

# Preliminary & Field Evaluation Form

www.SepticResource.com vers 12.4

## Owner Information

Date 9/22/2022 Sec / Twp / Rng S.9 T.49 R.22  
 Parcel ID 10-0-013201 LUG (county, city, township) Aitkin County  
 Property Owner: Cole Gordon Owners address (if different) \_\_\_\_\_  
 Property Address: xxxxx Kestrel Ave. \_\_\_\_\_  
 City / State / Zip: Tamarack, MN. 55757 \_\_\_\_\_

## Flow Information and Waste Type / Strength

Estimated Design flow 300 Anticipated Waste strength  Hi Strength  Domestic  
 Comments: Any Non-Domestic Waste  Yes (class V)  No  
 Sewage ejector/grinder pump  Yes  No  
 Water softener  Yes  No  
 Garbage Disposal  Yes  No  
 Daycare / In home business  Yes  No

## Site Information

Existing & proposed lot improvements located (see site map)  Yes  No Well casing depth No well yet  
 Easements on lot located (see site map)  Yes  No Drainfield w/in 100' of residential well  Yes  No  
 Property lines determined (see site map)  Yes  No Site w/in 200' of transient noncommunity water supply (TNCWS)  Yes  No  
 Req'd setbacks determined (see site map)  Yes  No Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)  Yes  No  
 Utilities located & identified (gopher state one call)  Yes  No Buried water supply pipe w/in 50' of system  Yes  No  
 Access for system maintenance (shown on site map)  Yes  No Site located in Shoreland (w/in 1000' of lake, 300' of river)  Yes  No  
 Soil treatment area protected  Yes  No Site map prepared with previous items included  Yes  No  
 Construction related issues Type III system, 3' sand lift recommended.

**Soil Information**

		<b>Evidence of site:</b>	
		Cut	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Filled	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Compacted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Disturbed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Original soils	<input checked="" type="checkbox"/> Yes <input 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 (gpd/ft <sup>2</sup> )	<u>  0.45  </u>	Percolation rate (if applicable)	_____
Depth/elev to SHWT	<u>  6.00  </u>	Flooding or run-on potential (comments)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Depth to system bottom maximum (or elev minimum)	<u> -30.00 </u>	Flood elevation (if applicable)	_____
Depth/elev to standing water (if applicable)	_____	Elevation of ordinary high water level (if applicable)	_____
Depth/elev to bedrock (if applicable)	_____	Floodplain designation and elev - 100 yr/10 yr (if applicable)	_____
Soil Survey information determined (see attachment)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Differences between soil survey and field evaluation (if applicable)	_____ _____		

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

  
Designer Signature

R.H. Inspection & Design  
Company

3847  
License #

## Mound Design - Aitkin county

Property Owner: Cole GordonDate: 9/22/2022Site Address: xxxxx Kestrel Ave.PID: 10-0-013201

Comments: \_\_\_\_\_

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

- 1) 1 bedroom    Type I    Residential    System
- 2) 300 GPD design flow
- 3) No Garbage disposal or pumped to septic
- 4) 1000 Gal Septic tank (code minimum)    1140 Gal Septic tank (design size / LUG req'd)  
Tank options: Effluent filter & alarm req'd
- 5) 1.2 GPD/ft<sup>2</sup> mound sand loading rate    contour loading rate of 12 req's a min    25 ft. long rockbed
- 6) 10.0 ft rockbed width    25.0 ft rockbed length
- 7) 3.0 ft lateral spacing    3.0 ft perforation spacing    (maximum of 3 for both)  
end feed manifold connection
- 8) 3 laterals    23.0 feet long    8.0 perfs / lateral    24 perfs total  
(1/2 a perf means the first perf starts at the middle feed manifold)
- 9) 1/4" inch perfs at 1 feet residual head    gives 0.74 gpm flow rate per perforation  
for this perf size & spacing, & pipe size on line 12, max perfs/lateral = 16, line #8 must be less --> OK
- 10) 4.0 doses per day    (4 minimum)
- 11) 75 gallons per dose    (treatment volume)    2.00 5x
- 12) 1.50 inch diameter laterals must be used to meet "4x pipe volume" requirement    2.00 3x
- 13) 100 feet of 2.0 inch supply line    leads to 17 gallons of drainback volume  
(Tip: "top feed" manifold to control the drainback)
- 14) 92 gallons TOTAL pump out volume (treatment + drainback)
- 15) 10 feet vertical lift from pump to mound laterals, leads to a:
- 16) 18 GPM @ 17 feet of head, Pump requirement    (note: >50gpm may require an extra 3-6' of head)
- 17) 500 gal Dose tank (code minimum)    510 gal Dose tank (design size / LUG req'd)    at 11.20 gpi  
leads to a
- 18) 8.2 inch swing on Demand float,    or timed dosing of 5.1 min ON    (confirm pump rate with drawdown  
(this delivers Average flow, =70% of Peak design flow) 9 hrs OFF    test and adjust as necessary)
- 19) 12 inches from bottom of tank to "Pump OFF" float
- 20) 20 inches from bottom of tank to "Pump ON" float, or 12 inches to "Timer ON" float if time dosed
- 21) 23 inches from bottom of tank to "Hi Level" float, or 33 inches to "Hi Level" float if time dosed
- 22) 252 gallons reserve capacity    (after High Level Alarm is activated)

23) 0.45 gpd/ft<sup>2</sup> Absorption area Soil Loading Rate, which gives a mound ratio of 2.7 (minimum)  
(this must match the soil boring log) desired mound ratio 2.7

24) 1 percent site slope (0-20% range) 1 (% downslope site slope, if different than upslope)

25) 6 inches, or 0.5 ft. to Redox or other limiting condition (need at least 12" to be a Type I)  
Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:

26) 30 inch, or 2.5 ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**

27) 27.0 ft. base absorption width (with sand beyond rockbed as follows):  
38.5 greater of: absorption width OR sand slope

28) 8.5 ft. upslope and sideslope sand upslope 13.5  
8.5 ft. Downslope sand down slope 15.0

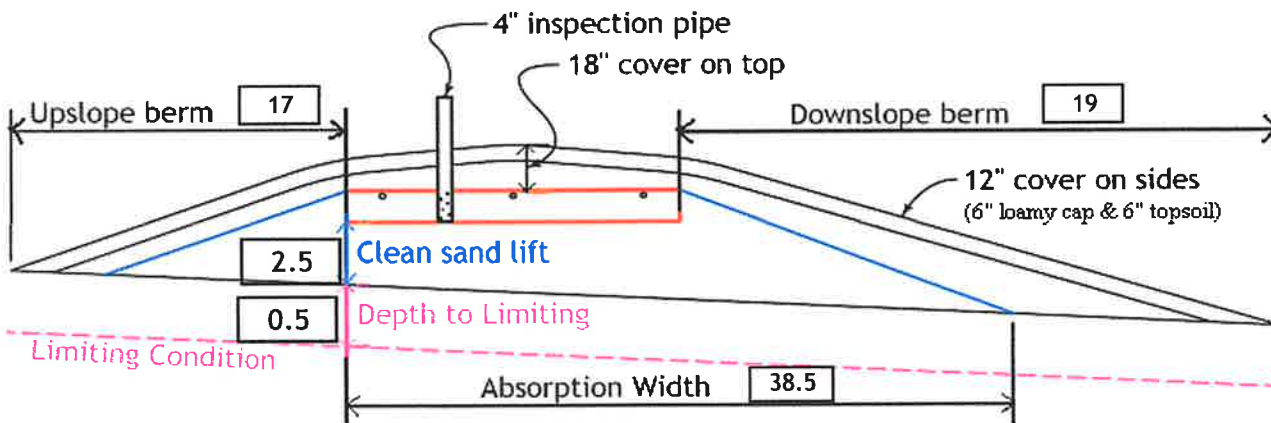
Individual slope ratios give BERM widths (topsoil beyond rockbed) of:

29) 4:1 upslope ratio 17 ft. upslope berm

30) 4:1 sideslope 18 ft. sideslope berms

31) 4:1 downslope 19 ft. downslope berm

32) Overall Dimensions: 10.0 ft. wide by 25.0 ft. long Rock bed  
46 ft. wide by 61 ft. long Mound footprint



**Note:**

For 0 to 1% slopes, *Absorption Width* is measured from the *Bed* equally in both directions.  
For slopes >1%, *Absorption Width* is measured downhill from the upslope edge of the *Bed*.

33) Rock Bed: 10.0 ft. by 25.0 ft. by 6 inches under pipe, plus 20% gives 9 yd<sup>3</sup> or \*1.4= 13 ton

34) Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)  
46.3 up + 53.0 downslope + 19.2 ends + 23.6 under rock = 171 yd<sup>3</sup> or \*1.4= 239 ton  
plus 20%

35) Loamy Cap: 42 ft. by 57 ft. 6" deep, plus 20% gives 54 yd<sup>3</sup> or \*1.4= 76 ton

36) Topsoil: 46 ft. by 61 ft. 6" deep, plus 20% gives 63 yd<sup>3</sup> or \*1.4= 88 ton

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

*Roger Allen*  
Designer Signature

R.H. Inspection & Design  
Company

3847  
License#

9/22/2022  
Date

# Installer Summary

1140 gallon Septic tank (minimum)

Tank options: Effluent filter & alarm req'd

510 gallon Dose tank (minimum)

at 11.20 gpi

18 GPM @ 17 ft. of head, Pump required

8.2 inch swing on Demand float which translates to roughly 5.1 inches of float tether length  
if time dosing is required --> 5.1 minutes ON time & 9 hours OFF time

20 inches from bottom of tank to "pump ON" float, or 12 inches to "timer ON" float

23 inches from bottom of tank to "Hi Level Alarm" or 33 inches to "Hi level alarm" if time dosed

100 ft. of 2.0 inch supply line with end feed manifold connection

(Tip: "top feed" manifold to control drainback)

30 inch, or 2.5 ft. Sand Lift Mound

10.0 ft. wide by 25.0 ft. long Rock bed

3 laterals 1.50 inch diameter 23.0 ft. long 3.0 ft. lateral spacing

1/4" inch perfs 3.0 ft. perforation spacing

No Effluent filter & alarm

3 clean out & valve box assemblies

38.5 ft. Total sand ABSORPTION width (minimum)

13.5 ft. upslope and sideslope (sand beyond rockbed, minimum)

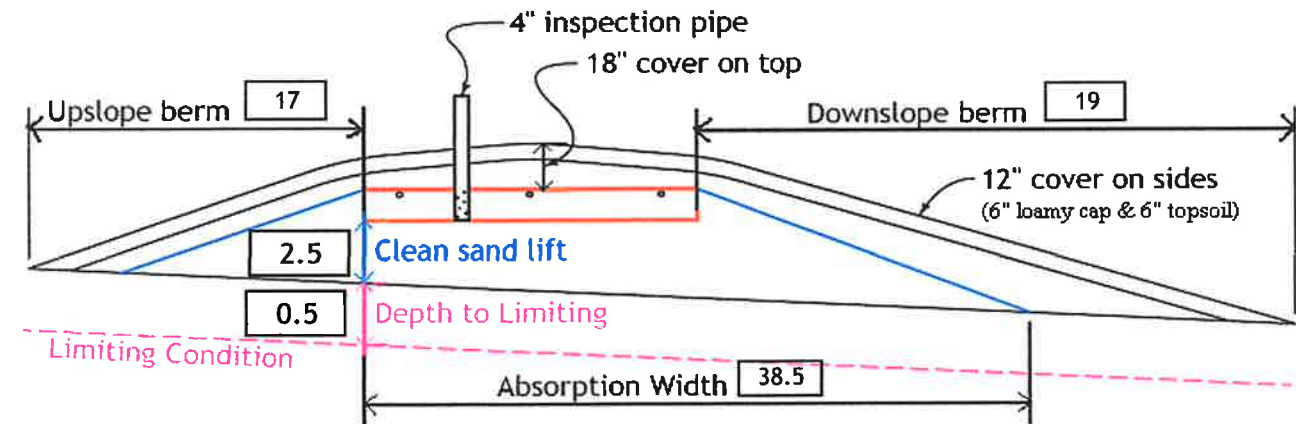
15.0 ft. Downslope (sand beyond rockbed, minimum)

Specific slope ratios give BERM widths (topsoil beyond rockbed) of:

4:1 upslope ratio 17 ft. upslope berm

4:1 sideslope 18 ft. sideslope berms

4:1 downslope 19 ft. downslope berm



## Note:

For 0 to 1% slopes, *Absorption Width* is measured from the *Bed* equally in both directions.

For slopes >1%, *Absorption Width* is measured downhill from the upslope edge of the *Bed*.

Rock Bed:

9.0 yd<sup>3</sup> or \*1.4=

13 ton

6 inches under pipe

Mound Sand:

171 yd<sup>3</sup> or \*1.4=

239 ton

calculation based on 3:1/4:1 slope from top of rockbed

Loamy Cap:

54 yd<sup>3</sup> or \*1.4=

76 ton

6" deep

Topsoil:

63 yd<sup>3</sup> or \*1.4=

88 ton

6" deep

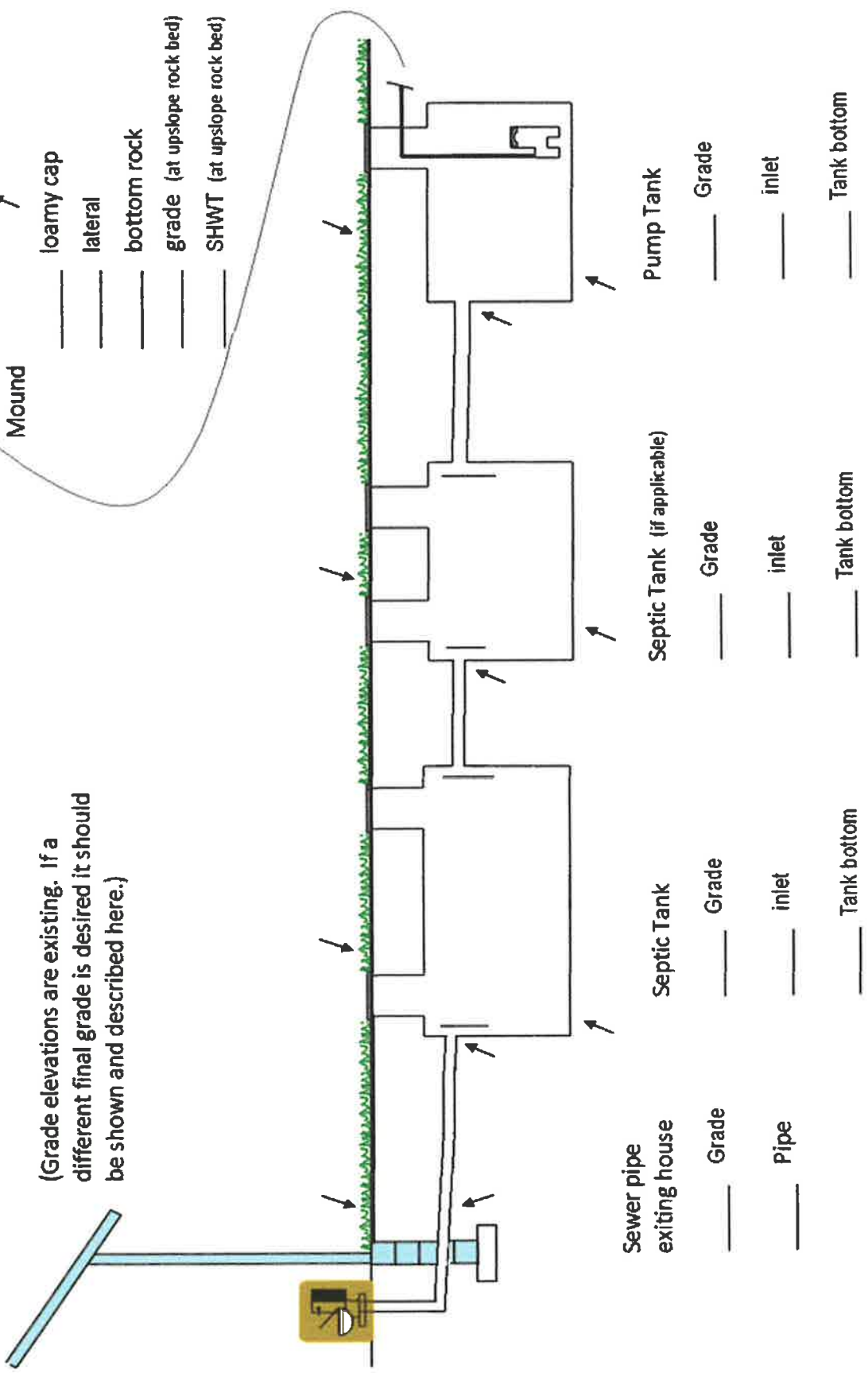
# INSPECTOR CHECKLIST - mound

- xxxxx Kestrel Ave.
- 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 set 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\_\_ Jacobson \_\_\_\_\_ 1140 gallons Effluent filter & alarm req'd \_\_\_\_\_
  
- 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\_\_ Jacobson \_\_\_\_\_ 510 gallons
  
- dose pump \_\_\_\_\_ 18 gpm 17 head VERIFY PUMP CURVE 5.1 min ON 9 hr OFF
  
- float setting drop 8.2 inches at 11.2 gpi "DESIGNED" 5.1 inches approx float tether length  
92.0 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 \_\_\_\_\_ 30 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)
  
- Absorption Sand beyond rock \_\_\_\_\_ 13.5 upslope \_\_\_\_\_ 15.0 downslope
  
- Bermed topsoil beyond rockbed \_\_\_\_\_ 17 upslope \_\_\_\_\_ 18 sideslope \_\_\_\_\_ 19 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.)



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

Mound

\_\_\_\_\_ loamy cap

\_\_\_\_\_ lateral

\_\_\_\_\_ bottom rock

\_\_\_\_\_ grade (at upslope rock bed)

\_\_\_\_\_ SHWT (at upslope rock bed)

# Soil Observation Log

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## Owner Information

Property Owner / project: Cole Gordon Date 9/22/2022

Property Address / PID: xxxxx Kestrel Ave.

## 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 1 %      direction- downhill

## Soil Log #1

<input type="checkbox"/> Boring <input checked="" type="checkbox"/> Pit      Elevation _____      Depth to SHWT <u>6"</u>							
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Granular
6+	Clay Loam	<35	10YR5/4	2.5YR4/4	Firm	Moderate	Blocky
		<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:



xxxxx Kestrel Ave. <b>Soil Log #2</b>							
		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation _____		Depth to SHWT <u>6"</u>	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Granular
6+	Clay Loam	<35	10YR5/4	2.5YR4/4	Firm	Moderate	Blocky
		<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

xxxxx Kestrel Ave. <b>Soil Log #3</b>							
		<input type="checkbox"/> Boring	<input checked="" type="checkbox"/> Pit	Elevation _____		Depth to SHWT <u>6"</u>	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0-6	Topsoil	<35	5YR3/3		Friable	Weak	Granular
6+	Clay Loam	<35	10YR5/4	2.5YR4/4	Firm	Moderate	Blocky
		<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

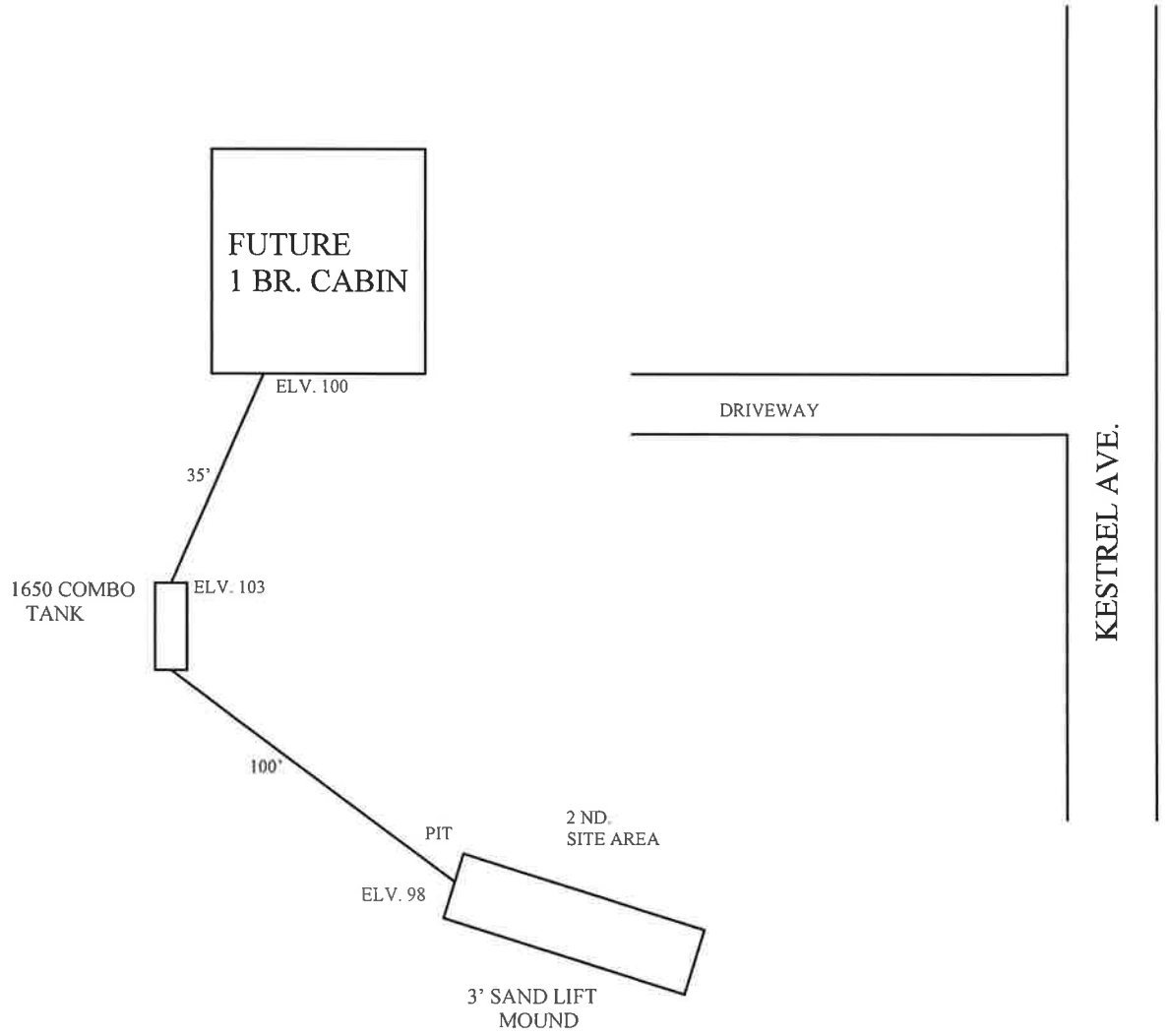
I hereby certify this work was completed in accordance with MN 7080 and any local req's.

Roan Hill  
Designer Signature

R.H. Inspection & Design  
Company

3847  
License #

XXXXX KESTREL AVE.  
TAMARACK, MN. 55757



# Subsurface Sewage Treatment System Management Plan

Property Owner: COLE GORDON Phone: 218-429-1818 Date: 22 SEP 22  
Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_  
Site Address: KESTREL AVE. City: TAMARACK Zip: 55757

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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: Rogun Huns Date: 24 SEP 22

**See Reverse Side for Management Log**

# AITKIN COUNTY ENVIRONMENTAL SERVICES

## APPLICATION for an OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

PERMITTEE COLE GORDON PARCEL NUMBER 10-0-013201  
 ADDRESS KESTREL AVE. TAMARACK  
 LEGAL DESCRIPTION T. 49 R. 22 S. 9  
 TELEPHONE # 218-429-1818 GIS LOCATION \_\_\_\_\_

**A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM:**  
 (Attach ISTS site evaluation and design; estimated cost of system construction, operation, monitoring, service, component replacement, and management; anticipated system life, hydraulic and organic loading rates)

MOTTLES IN SOIL 6-10 INCHES.  
TREATMENT WITH 3' SAND MOUND.

**B. MONITORING PLAN AND REPORTING FREQUENCY:**

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
FLOW	300 GPD	EVENT COUNTER	MONTHLY		1 YEAR TO COUNTY
5-DAY BOD					
TOTAL NITROGEN					
TOTAL PHOSPHORUS					
TSS					
FATS, OILS AND GREASE					
FECAL COLIFORM					
SEPARATION DISTANCE	3'	MOUND	YEARLY	PIT OR BORING	1 YEAR TO COUNTY

OWNER RECORDS MONTHLY AND REPORTS TO COUNTY

OWNER will perform the monitoring of this septic system.

**C. MAINTENANCE PLANS**

PARAMETER	LOCATION	FREQUENCY
300 GPD	E.C. AT TANK	MONTHLY

**D. MITIGATION PLAN:**

INSPECT SYSTEM 1 YEAR AFTER INSTALL

I hereby certify with my signature as the designer, that all data for the operating permit application is true and correct to the best of my knowledge. I agree to indemnify and hold Aitkin County harmless from loses, damages, costs and charges that may be incurred by the County because of the information submitted with this application.

Roger Hurd  
Signature

3847  
License Number

24 SEP 22  
Date

ROGER HURD  
Name (please print)

2169 SCHELINDER RD  
Address CARCON  
55718

218-391-0510  
Telephone #

## Maintenance Log

Activity	Date Accomplished										
<b><i>Check frequently:</i></b>											
Leaks: check for plumbing leaks											
Soil treatment area check for surfacing											
Lint filter: check, clean if needed											
Effluent screen: if owner-maintained											
Water usage rate (monitor frequency _____)											
<b><i>Check annually:</i></b>											
Caps: inspect, replace if needed											
Sludge & Scum/Pump											
Inlet & Outlet baffles											
Drainfield effluent leaks											
Pump, alarm, wiring											
Flush & clean laterals if cleanouts exists											
Other: _____											
Other: _____											

Notes: \_\_\_\_\_

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**ROGER HURD INSPECTION & DESIGN**

**2169 Schelinder Road, Carlton, MN. 55718**

**LICENSE #3847 – CERT. #9573**

**Phone: 218-391-0510 - e-mail: [rlhurd1960@hotmail.com](mailto: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.

**ROGER HURD**

*INSPECTION & DESIGN / GENERAL CONTRACTOR*

**INVOICE**

2169 Schelinder Rd  
Carlton, MN 55718  
Phone: (218) 391-0510

DATE: SEPTEMBER 24, 2022

**TO: COLE GORDON**

**FOR: P.I.D. 10-0-013201**

DESCRIPTION	HOURS	RATE	AMOUNT
Septic system design.			\$700.00
		TOTAL	\$700.00

Make all checks payable to **ROGER HURD**

Total due upon receipt. Overdue accounts subject to a service charge of 10% per month.

**Thank you for your business!**