FIELD EVALUATION SHEET

PRELIMINARY EVALUATION DATE 4/19/2020, FIELD EVALUATION DATE
PHONE CIA - DUTESTALL
ADDRESS: 45125 1931d AN CITY, STATE, ZIP: Mcg yor MN 55760
DINH OC 1 101 () (2)
FIRE# IAVE/DIVED
LAKE/RIVER LAKE CLASS OHWL FT.
DESCRIPTION OF SOIL TREATMENT AREAS
AREA #1 AREA #2 DECEDENCE DATE OF THE PROPERTY AREA
YES NO REFERENCE BM DESCRIPTION
FLOORING TOP OF POINT ALGOSIGNME
TES_NOY YES_NO
RUN ON POTENTIAL YES NO Y YES NO SLOPE %
DIRECTION OF SLOPE
LANDSCAPE POSITION
VEGETATION TYPES
DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 45+, 1A, 2 65+,2A
BOTTOM ELEVATION-FIRST TRENCH OR BOTTOM OF ROCK BED: #1 97.50FT., #2FT.
SOIL SIZING FACTOR: SITE #1 76 , SITE #2
CONSTRUCTION RELATED ISSUES: Tellain Varies frequently
LIC# L 552 SITE EVALUATOR SIGNATURE: SHOW DOWN
SITE EVALUATOR SIGNATURE:
SITE EVALUATOR NAME:TELEPHONE# 218-4285
UG REVIEW DATE 4/25/2020
Comments: Soil Dit was duy to evaluable soil
SOIL BORING LOGS ON REVERSE SIDE

SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

1 (PROPOSED) SOILS DATA

DEPTH	TEXTURE MUNSELL
(INCHES)	SALE TO COLUMN THE REAL PROPERTY.
0-411	Topso:11
41-2811	Sandylour 7.5 y/
28"-44"	Sondy to toany sond 7.5 yr
	W/35% ROCK 6/6
441-651	larry Said 7-5 yk
	1035 Aug 35% NOCK 5/6

2 (PROPOSED) SOILS DATA

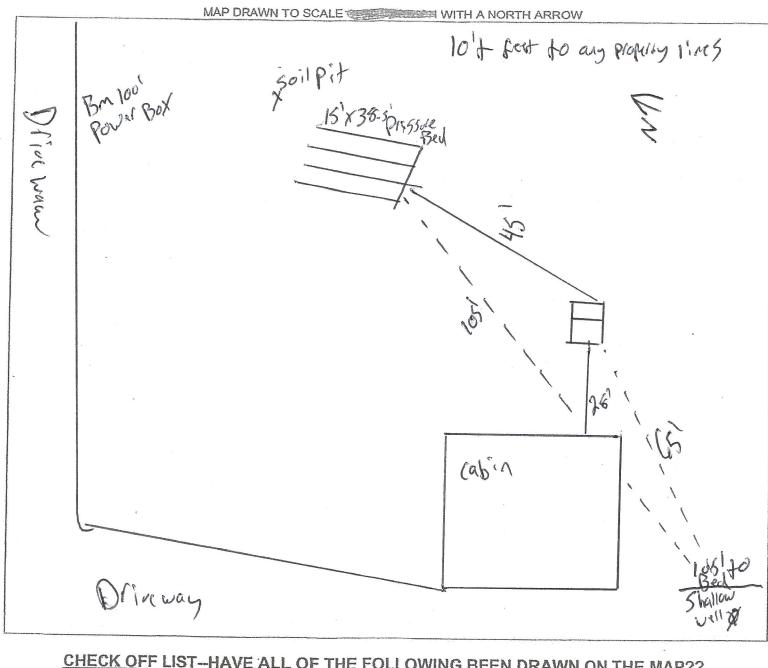
DEL	7 17 - Tr.		TE	XTU	3E.	IVI	INSE	LL	array entra Consumo	
(INC	HES	K		ter sy	1.4a. W	CC	EOF			480-10
						**********	-			

1 (ALTERNATE) SOILS DATA

INCHES)	* A Total

2 (ALTERNATE) SOILS DATA

(INGHES)	ind dismutaria	25/1 GOTOS	14
	The state of the section of the sect	*	***************************************
ile.			
	4		



CHECK OFF LIST-HAVE ALL OF THE FOLLOWING BEEN DRAWN ON THE MAP??

CITCH LAISTING OR PROP	USEU
WATER WELLS WITHIN 100	FT OF TREATMENT AREAS
PRESSURE WATER LINES	WITHIN 10 FT OF TREATMENT AREAS
EXISTRUCTURES	LOTIMPROVEMENTS
ALL SOIL TREATMENT ARE	AS ALL ISTS COMPONENTS
HORIZONTAL AND VERTICA	NLREFERENCE
POINT OF SOIL BORINGS	☐ DIRECTION OF SLOPE
LOTEASEMENTS	☐ ALL LOT DIMENSIONS
L DISTURBED/ COMPACTED	AREAS
L STEPROTECTION-LATHE	AND RIBBON EVERY 15 FT
LI ACCESS ROUTE FOR TANK REQUIRED SETBACKS	MAINTENANCE
STRUCTURES	
OHWL	PROPERTY LINES
COMMENTS:	
The state of the s	mar
DESIGNER SIGNATU	
) / ())	had been

LICENSE# L 552

INDICATE ELEVATIONS

BENCHMARK	100
ELEVATION OF SEWER LINE @ HOUSE	99.25
ELEVATION @ TANK INLET	97.08
ELEVATION @ BOTTOM OF ROCK LAYE	R 97.58
ELEVATION @ BOTTOM OF BORING OF	3
RESTRICTIVE LAYER	92.17
ELEVATION OF PUMP	93.08
ELEVATION OF DISTRIBUTION DEVICE	90.00

DATE 4/25/2020

version 3.2

Pressure Bed Design

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

	Property Owner:	Darryl Pepper	Date:	4/25/2020			
	Site Address: Comments:	484425 193rd Ave McGregor MN 55760	PID:	29-1-181800			
	instructions:	= req'd input = input or default] = calculated field	*** = installer info		
1)	3 bedroom	Type I Residential	Systen		moduce mo		
2)	450 GPD design flo	hospitanianiani	Systen	i F			
3)		osal or pumped to septic					
4) ***	hannaman and a second	tank (minimum) Tank options:		none			
5)	0.78 GPD/ft ² Soil L			577 ft ² LUG minim	um		
6) ***	15.0 ft desired be (25' maxim		i				
7 ***	3.0 ft lateral space			mum 3 for both)			
		end feed manif	old con	nection			
8) ***	5 laterals	36.5 feet long 13.0 perfs / latera		65 perfs total	food manifold)		
9) ***	(1/2 perf means the first perf starts at the middle feed manifold) 9) *** 7/32 inch perfs at 1 feet residual head gives 0.56 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 = 19, line #8 must be less> OK						
10)							
11)	113 gallons per do	,					
12)	12) 1.50 inch diameter laterals (or smaller) will meet "5x pipe volume"						
	2.00 inch diameter	r laterals (or smaller) will meet "3x pipe volur	ne"				
13) ***	45 feet of	1.5 inch supply line leads to 5		s of drainback volume feed" to control the di			
14)	118 gallons TOTAI	pump out volume (treatment + drainback)	, ,		•		
15)	5 feet vertical l	ift from pump to dispersal area, leads to a					
16) ***	37 GPM @ (>50 gpm ma	19 feet of head, Pump requirement y require additional 3-6' head allowance for o	lischarg	ge assy)			

17) *** 100	0 gal Dose tank (minimum) at	25.00 gpi					
18) *** 4.7	inch swing on Demand float, or Timed dosing of (<100% of design flow requires a larger OFF time)		(confirm pump rate with drawdown test and adjust as necessary)				
19) 12 20) *** 17 21) *** 20	inches from bottom of tank to "Pump ON" float, or inches from bottom of tank to "Hi Level" float (a	12 inches to "time add 5-15 inches if Time					
22) 500 23) 48			ust match the soil boring log)				
24) 36 25) *** 12	leads to bottom of rock no more than:	red CRITICAL FOR FUTUR	E CERTIFICATIONS!!!				
26) *** 6 2	inches of rock below the pipe inches of rock to cover the pipe						
27) Overa	Overall Dimensions: 15.0 ft. wide by 38.5 ft. long Pressure Bed						
28) *** Rock Bed materials: 15 ft. by 38.5 ft. by 8 inches total, plus 20% gives 18 yd³ or *1.4= 25 ton							
I here	I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.						
4	Ekelund Excavating In Company		4/25/2020				

Installer Summary

1000 gallon Septic tank (minimum) none
1000 gallon Dose tank (minimum) at 25.00 gpi
37 GPM @ 19 Ift. of head, Pump required
4.7 inch swing on Demand float or 3.2 minutes ON time & 5.9 hours OFF time
inches from bottom of tank to "pump ON" float, or 20 inches from bottom of tank to "Hi Level Alarm" float
45 ft. of 1.5 inch supply line with end feed manifold connection
5 laterals 1.50 inch diameter 36.5 feet long 3.0 ft lateral spacing
7/32 inch perfs 3.0 ft perforation spacing
No Effluent filter & alarm 5 clean out & valve box assembly
Pressure Bed: 15.0 ft. wide by 38.5 ft. Long
Bottom of rock no more than: 12 inches, or 1.0 ft. Below existing grade
inches of rock below the pipe
Overall Dimensions: 15 ft. wide by 38.5 ft. long Pressure Bed
Rock Bed materials: 18 yd³ or *1.4= 25 ton

Subsurface Sewage Treatment System Management Plan

		Tarriett (CIII
Property Owner: Dassyl Deple	Phone:	11/01/0-0
Mailing Address:		Date: <u>4/24/202</u>
Site Address: 48425 19314 Av.	City:	Zip:
Site Address. 18 177 117 19VC	City: Mc Glegor M	1N Zip: 55760
This management plan will identify the operation and ma performance of your septic system. Some of these activity	intenance activities necessary t	o ensure long-term
performance of your septic system. Some of these activiti must be performed by a licensed septic service provider of	es must be performed by you, t	the homeowner. Other tasks
a service provider c	maintenance provider.	
System Designer: Recommends SSTS check every Local Government: Recommends SSTS check every	months. My Syste	em needs to be checked
requirement. Requires SSTS chack even; 26	mal.	ery 12 months.
(State requirements are based on MN Rules Chapter 7080.2450, Subp.	2 & 3)	cry 1/2 months.
Homeowner Management Tasks:		
Leaks - Check (look, listen) for looks in tailet	•	
Leaks – Check (look, listen) for leaks in toilets and dripping Surfacing sewage – Regularly check for wet or spongy soil	faucets. Repair leaks promptly	
Effluent filter – Inspect and clean twice a year or more.	around your soil treatment are	a.
Alarms - Alarm signals when there is a problem. Contact a	service or maintenance	
and the state of t		er any time an alarm signals.
-recommend meter readings be conducted (circle	one: <u>DAILY</u> WEEKLY MO	ONTHLY N/A)
		ONTHLY N/A)
Licensed septic service provider or maintenance provider	(Check all that apply):	
Check to make sure tank is not leaking		
Check and clean the in-tank effluent filter (if ex	(ists)	
Check the sludge/scum layer levels in all septic	: tanks	
Recommend if tank should be pumped		•
☐ Check inlet and outlet baffles		
Check the drainfield effluent levels in the rock	layer	
☐ Check the pump and alarm system functions		
☐ Check wiring for corrosion and function		
☐ Check dissolved oxygen and effluent temperate	are in tank	
Provide homeowner with list of results and any	action to be taken	
☐ Flush and clean laterals if cleanouts exist		
I understand it is not seen as a seen as		
"I understand it is my responsibility to properly operate and main Management Plan. If requirements in the Management Plan are i	tain the sewage treatment system	on this property, utilizing the
Management Plan. If requirements in the Management Plan are in the Manageme	not met, I will promptly notify the	permitting authority and take
necessary corrective actions. If I have a new system, I agree to adsystem."	equately protect the reserve area	for future use as a soil treatment
Property Owner Signature:	Da	te: 4/19/20
Designer Signature: 200 0 6/10		te: 4/19/20
The state of the s	Da	te: 4 //9/20

See Reverse Side for Management Log