



Linda S. Vail, MPA, Health Officer

October 6, 2015

Ms. Maggie Brown
5919 S. Clinton Trail
Eaton Rapids, MI 48827

**RE: Soil Evaluation in Aurelius Township, Section 30, 1844 S. Gale Road,
Parcel # 33-09-09-30-400-010. Application #9-16-15-199.**

Dear Ms. Brown:

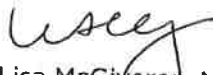
On September 29, 2015, a soil evaluation was conducted to determine the soil conditions for the above referenced property for an on-site sewage treatment system. This parcel was evaluated in anticipation of the construction of a single family dwelling. The results of the evaluation are enclosed in this letter and on the attached Soil Evaluation Data Sheet.

Four backhoe cuts were made on the lot to find a suitable area for wastewater treatment. Backhoe cut #4 did meet the minimum Ingham County requirements for a deep-cut conventional wastewater treatment system. Soils at this site include loamy sand to sand soil at 6-8 feet below grade with evidence of a seasonal high water level at greater than 8 feet below grade. A system installed in this area would be installed as shallow as possible with the top of stone at grade and the trench backfilled to 6 feet with 2ns sand. Plumbing in the home must be set to achieve these conditions. Your site is also approved for a potable water well. The well must be drilled according to Part 127 Michigan Water Well Construction and must be drilled by a licensed well driller. A well log must be submitted to this office.

You must get approval prior to issuing any permit, from the Ingham County Drain Commission to cross the drain on your site with a gravity sewer line. If you cannot get this approval, Backhoe cuts #1, 2, and 3 are approved for an engineered system. A company from the county's approved Alternative Wastewater Design consultant list must prepare a plan for this type of system for review by this office and an engineered plan review fee must also be submitted with the plan.

In closing, you are reminded to keep equipment off the area that was determined to be suitable for a sewage treatment system. Protecting the natural condition of the soils is very important to the future operation of your system. If you have any questions or concerns, contact our office at (517)887-4312.

Sincerely,


Lisa McGivern, M.S., REHS
Environmental Health

LM:mw

Cc: Aurelius Township

Enclosure

Environmental Health
5303 South Cedar Street • Lansing • MI 48911
Phone: (517) 887-4312 • Fax: (517) 887-4560 • <http://hd.ingham.org/Home/EnvironmentalHealth.aspx>
Ingham County is an Equal Opportunity Employer

Road Location: 1844 S. GalleApplication # 9-16-15-199

Test #	1	2	3	4	
Type of Test	BH	BH	BH	BH	
Depth	72"	68"	50"	8'	
Each test hole located on Plot Plan by number	0-11" LTB 11-15" L Nmt 15" L 72" CL mt at 15"	0-4" LTB 4-12' L Nmt 12"-68' CL mt	0-10" LTB 10"-50' CL mt	0-10" LTB 10"-6' CL Nmt 6'-8' CL Nmt dry.	

SOIL TEXTURE KEY

S	Sand	SCL	Sandy Clay Loam	B	Hand Auger Boring
LS	Loamy Sand	SiCL	Silty Clay Loam	BH	Backhoe Cut
SL	Sandy Loam	CL	Clay Loam	TS	Top Soil
L	Loam	C	Clay	MT	Seasonal High Water (mottling)
Sil	Silty Loam	M	Muck	WL	Water Level Observed (saturation)
				NS	No Observed Seasonal High Water Level

Limitations of the site that affect use of on-site subsurface sewage disposal:

- ☒ 1) Severely restrictive soil features.
- ☒ 2) Impervious layer within 48" of ground surface.
- ☒ 3) High seasonal water level.
- ☐ 4) Wet depressions or poor surface drainage.
- ☐ 5) Slope limitations (exceeds %).
- ☐ 6) Overflow of run-off water from adjacent higher areas.
- ☐ 7) Insufficient space for replacement of drainfield.
- ☐ 8) Insufficient isolation distance from _____.

Comments: # 4 ok'd for deep wt system # 1,2,3
are approved for engineered system

Observer: _____

Sanitarian: useleyDate: 9-29-15

SOIL EVALUATION DATA SHEET

Ingham County Health Department
P.O. Box 30161 Lansing, MI 48909

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by: Maggie Brown
Address: 1844 S. Gale Rd
Eaton Rapids, MI
Phone # 517-214-5862 48827

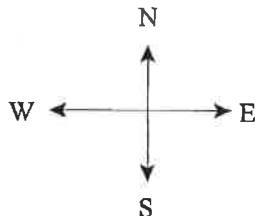
Application # 9-16-15-199
Township avon Section 30
Road Location: 1844 S. gale
Subdivision: _____

☒ Land Owner
☐ Prospective Buyer
☐ Installer

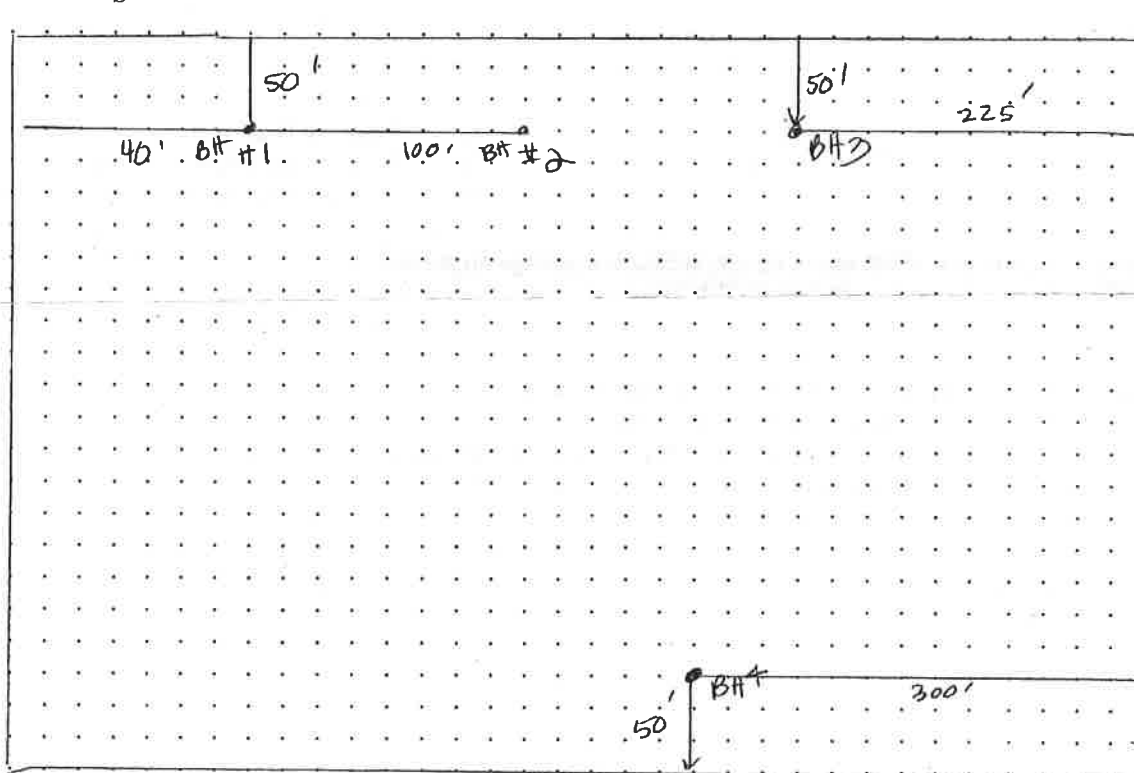
☐ Realtor
☐ Builder
☐ Other

Lot # L Side of Road West
File Search _____
Parcel No 33- 09-09-30-400-010
Soil Survey Sheet No. _____
Parcel Size 3.6 A Potential Splits 0

Home
5919 S Clinton
trail
Eaton, Rapids, MI
48827



PLOT PLAN



.Rev 5/06