INSPECTOR CHECKLIST - mound

11994 State Hwy. 27

☐ WELL setbacks: 20' to pressure tested sewer line (5 psi for 15 min)
50' to everything 100' to dispersal area 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 se 10' to bed,tank & sewer line. (else sewer line > 12" below, else ok w/pvc)

☐ Sewer line & baffle connection (no 90's, 3' between 45's, slope min 1" in 8', max 2" in 8')
(no depth req's, clean out every 100', Sch 40 pipe)

☐ Septic tank and risers (water tight, insulated, proper depth, existing verified by pumping)
mfg_____ 1140 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, insulated, proper depth, drainback)
mfg_____ 510 gallons

☐ dose pump _____ 18 gpm 15 head VERIFY PUMP CURVE 4.4 min ON 9 hr OFF

☐ float setting drop 7.1 inches at 11.2 gpi "DESIGNED" 4.6 inches approx float tether length
80.0 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
☐ flow measurement: CT, ETM, time dosed, home water meter
☐ mound absorption area rough up
☐ mound rock dimensions 10.0 X 25.0
☐ Sand lift depth 24 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)

☐ Absorption Sand beyond rock 12.0 upslope 12.0 downslope

☐ Bermed topsoil beyond rockbed 16 upslope 16 sideslope 16 downslope

☐ cover depth of 12-18"+ VERIFY
☐ 3 laterals (1-2' from edge of rock)
☐ 1.50 inch pipe size (Sch40 pipe & fittings)
☐ 3.0 ft lateral spacing

☐ 1/4" inch perforations
☐ 3.0 ft perforation spacing

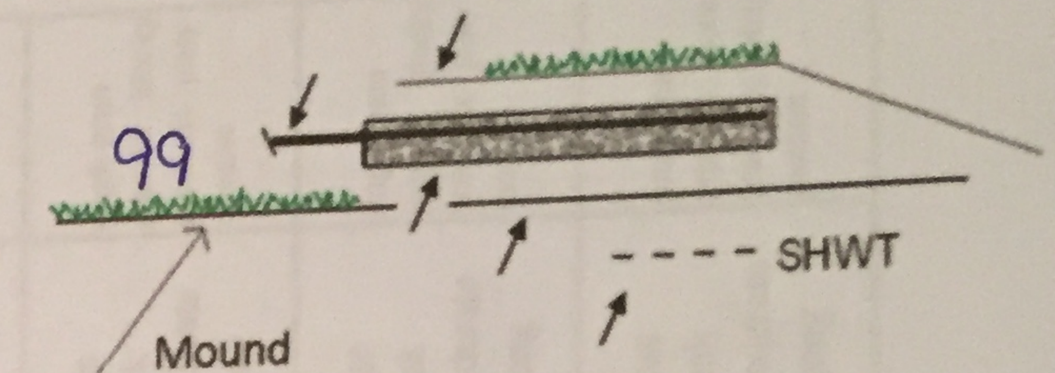
☐ Air inlet at end of laterals, and at top feed manifold if necessary. VERIFY
☐ clean outs (no hard 90's)
☐ 4" inspection pipe to bottom of rock, anchored VERIFY

☐ Abandon existing system - if necessary ☐ Re-use existing tank certification
☐ monitoring plan and type _____
☐ well abandonment form - if necessary

System Elevations

_____ benchmark _____

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



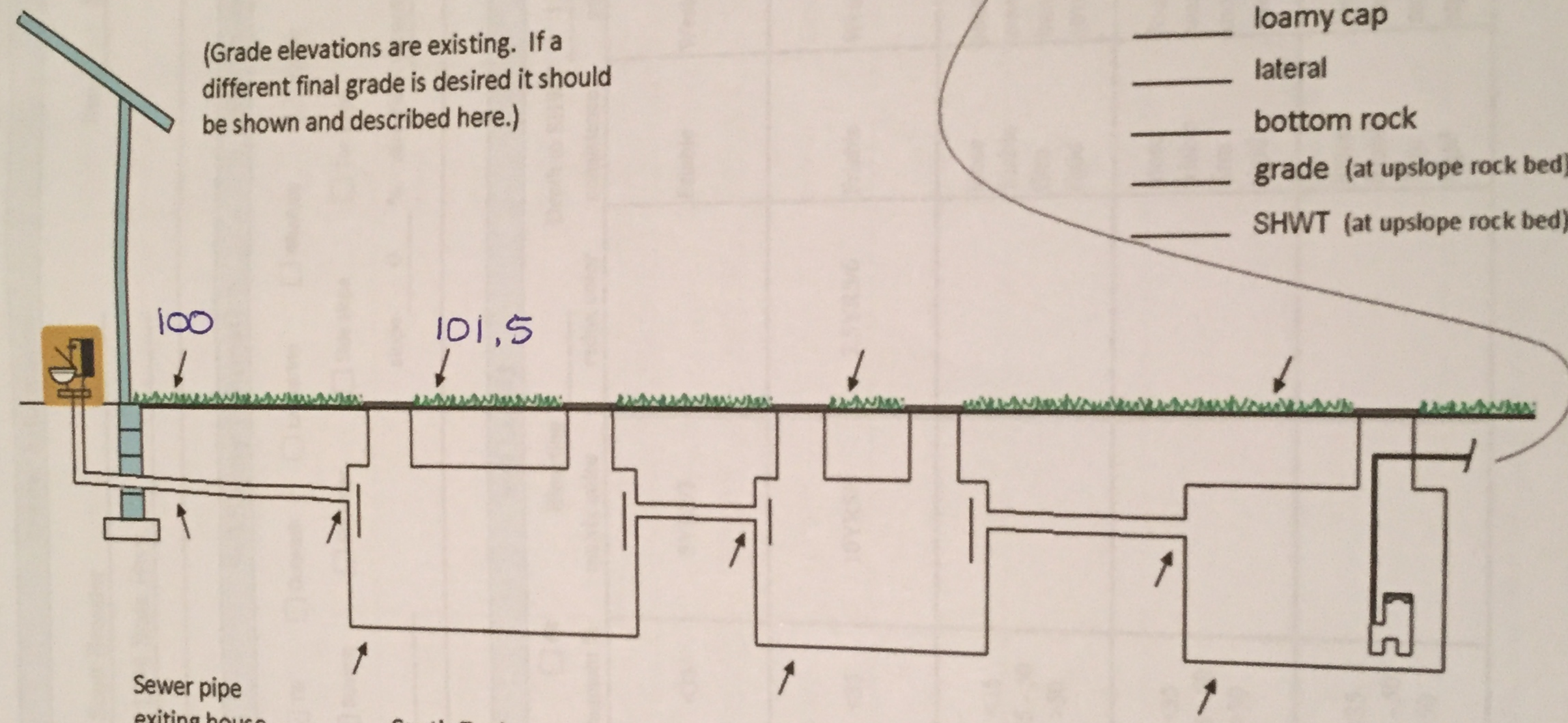
_____ loamy cap

_____ lateral

_____ bottom rock

_____ grade (at upslope rock bed)

_____ SHWT (at upslope rock bed)



Sewer pipe exiting house

_____ Grade

_____ Pipe

Septic Tank

_____ Grade

_____ inlet

_____ Tank bottom

Septic Tank (if applicable)

_____ Grade

_____ inlet

_____ Tank bottom

Pump Tank

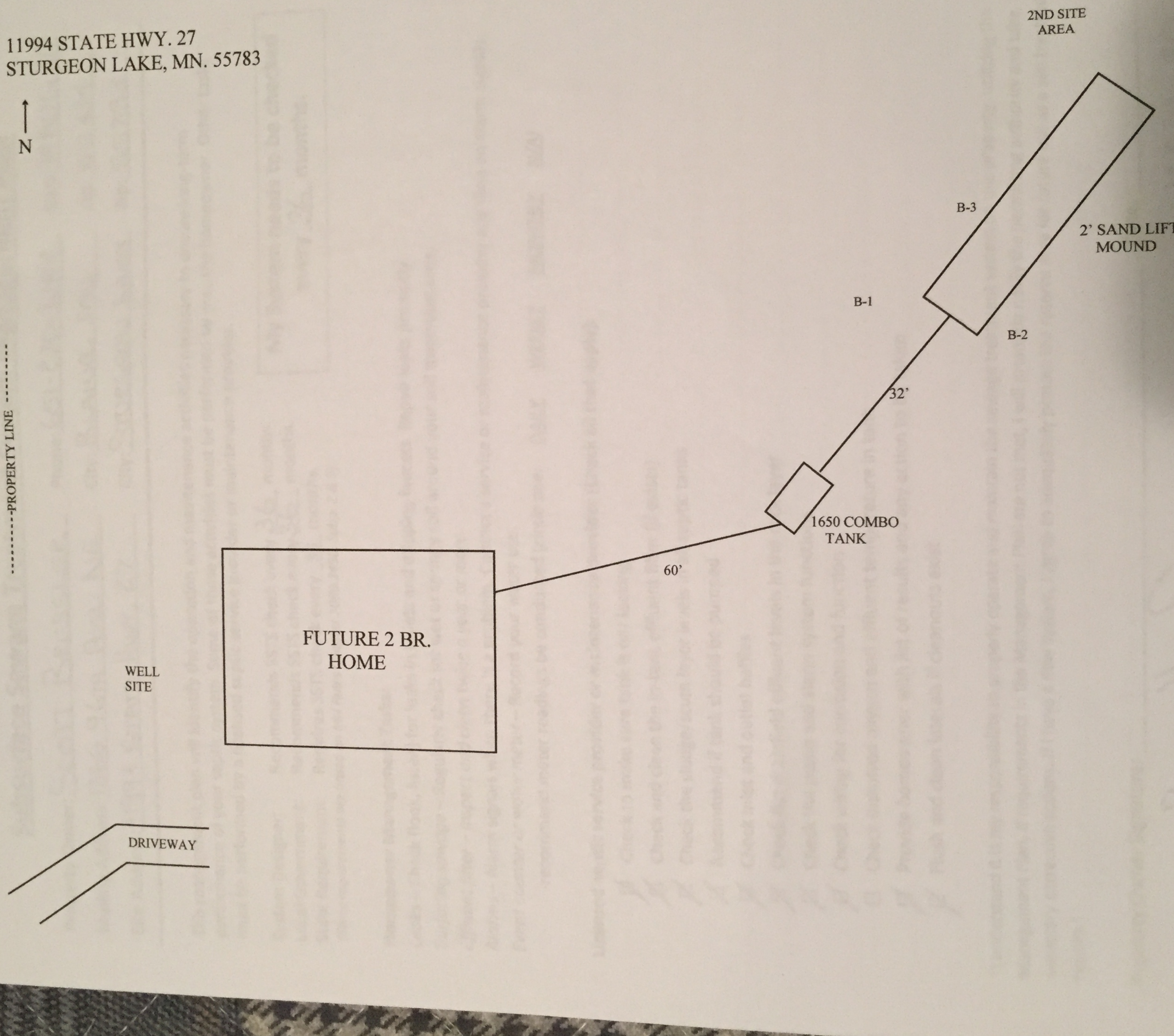
_____ Grade

_____ inlet

_____ Tank bottom

11994 STATE HWY. 27
STURGEON LAKE, MN. 55783

N



Soil Observation Log

www.SepticResource.com vers 12.4

Owner Information

Property Owner / project: Scott Bressler Date 8/14/2020

Property Address / PID: 11994 State Hwy. 27

Soil Survey Information

☐ refer to attached soil survey

Parent matl's: ☑ Till ☐ Outwash ☐ Lacustrine ☐ Alluvium ☐ Organic ☐ Bedrock

landscape position: ☑ Summit ☐ Shoulder ☐ Side slope ☐ Toe slope

soil survey map units: _____ slope 0 % direction- downhill

Soil Log #1

☑ Boring ☐ Pit Elevation _____ Depth to SHWT 12"

Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Blocky
6-12+	Sandy Loam	<35	10YR5/4	7.5YR5/6	Friable	Weak	Granular
		<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
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

Comments: Mottles at 12"

Subsurface Sewage Treatment System Management Plan

Property Owner: SCOTT BRESSLER Phone: 651-270-6184 Date: 14 AUG 20

Mailing Address: 1366 96TH AVE. NE City: BLAINE, MN Zip: 55434

Site Address: 11994 STATE HWY. 27 City: STURGEON LAKE Zip: 55783

This management plan will identify the operation and maintenance activities necessary to ensure long-term performance of your septic system. Some of these activities must be performed by you, the homeowner. Other tasks must be performed by a licensed septic service provider or maintenance provider.

System Designer: Recommends SSTS check every 36 months.
Local Government: Recommends SSTS check every 36 months.
State Requirement: Requires SSTS check every 36 months.
(State requirements are based on MN Rules Chapter 7080.2450, Subp. 2 & 3)

My System needs to be checked every 36 months.

Homeowner Management Tasks:

Leaks – Check (look, listen) for leaks in toilets and dripping faucets. Repair leaks promptly.

Surfacing sewage – Regularly check for wet or spongy soil around your soil treatment area.

Effluent filter – Inspect and clean twice a year or more.

Alarms – Alarm signals when there is a problem. Contact a service or maintenance provider any time an alarm signals.

Event counter or water meter – Record your water use.

-recommend meter readings be conducted (*circle one:* *DAILY* *WEEKLY* *MONTHLY* *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 exists)
- ☑ 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 temperature 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 my responsibility to properly operate and maintain the sewage treatment system on this property, utilizing the Management Plan. If requirements in the Management Plan are not met, I will promptly notify the permitting authority and take necessary corrective actions. If I have a new system, I agree to adequately protect the reserve area for future use as a soil treatment system."

Property Owner Signature: _____ Date: _____

Designer Signature: Roger Hurd Date: 14 AUG 20

See Reverse Side for Management Log

11994 State Hwy. 27		**Soil Log #2**					
	☑ Boring ☐ Pit		Elevation _____		Depth to SHWT 12"		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Blocky
6-12+	Sandy Loam	<35	10YR5/4	7.5YR5/6	Friable	Weak	Granular
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
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		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

11994 State Hwy. 27		**Soil Log #3**					
	☑ Boring ☐ Pit		Elevation _____		Depth to SHWT 12"		
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Blocky
6-12+	Sandy Loam	<35	10YR5/4	7.5YR5/6	Friable	Weak	Granular
		<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
		<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.

Rogan Hind

Designer Signature

R.H. Inspection & Design

Company

3847

License #

ROGER HURD INSPECTION & DESIGN

2169 Schelinder Road, Carlton, MN. 55718

LICENSE #3847 – CERT. #9573

Phone: 218-391-0510 - e-mail: rlhurd1960@hotmail.com

It is up to the Property Owner to protect septic drain field sites from damage.

Rope off area to be protected. Do not drive on site area with a wheeled vehicle of any type. Only a tracked vehicle can be used. (A riding lawn mower is accepted).

Review the stakes that have been placed on the property. Stakes indicate the location of the tank and drain field area. Property lines are to be verified by owner to be ten feet or more from the stakes.

It is the responsibility of the owner to perform maintenance of the system with a licensed maintainer.

The design must be submitted to the Local Government Unit (L.G.U.) for permit. Once the L.G.U. has issued a permit, our responsibility for the design is done.

Any changes of the design should be made prior to L.G.A. approval, call 218-391-0510 for changes. Any changes to design will be at a cost of a new design.

Any tree removal is the responsibility of the home owner. Cut stumps to grade, do not remove roots or stumps.

Before digging get locates! Gopher State One Call is: 1-800-252-1166.

Any results and / or information in this report are strictly the interpretation of the licensed individual issuing the report. All field work and test results were done to the best of the individual's ability, and under no circumstances is any work to be performed or action taken as a result of this report prior to full review and approval by the L.G.U.