



061123904-2021



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 #: SS2020-837

Owner & Property Information

Owner Name:	COREY SECKERSON	Site Address:	16213 Viking Bay Rd
Mailing Address:	COREY SECKERSON 6966 40TH ST S JAMESTOWN ND 58401	Township - Sec/Twp/Rng:	CORMORANT - 01/138/043
Parcel #:	061123904	Legal Description:	VIKING BAY CIC #72 LOT 4 & 1/5 INT COMMONS.
Secondary Parcel #:		Designer:	Ohm Excavating, L4032 (Chris Ohm)
		Installer:	Ohm Excavating LLC, L4034 (Chris Ohm)

Inspector Verified Specifications

Insp- Effluent Screen Installed:	Yes	Insp- Tank Nbr/Size:	2/1500/2 Infiltrator installed in 2020, Two - 1000 Brown tanks installed in 2001
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	Mound
Insp- Lift Pump in System:	Yes	Insp- Drainfield Size:	10' X 63' rock bed, 26' X 63' soil absorption area = 1638 square feet
Insp- Number of Bedrooms:	5	Insp- Soil Verification:	#1:attached #2:N/A #3:N/A

Inspector Verified Setbacks

Insp- Tank Dist to Road	70	Insp- Drainfield Dist to Road	20
Insp- Tank Dist to Nearest Prop Line	30+	Insp- Drainfield Dist to Nearest Prop Line	10
Insp- Tank Dist to Nearest Structure	20	Insp- Drainfield Dist to Nearest Structure	30
Insp- Tank Dist to Well	95	Insp- Drainfield Dist to Well	100+
Insp- Tank Dist to OHW	150+	Insp- Drainfield Dist to OHW	150+
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: 6/30/2021

Zoning Office Signature:

Denise Gubrud - ISTS Inspector

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

Field Review Form

Permit # SS2020-837

Property and Owner

Owner: COREY SECKERSON

Parcel Number: 061123904

Site Address: 16213 Viking Bay Rd

Secondary Parcel:

Home Information

Does the structure contain any of the following elements?

Designer submitted

Inspector verified

Garbage disposal: Yes
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: 5

Review - Number of bedrooms: 5

Effluent screen

Effluent screen installed? Y N

Mfr: Polyloc

Alarm: Yes Type: SJE Indoor Tank Alert

Review - Alarm? Y N

Type & Mfr: PS Patrol

Lift pump in system: Yes

Review - Lift pump in system? Y N

Mfr: Goulds 1/2 hp

Component Information

Tank size: 1500 Infiltrator plus 1000 Infiltrator plus 1000 Infiltrator (lift station)

Review - Tank nbr: 3 size: 1500/2 - Mfr: Infiltrator
2-1000 - Brown

Drainfield type: Mound

Review - Drainfield type: MOUND

Drainfield size: Full size - 625
Reduced/warr. size -

Review - Drainfield status: none / installed / next spring

Review - Drainfield size: 10' x 63' Deck bed

Absorption area size: 12 inches

Review - Absorption area size: 26' x 63' soil absorption area

Chamber type/num:
Trench sqft/chamber -

Review - Chamber type:

Num:

Review - Trench sqft/chamber:

Drainfield rock depth: 12 inches

Review - Rock depth: 12" & 24" sand lift

Soil Verification

Vertical separation verified

Boring #1:

Boring #2:

Boring #3:

attached

Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	90 ft	20 ft	170'	20'
Nearest prop line	15 ft	10 ft	30	10
Nearest structure	20 ft	30 ft	20	30
Well	95 ft	105 ft	95	100
OHW	150 ft	170 ft	150+	150+
Pond/Wetland	N/A	N/A		
Pressure line	85 ft	95 ft		

Date System Installed: 4/30/2021

Installer: Chris Ohm

Inspector: Denise Gubrud

BIG CARMONANT LANE

CONROY / SHAW SECTIONS
14213 VIRGINIA BAY RD
061123904

6/30/21

EXISTING 1500/2 INFILTRATOR

Added 1000 Brown Septic
1000 Brown WFF

10' x 63' Rock bed

26' x 63' soil Absorp. Area

24" sand w/ft

soils verified - setbacks ok

cont'd by
James Graham

N
←

115' TO DEEP WELL
←

150'

135' TO DEEP WELL
↙

Installed 12/17-2020
1500/2 Infiltrator

5 BR Dwelling

w/GARAGE DISTANCE

Basement

No Wells

GARAGE

INFILTRATOR TANKS

(1500 (2 Comp))

1000 - Pumpout Tank + SRS Alarm

1000 - 1/2 HP Gravel Pump + SRS Alarm

soils verified

625 SS-ft Main

CONCRETE

1/4" PERES

30" SPACING OF PERES

LARGE OPCS

1-1500/2 Infiltrator tank

20'

VIRGINIA BAY RD

DITM EXCAVATION LLC
#4034 12/12/2020

Becker County Restrictive Layer Verification

Client: Corey Seckerson	Parcel: 061123904	Date: 6-30-2021
Address: 16213 Viking Bay Rd		
Vegetation: Lawn - construction site		
Weather Conditions/Time of Day: 1:00 Sunny		
Observation#/Location/Method: pit - tank Excavation		
Depth (in)	Matrix Color(s)	Mottle Color(s)
15"	C	10 yr 4/4
Texture		
Comments/Notes: 15" - Restrictive - Redox concentration		
Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinance, rules and laws.		
(Designer) Chris Okm	(Inspector) Denise Gybrud	(License #) C8952
		(Date) 6-30-2021



Soil Observation Log

SS 2020 - 837

Project ID: 061123904 v 04.01.2020

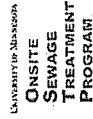
Client: Corey & Shawn Seckerson		Location / Address: 16213 Viking Bay Rd							
Soil parent material(s): (Check all that apply)		<input type="checkbox"/> Outwash	<input type="checkbox"/> Lacustrine	<input type="checkbox"/> Loess	<input checked="" type="checkbox"/> Till	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic Matter		
Landscape Position: (select one)		Back/Side Slope		Slope %: 1.0		Slope shape: Linear, Linear			
Vegetation: Grass		Soil survey map units:							
Weather Conditions/Time of Day:		Sunny		Afternoon		Date: 06/22/21			
Observation #/Location: 1		East end of STA				Observation Type: Auger			
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Shape	Grade	Consistence
0-3	Clay Loam	<35%	10YR 4/3				Blocky	Moderate	Friable
3-15	Clay Loam	<35%	10YR 4/4				Blocky	Moderate	Friable
15+	Clay	<35%	10YR 4/4	10YR 6/8	Concentrations	S1	Blocky	Moderate	Firm
Comments: Limiting condition at 15 inches									

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

Ohm Excavating LLC / Chris Ohm
 (Designer/Inspector)

L4034/C1138
 (License #)

6/22/2021
 (Date)



Soil Observation Log

Project ID: 061123904

V 04:01:2020

Client: Corey & Shawn Seckerson		Location / Address: 16213 Viking Bay Rd							
Soil parent material(s): (Check all that apply)									
<input type="checkbox"/> Outwash	<input type="checkbox"/> Lacustrine	<input type="checkbox"/> Loess	<input checked="" type="checkbox"/> Till						
<input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic Matter								
Landscape Position: (select one)		Elevation relative to benchmark:							
Back/Side Slope	Slope %: 1.0	Linear, Linear							
Vegetation: Grass		Limiting Layer Elevation:							
Soil survey map units:									
Weather Conditions/Time of Day: Sunny		Date: 06/22/21							
Observation #/Location: 2		Observation Type: Auger							
Center of STA									
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Shape	Grade	Consistence
0-3	Clay Loam	<35%	10YR 4/3				Blocky	Moderate	Friable
03-17	Clay Loam	<35%	10YR 4/4				Blocky	Moderate	Friable
17+	Clay	<35%	10YR 4/4	10YR 6/8	Concentrations	S1	Blocky	Moderate	Firm
Comments Limiting condition at 17 inches									
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
Ohm Excavating LLC / Chris Ohm								L4034/C1138	
(Designer/Inspector)								(License #)	
								6/22/2021	
								(Date)	



Soil Observation Log

Project ID: 061423904 V 04-01-2020

Client: **Corey & Shawn Seckerson** Location / Address: **16213 Viking Bay Rd**

Soil parent material(s): (Check all that apply) Outwash Laaustrine Loess Till Alluvium Bedrock Organic Matter

Landscape Position: (select one) Back/Side Slope Slope %: **1.0** Slope shape **Linear, Linear** Elevation-relative to benchmark:

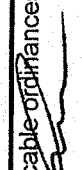
Vegetation: **Grass** Soil survey map units:

Weather Conditions/Time of Day: **Sunny** Afternoon Date **06/22/21**

Observation #/Location: **3** West end of STA Observation Type: **Auger**

Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	Structure		Consistence
							Shape	Grade	
0-3	Clay Loam	<35%	10YR 4/3				Blocky	Moderate	Friable
03-15	Clay Loam	<35%	10YR 4/4				Blocky	Moderate	Friable
15+	Clay	<35%	10YR 4/4	10YR 6/8	Concentrations S1		Blocky	Moderate	Firm
Comments Limiting condition at 15 inches									

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

Ohm Excavating LLC / Chris Ohm (Designer/Inspector)  L4034/C1138 (License #) 6/22/2021 (Date)



Mound Design Worksheet

≥1% Slope



1. SYSTEM SIZING: Project ID: 061123904 v 04.01.2020

- A. Design Flow: GPD
- B. Soil Loading Rate: GPD/ft²
- C. Depth to Limiting Condition: ft
- D. Percent Land Slope: %
- E. Design Media Loading Rate: GPD/ft²
- F. Mound Absorption Ratio:

Percolation Rate (MPI)	Treatment Level C		Treatment Level A, A-2, B	
	Absorption Area Loading Rate (gpd/ft ²)	Mound Absorption Ratio	Absorption Area Loading Rate (gpd/ft ²)	Mound Absorption Ratio
<0.1	-	1	-	1
0.1 to 5	1.2	1	1.6	1
0.1 to 5 (fine sand and loamy fine sand)	0.6	2	1	1.6
6 to 15	0.78	1.5	1	1.6
16 to 30	0.6	2	0.78	2
31 to 45	0.5	2.4	0.78	2
46 to 60	0.45	2.6	0.6	2.6
61 to 120	-	5	0.3	5.3
>120	-	-	-	-

Measured Perc Rate	OR	Texture - derived mound absorption ratio	OR	Contour Loading Rate:
≤ 60mpi		1.0, 1.3, 2.0, 2.4, 2.6		≤ 12
61-120 mpi	OR	5.0		≤ 12
≥ 120 mpi*		>5.0*		≤ 6*

*Systems with these values are not Type I systems. Contour Loading Rate (linear loading rate) is a recommended value.

2. DISPERSAL MEDIA SIZING

- A. Calculate Dispersal Bed Area: Design Flow ÷ Design Media Loading Rate

$$\frac{750 \text{ GPD}}{1.2 \text{ GPD/ft}^2} = 625 \text{ ft}^2$$
 If a larger dispersal media area is desired, enter size: ft²
- B. Enter Dispersal Bed Width: ft *Can not exceed 10 feet*
- C. Calculate Contour Loading Rate: Bed Width X Design Media Loading Rate

$$10 \text{ ft} \times 1.2 \text{ GPD/ft}^2 = 12.0 \text{ gal/ft}$$
Can not exceed Table 1
- D. Calculate Minimum Dispersal Bed Length: Dispersal Bed Area ÷ Bed Width

$$\frac{625 \text{ ft}^2}{10.0 \text{ ft}} = 62.5 \text{ ft}$$

3. ABSORPTION AREA SIZING

- A. Calculate Absorption Width: Bed Width X Mound Absorption Ratio

$$10.0 \text{ ft} \times 2.6 = 26.0 \text{ ft}$$
- B. For slopes >1%, the Absorption Width is measured downhill from the upslope edge of the Bed.
 Calculate Downslope Absorption Width: Absorption Width - Bed Width

$$26.0 \text{ ft} - 10.0 \text{ ft} = 16.0 \text{ ft}$$

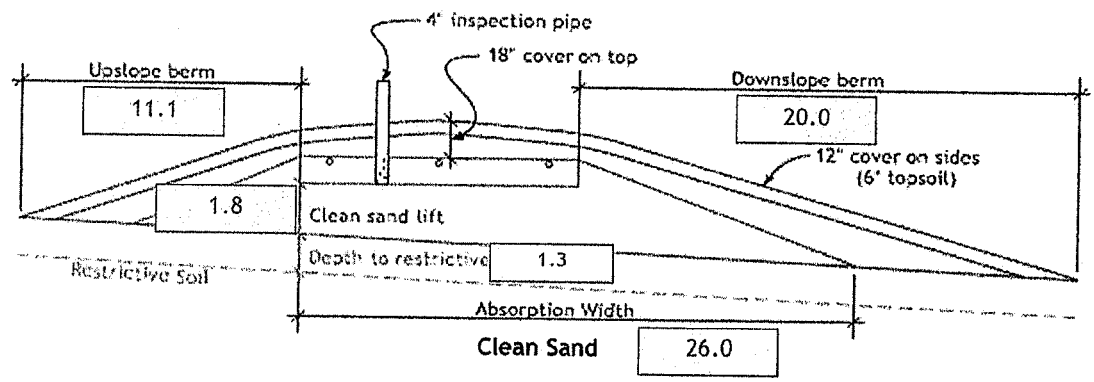
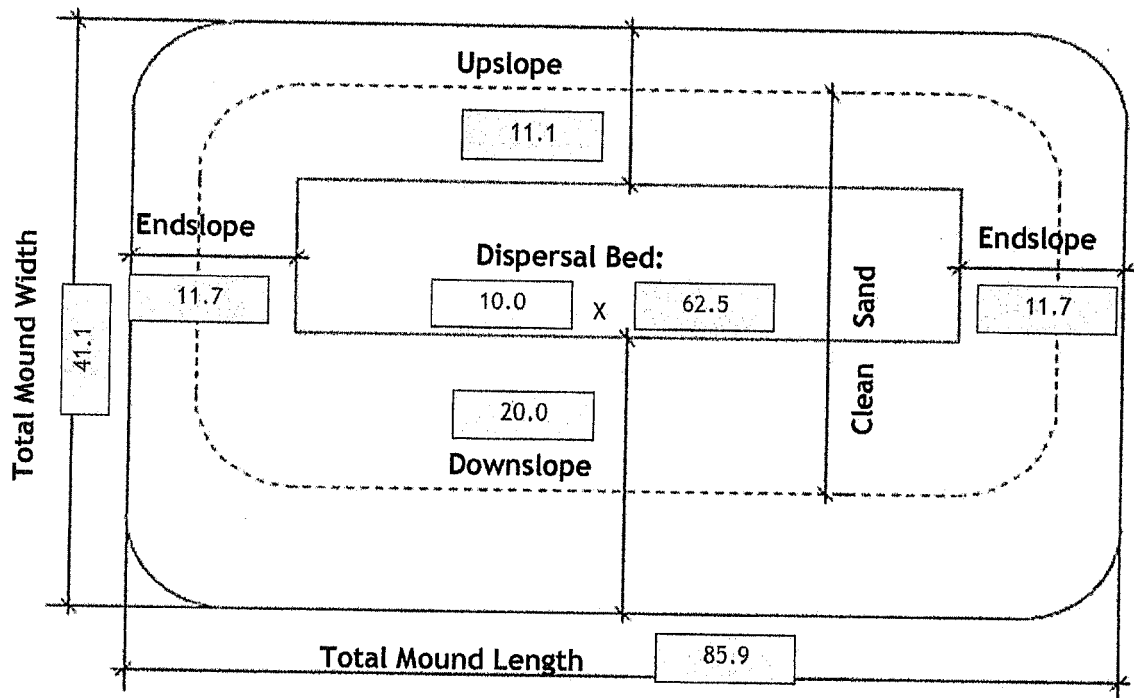
4. DISTRIBUTION MEDIA: ROCK Project ID: 061123904

- A. Rock Depth Below Distribution Pipe
 in ft

7. MOUND DIMENSIONS

Project ID:

061123904



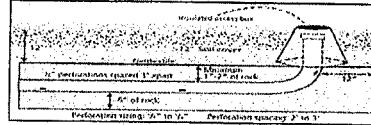
Comments:

Pressure Distribution Design Worksheet

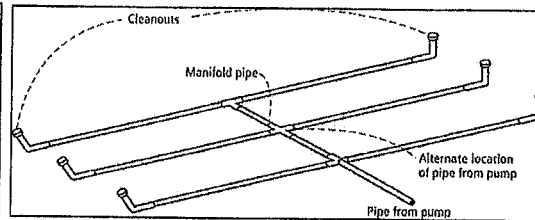
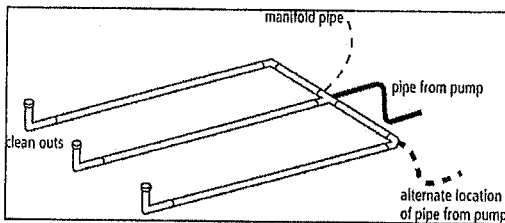
Project ID: 061123904

v 04.01.2020

1. Media Bed Width: ft
2. Minimum Number of Laterals in system/zone = Rounded up number of $[(\text{Media Bed Width} - 4) \div 3] + 1$.
 $[(\text{ } 10 \text{ } - 4) \div 3] + 1 = \text{ } 3 \text{ } \text{laterals}$ *Does not apply to at-grades*
3. Designer Selected Number of Laterals: laterals
Cannot be less than line 2 (Except in at-grades)
4. Select Perforation Spacing: ft
5. Select Perforation Diameter Size: in
6. Length of Laterals = Media Bed Length - 2 Feet.
 - 2ft = ft *Perforation can not be closer than 1 foot from edge.*
7. Determine the Number of Perforation Spaces. Divide the Length of Laterals by the Perforation Spacing and round down to the nearest whole number.
 Number of Perforation Spaces = ft \div ft = Spaces
8. Number of Perforations per Lateral is equal to 1.0 plus the Number of Perforation Spaces. Check table below to verify the number of perforations per lateral guarantees less than a 10% discharge variation. The value is double with a center manifold.
 Perforations Per Lateral = Spaces + 1 = Perfs. Per Lateral



Maximum Number of Perforations Per Lateral to Guarantee <10% Discharge Variation											
1/4 Inch Perforations						7/32 Inch Perforations					
Perforation Spacing (Feet)	Pipe Diameter (Inches)					Perforation Spacing (Feet)	Pipe Diameter (Inches)				
	1	1 1/4	1 1/2	2	3		1	1 1/4	1 1/2	2	3
2	10	13	18	30	60	2	11	16	21	34	68
2 1/2	8	12	16	28	54	2 1/2	10	14	20	32	64
3	8	12	16	25	52	3	9	14	19	30	60
3/16 Inch Perforations						1/8 Inch Perforations					
Perforation Spacing (Feet)	Pipe Diameter (Inches)					Perforation Spacing (Feet)	Pipe Diameter (Inches)				
	1	1 1/4	1 1/2	2	3		1	1 1/4	1 1/2	2	3
2	12	18	26	46	87	2	21	33	44	74	149
2 1/2	12	17	24	40	80	2 1/2	20	30	41	69	135
3	12	16	22	37	75	3	20	29	38	64	128



9. Total Number of Perforations equals the Number of Perforations per Lateral multiplied by the Number of Perforated Laterals.
 Perf. Per Lat. X Number of Perf. Lat. = Total Number of Perf.
10. Spacing of laterals; Must be greater than 1 foot and no more than 3 feet: ft
11. Select Type of Manifold Connection (End or Center):
12. Select Lateral Diameter (See Table): in

Pressure Distribution Design Worksheet

13. Calculate the *Square Feet per Perforation*.

Recommended value is 4-11 ft² per perforation, Does not apply to At-Grades

a. *Bed Area* = Bed Width (ft) X Bed Length (ft)

ft X ft = ft²

b. *Square Foot per Perforation* = Bed Area ÷ by the Total Number of Perfs

ft² ÷ perf = ft²/perf

14. Select *Minimum Average Head*:

ft

15. Select *Perforation Discharge* based on Table:

GPM per Perf

16. *Flow Rate* = Total Number of Perfs X *Perforation Discharge*.

Perfs X GPM per Perforation = GPM

17. *Volume of Liquid Per Foot of Distribution Piping (Table II)*:

Gallons/ft

18. *Volume of Distribution Piping* =

= [Number of Perforated Laterals X Length of Laterals X (Volume of Liquid Per Foot of Distribution Piping)]

X ft X gal/ft = Gallons

19. *Minimum Delivered Volume* = Volume of Distribution Piping X 4

gals X 4 = Gallons

Perforation Discharge (GPM)				
Head (ft)	Perforation Diameter			
	1/4	3/16	7/16	1/4
1.0 ^a	0.18	0.41	0.56	0.74
1.5	0.22	0.51	0.69	0.9
2.0 ^b	0.26	0.59	0.80	1.04
2.5	0.29	0.65	0.89	1.17
3.0	0.32	0.72	0.98	1.28
4.0	0.37	0.83	1.13	1.47
5.0 ^c	0.41	0.93	1.26	1.65
1 foot	Dwellings with 3/16 inch to 1/4 inch perforations			
2 feet	Dwellings with 1/8 inch perforations Other establishments and HSTS with 3/16 inch to 1/4 inch perforations			
5 feet	Other establishments and HSTS with 1/8 inch perforations			

Table II Volume of Liquid in Pipe	
Pipe Diameter (inches)	Liquid Per Foot (Gallons)
1	0.045
1.25	0.078
1.5	0.110
2	0.170
3	0.380
4	0.661

Comments/Special Design Considerations:

1. PUMP CAPACITY		Project ID: 061123904	v 04.01.2020
Pumping to Gravity or Pressure Distribution:		<input type="text" value="Pressure"/>	
A. If pumping to gravity enter the gallon per minute of the pump:	<input type="text"/>	GPM	(10 - 45 gpm)
B. If pumping to a pressurized distribution system:	<input type="text" value="56.0"/>	GPM	
C. Enter pump description:	<input type="text" value="Demand Dosing"/>		

2. HEAD REQUIREMENTS		
A. Elevation Difference between pump and point of discharge:	<input type="text" value="7"/> ft	
B. Distribution Head Loss:	<input type="text" value="5"/> ft	
C. Additional Head Loss:	<input type="text"/> ft (due to special equipment, etc.)	

Distribution Head Loss	
Gravity Distribution = 0ft	
Pressure Distribution based on Minimum Average Head Value on Pressure Distribution Worksheet:	
Minimum Average Head	Distribution Head Loss
1ft	5ft
2ft	6ft
5ft	10ft

Table I. Friction Loss in Plastic Pipe per 100ft				
Flow Rate (GPM)	Pipe Diameter (inches)			
	1	1.25	1.5	2
10	9.1	3.1	1.3	0.3
12	12.8	4.3	1.8	0.4
14	17.0	5.7	2.4	0.6
16	21.8	7.3	3.0	0.7
18		9.1	3.8	0.9
20		11.1	4.6	1.1
25		16.8	6.9	1.7
30		23.5	9.7	2.4
35			12.9	3.2
40			16.5	4.1
45			20.5	5.0
50				6.1
55				7.3
60				8.6
65				10.0
70				11.4
75				13.0
85				16.4
95				20.1

D. 1. Supply Pipe Diameter:	<input type="text" value="2.0"/> in
2. Supply Pipe Length:	<input type="text" value="40"/> ft
E. Friction Loss in Plastic Pipe per 100ft from Table I:	
Friction Loss =	<input type="text" value="7.53"/> ft per 100ft of pipe
F. Determine <i>Equivalent Pipe Length</i> from pump discharge to soil dispersal area discharge point. Estimate by adding 25% to supply pipe length for fitting loss. <i>Supply Pipe Length X 1.25 = Equivalent Pipe Length</i>	
<input type="text" value="40"/> ft X 1.25 =	<input type="text" value="50.0"/> ft
G. Calculate <i>Supply Friction Loss</i> by multiplying <i>Friction Loss Per 100ft</i> by the <i>Equivalent Pipe Length</i> and divide by 100.	
Supply Friction Loss =	<input type="text" value="7.53"/> ft per 100ft X <input type="text" value="50.0"/> ft ÷ 100 = <input type="text" value="3.8"/> ft
H. <i>Total Head</i> requirement is the sum of the <i>Elevation Difference</i> + <i>Distribution Head Loss</i> + <i>Additional Head Loss</i> + <i>Supply Friction Loss</i>	
<input type="text" value="7.0"/> ft + <input type="text" value="5.0"/> ft + <input type="text"/> ft + <input type="text" value="3.8"/> ft =	<input type="text" value="15.8"/> ft

3. PUMP SELECTION	
A pump must be selected to deliver at least	56.0 GPM with at least 15.8 feet of total head.
Comments:	
Goulds 1/2 HP Pump	



Pump Tank Design Worksheet (Demand Dose)

DETERMINE TANK CAPACITY AND DIMENSIONS Project ID: 061123904 v 04.01.2020

1. A. Design Flow (Design Sum. 1A): GPD C. Tank Use:
 B. Min. required pump tank capacity: Gal D. Recommended pump tank capacity: Gal

2. A. Tank Manufacturer: B. Tank Model:
 C. Capacity from manufacturer: Gallons
 D. Gallons per inch from manufacturer: Gallons per inch
 E. Liquid depth of tank from manufacturer: inches

Note: Design calculations are based on this specific tank. Substituting a different tank model will change the pump float or timer settings. Contact designer if changes are necessary.

DETERMINE DOSING VOLUME

3 Calculate Volume to Cover Pump (The inlet of the pump must be at least 4-inches from the bottom of the pump tank & 2 inches of water covering the pump is recommended)
 (Pump and block height + 2 inches) X Gallons Per Inch
 (in + 2 inches) X Gallons Per Inch = Gallons

4 Minimum Delivered Volume = 4 X Volume of Distribution Piping:
 -Item 18 of the Pressure Distribution or Item 11 of Non-level Gallons (Minimum dose) Inches/dose

5 Calculate Maximum Pumpout Volume (25% of Design Flow)
 Design Flow: GPD X 0.25 = Gallons (Maximum dose) Inches/dose

6 Select a pumpout volume that meets both Minimum and Maximum: Gallons

7 Calculate Doses Per Day = Design Flow ÷ Delivered Volume
 gpd ÷ gal = Doses

8 Calculate Drainback:
 A. Diameter of Supply Pipe = inches
 B. Length of Supply Pipe = feet
 C. Volume of Liquid Per Lineal Foot of Pipe = Gallons/ft
 D. Drainback = Length of Supply Pipe X Volume of Liquid Per Lineal Foot of Pipe
 ft X gal/ft = Gallons

9. Total Dosing Volume = Delivered Volume plus Drainback
 gal + gal = Gallons

10. Minimum Alarm Volume = Depth of alarm (2 or 3 inches) X gallons per inch of tank
 in X gal/in = Gallons

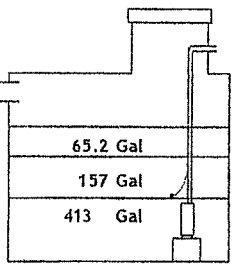
Volume of Liquid in Pipe	
Pipe Diameter (inches)	Liquid Per Foot (Gallons)
1	0.045
1.25	0.078
1.5	0.110
2	0.170
3	0.380
4	0.661

DEMAND DOSE FLOAT SETTINGS

11. Calculate Float Separation Distance using Dosing Volume.
 Total Dosing Volume / Gallons Per Inch
 gal ÷ gal/in = Inches

12. Measuring from bottom of tank:
 A. Distance to set Pump Off Float = Pump + block height + 2 inches
 in + 2 in = Inches
 B. Distance to set Pump On Float = Distance to Set Pump-Off Float + Float Separation Distance
 in + in = Inches
 C. Distance to set Alarm Float = Distance to set Pump-On Float + Alarm Depth (2-3 inches)
 in + in = Inches

Inches for Dose: in
 Alarm Depth: in
 Pump On: in
 Pump Off: in





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

① tank installed
 12/17/2020
 counted in 2020

11:00 6/30/2021
~~12/17/2020~~
 10:30 ohm

Septic Permit

Permit #: SS2020-837

Owner & Property Information

Owner Name:	COREY SECKERSON	Parcel #:	061123904
Mailing Address:	COREY SECKERSON 6966 40TH ST S JAMESTOWN ND 58401	Secondary Parcel #:	
Phone #:	701-429-0734	Site Address:	16213 Viking Bay Rd
Lake/River(1000/300):	Yes	Township - Sec/Twp/Rng:	CORMORANT - 01/138/043
Lake/River Name:	Big Cormorant (Lake Eunice & Cormorant) [RD]	Designer:	Ohm Excavating, L4032 (Chris Ohm)
Pond/Wetland(50):	No	Installer:	Ohm Excavating LLC, L4034 (Chris Ohm)

Specifications

Tank to be Installed:	Single Tank plus Compartmented Tank	Type of Drainfield:	Mound
Total # Tanks Installed:	3	Full Size of Drainfield:	625
System Status:	No Existing System	Reduced/Warrantied Size:	
System Serves:	Full-Time Dwelling	Absorbtion Area Size:	1625 sq ft
Number of Bedrooms:	5	Rock Depth:	12 inches
Design Flow/GPD:	750	Chamber Type and Number:	
Garbage Disposal?	Yes	Chamber Trench SqFt/Chamber:	
Size of Lift Pump:	1/2 HP Goulds	Is System Pressurized?	Yes
Size of Lift Line:	2 inch	Alarm?	Yes
Soil Sizing Factor:	0.45	Type of Alarm:	SJE Indoor Tank Alert

Setbacks

Road Type:	Public / Township	Right of Way Marked:	Yes
Tank Dist to Road:	90 ft	Drainfield Dist to Road:	20 ft
Tank Dist to Closest Prop Line:	15 ft	Drainfield Dist to Closest Prop Line:	15 ft
Tank Dist to Nearest Structure:	20 ft	Drainfield Dist to Nearest Structure:	30 ft
Tank Dist to Well:	95 ft	Drainfield Dist to Well:	105 ft
Tank Dist to OHW:	150 ft	Drainfield Dist to OHW:	170 ft
Tank Dist to Pond/Wetland:	N/A	Drainfield Dist to Pond/Wetland:	N/A
Tank Dist to Pressure Line:	85 ft	Drainfield Dist to Pressure Line:	95 ft

Other Information

Date Approved:	12/14/2020
Permit Fee:	225.00
Receipt Number:	249487986
Date Paid:	12/16/2020
Notes: Install two septic tanks: 1500 & 1000 gallon Install a 1000 gallon lift tank Drainfield will be installed in the spring. At that time, the soils will be verified	

Zoning Office Signature:

Denise Gubrud