

RAVALLI COUNTY ENVIRONMENTAL HEALTH
MULTI-PURPOSE FORM: Site Evaluation/Septic Permit/Well Permit

10.47 acres

Name: Marty Krueger Phone: 369-1252
Address: Tammany Mail: P.O. Box 747 Hamilton
Tax ID # 744303 Geocode # 1468-29-1-01-15-0000
General Area: ON Tammany LN
Section 29 T 6 N/S R 20 W COSAP# 488828-F Parcel/Lot: E
Subdivision Name: NONE Index 25 File #: Index 25
SITE EVALUATION # 9377 Date: 9-23-03 Sanitarian: LS / Dan Hooten
Slope: 1-2% % Depth to Groundwater: 7100" Depth to Bedrock or Other Impermeables: _____
Perc. Test: Y N Replacement Y N Nitrates: 1.90 mg/L NSA: 2.43 mg/L PBT: 250 years
Soils Data: open Hay Field: NO EVIDENCE OF SHGW SOILS - 125' / BDRM 700' to surface H₂O

0-17" Sandy clay loam, brown color, medium root structure to 17", ~~topsoil~~ NO
noticeable gravels, medium, very fine subgranular structure. wavy transition.
18-40" - Sandy loam - sandy clay loam, tan color, NO noticeable gravels, slight massive structure
medium, very fine granular structure. Abrupt transition
41-63" - Loamy sand - Sand. coarse 0.5-1.0mm, strong coarse granular structure, gravels to 1-3" dia.
10-15%. Abrupt transition.
64-100" - Sandy clay loam. Md., very fine subgranular structure, NO gravels, brown color.

PERMIT(S)

If a new well and septic system will be utilized, both permits are required at time of application. The new well should be installed prior to the septic system receiving final inspection.

SEPTIC PERMIT # 12422
Permit issued by: Septic: Daniel A. Hooten R.S.
Date: OCT 15, 2003
Expires: OCT 15, 2004

WELL PERMIT # 3184
Well: Daniel A. Hooten R.S.
Date: 10/16/03
Expires: 10/16/04

Number and type of structure(s) served — Residential/Manufactured or Factory Built Home/Commercial

Type: SF
Number: 1
Number of Bedrooms: 4
Basement: Y N

1. a) State approved: Place well & septic system as shown on reverse.
- b) Locally approved: Place system over profile hole as shown on reverse.
2. Set aside the required septic replacement area.
3. Comply with all required setbacks.

of septic tanks: 1 Size of septic tanks: 1500 SINGLE COMPARTMENT gallons Total lineal feet: 500 (MUST PRESSURE DOSE)
System type (drainfield/bed/other) CONVENTIONAL 24" DEEP TRENCHES

25% REDUCTION ALLOWED FOR E.G. 16 INFILTRATOR CHAMBERS 500 X 0.75 = 375 - USE 415 SECTIONS
(IF INFILTRATOR CHAMBERS ARE USED, SYSTEM DOES NOT NEED TO BE PRESSURE-DOSED) (5) - 9 SECTION LINES

PLACE TANK WITHIN 50' OF STRUCTURE. IF BEDROCK, HIGH GROUNDWATER, INADEQUATE SETBACK FROM WELLS OR SURFACE WATER, OR OTHER PROBLEMS WITH REGULATION COMPLIANCE BECOME EVIDENT DURING INSTALLATION, STOP IMMEDIATELY AND CALL ENVIRONMENTAL HEALTH (375-6268).

- ☒ I will hire a Ravalli County certified septic system contractor to install the system. All pump-dosed systems must be installed by a Ravalli County certified septic system contractor.
- ☐ I have received the Regulations and Requirements for Onsite Wastewater Treatment Systems in Ravalli County and will install the system in compliance with the requirements therein.

RADON: Cancer-causing radon gas is found throughout Ravalli County. Over half of the tests in Ravalli County are elevated. Radon-resistant homes typically cost less to build than the cost of one new window. Radon Materials Received _____

APPLICANT'S WARRANTY: I will comply with the terms and conditions of this permit and certify that the use of this property for which this permit is issued does not violate any terms or conditions of any zoning, floodplain or restrictive covenant. I further understand that an effluent filter will be installed for which regular maintenance is required.

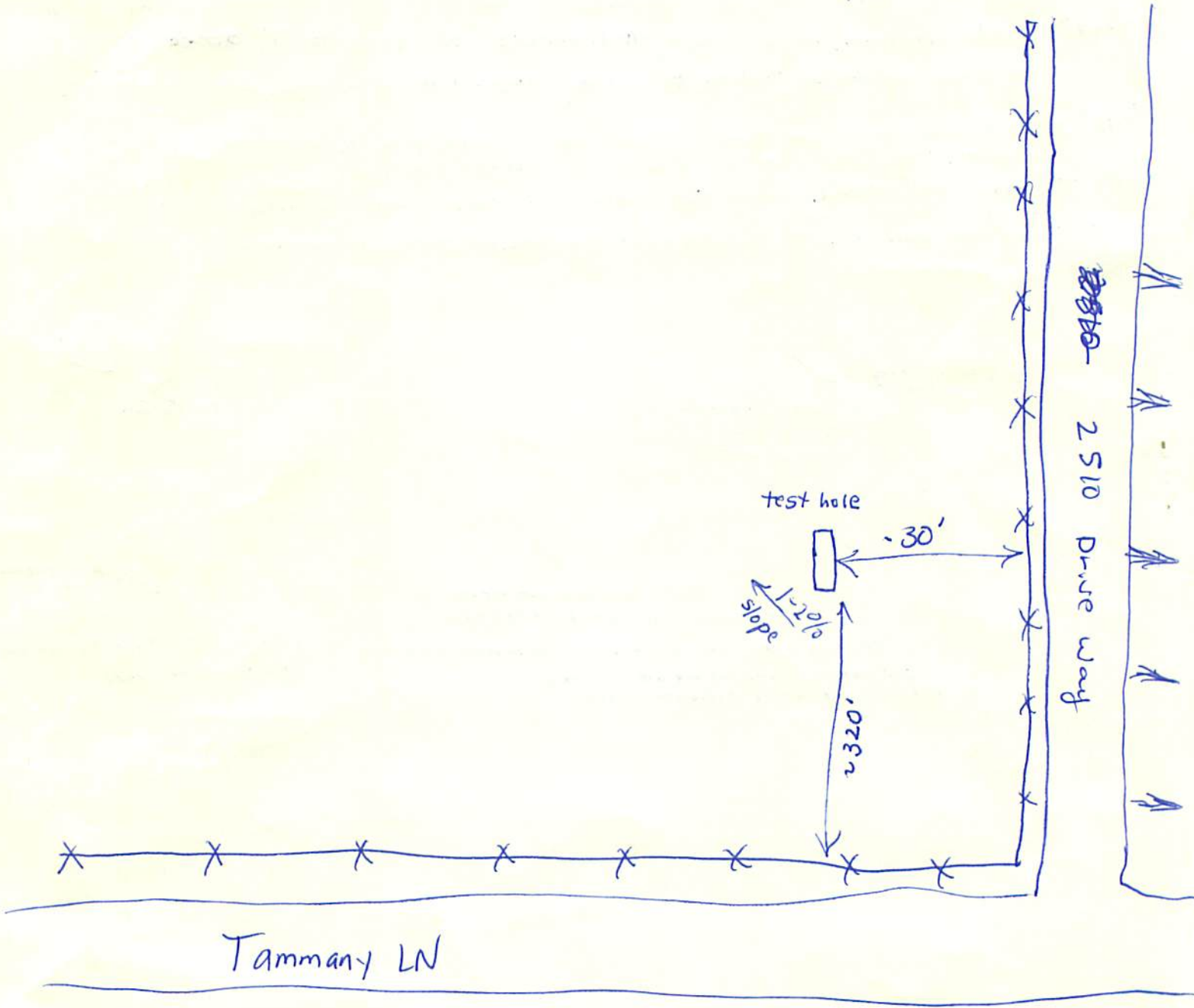
Applicant's signature: [Signature] DATE: 10/16/03

FINAL INSPECTION: [Signature] DATE: 8-2-04

Not to Scale

N
↑

house



INSPECTION CHECKLIST FOR RAVALLI COUNTY SEPTIC SYSTEMS

Read your permit thoroughly. Make sure the system is in the correct location as shown on the back of the permit. Place system exactly as shown. A 100% replacement area must exist. If a slope problem or other obstacle causes you not to be able to comply with the approved site plan, you must call the Sanitarian prior to system construction. If any problems arise during construction including high groundwater, bedrock, or inadequate separation from required setbacks, stop construction immediately and phone the Sanitarian's Office. **THE SANITARIAN'S OFFICE DOES NOT WARRANTY ANY GRADE OR SLOPE MEASUREMENTS.**

WHEN CALLING FOR A FINAL INSPECTION:

1. Concrete septic tank and distribution box must be uncovered.
2. The following pipes must be uncovered: tank to foundation, tank to distribution box (or header), distribution box outlet lines and at least one absorption trench (or all header lines).
3. The ends of each absorption trench must be uncovered to check for caps. - INFILTRATORS
4. Distribution box outlet lines must be solid for at least 5' to avoid seepage around the distribution box.
5. Sanitary tee's (inlet side 12", outlet is prefabricated with the effluent filter or 18" on replacement systems) must be installed in septic tanks.
6. Standard trench depth is 24" to the trench bottom. Maximum depth is 36". Check your permit.
7. If used, an equal number of absorption lines are required on each side of the inlet tee on a header line. You must prove that your header line is level. Absorption lines must be "looped" (connected to each other) at the far ends of drainfields utilizing header lines.
8. All lines must be 4-inch pipe and the correct ASTM. Schedule 40 is required from the house to the tank. ASTM 3034 (SDR 35) pipes or heavier class must be used throughout the rest of the septic system.
9. Trenches must be separated by 5' undisturbed earth: 2' trench ~ 7' on centers, 3' trench ~ 8' on centers.
10. Absorption trenches should be level. Maximum slope is 4" per 100'.
11. All joints in sold lines must be glued.
12. No absorption line may exceed 100 feet in length.
13. Absorption lines must be of equal length. (A 10-foot total variance is allowed in difficult situations.)
14. Distribution boxes have an inlet that is higher than the outlets; install correctly. Distribution boxes must be bedded. Water poured into the distribution box must flow equally down each pipe exiting the distribution box and not back flush into the distribution box.
15. At least two absorption lines are required in all installations.
16. Sealed entry and exit pipes from tank and distribution box are required.
17. A minimum of 6" of washed rock beneath and 2" of rock over absorption lines is required. Your permit may require additional rock.
18. Filter fabric, 2 layers (minimum) of untreated building paper or 5" straw covering the width of the trench must be placed over rock on top of pipes. (Paper must not tear when walked on.)
19. Holes in absorption lines must be aligned at the 5 and 7 o'clock position on a clock face.
20. Approved effluent filters with a handle extending to 8" of the surface are required on all systems. Filter type: Poly LOCK. Alarms are required on pump systems.
21. All septic tanks must have a cylindrical, concrete riser at least 2' in diameter extending to the finished grade of the site with a tight fitting concrete lid. **LEAVE LIDS OFF TANK FOR INSPECTION OF SANITARY TEE'S AND EFFLUENT FILTER.**

Permit #: 12492

Owner: MARTY KRUEER

Contractor/Installer: Mauie Excavating

I have inspected this system and found it compliant with Ravalli Co. Sewage Disposal Regulations.

Signature: Mauie Sperry

Date Inspected: 8/2/04

NOTE: Not to scale.

