other Information

Date Approved:	9/19/2022
Permit Fee:	225.00
Receipt Number:	2853
Date Paid:	9/19/2022

Zoning Office Signature: Denise Gubrud

Notes: Install a 1500/2 septic/lift tank and a mound system with a 24" sand lift, a 10' X 38' rock bed and a 50' X 38' soil absorption area

PERMIT MUST BE POSTED AT JOB SITE. PERMIT EXPIRES ONE YEAR FROM DATE PAID.

** Please schedule for inspection prior to installation! **