



**Ingham County**  
**Health Department**

**Linda S. Vall, MPA, Health Officer**

December 14, 2016

Dunnings Investments, LLC  
Attn: Steven D. Dunnings  
530 South Pine St.  
Lansing, MI 48933

**RE: Vacant Land Evaluation in Aurelius Township, Section 25, South Edgar Road (S of 1915 South Edgar Road) Mason, MI 48854, Parcel 33-09-09-25-300-005**

Dear Mr. Dunnings:

On December 13, 2016, a site evaluation was conducted at the above mentioned parcel to determine the soils conditions for an on-site sewage treatment system. This parcel was evaluated in anticipation of the sale of the property. The results of the evaluation are enclosed in this letter.

An evaluation of the soil was done to determine what type of sewage treatment system would need to be installed. Three soil borings were made on the lot to determine if the area is suitable for a conventional onsite wastewater treatment system. All three soil borings did not pass the minimum requirements for a conventional on-site system. Soils in this area consisted of clay loam with a seasonal high water level at 30 inches below grade as indicated by soil mottling. Any wastewater treatment system on the above mentioned property would have to be engineered. 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. Before a permit can be issued for the wastewater system, the application for a septic permit, the submitted plan, with the application fee and plan review fee, must be approved by our office. 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.

In closing, you are reminded to keep equipment off the area that was determined to be suitable for sewage disposal 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,

Meredith Hipp  
Sanitarian  
Environmental Health

MH/jr  
Cc: Aurelius Township

Enclosure

**Environmental Health**

5303 S. Cedar Street • PO Box 30161 • Lansing, MI 48909-7661 • P: 517-887-4312 • F: 517-887-4560  
hd@ingham.org • Ingham County is an Equal Opportunity Employer

# SOIL EVALUATION DATA SHEET

Ingham County Health Department

5303 S. Cedar

P.O. Box 30161

Lansing, MI 48909

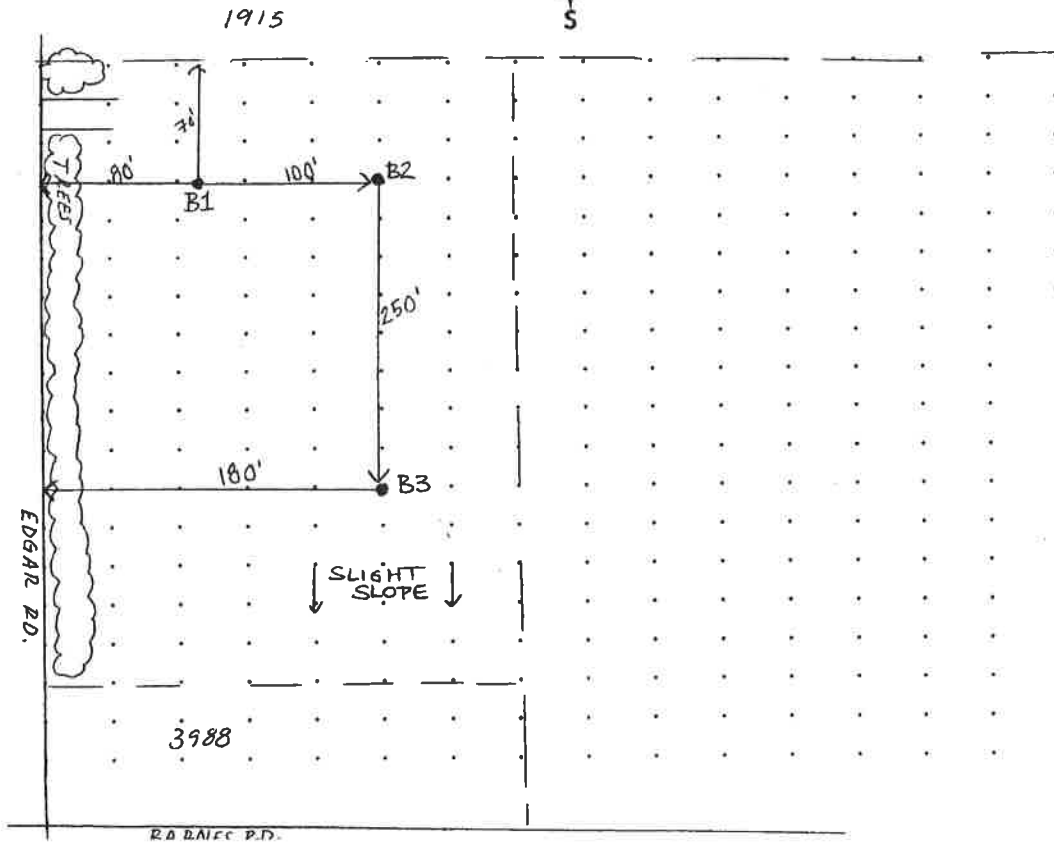
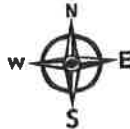
517-887-4312

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Application # 12-2-16-337 Township: Aurelius  
Section: 25 Road Location: N of 3988 Barnes Rd., S. of 1915 Edgar Rd.  
Subdivision: M4B. Lot # — Side of Road: E  
Parcel # 33- 09-09-25-300-005 Parcel Size: 3.3 Acres Potential Splits: Ø

\*VL Evaluation in order  
to sell.

Plot Plan



Test #	1	2	3
Type of Test	BH	BH	BH
Depth	72"	72"	60"
Top Soil Texture	0-6"-SCL TS	0-10"-SCL TS	0-10"-SCL TS
Layer 1	6-40"-CL (NMT)	10-30"-CL (NMT)	10-30"-CL (NMT)
Layer 2	40-72"-CL	30-40"-CL (slight MT)	30-40"-CL (slight MT)
Layer 3	Gray/heavy (MT)	40-72"-CL	40-60"-CL
Layer 4		Gray/heavy (MT)	Gray/heavy (MT)
Layer 5		Heavier than BH1.	
Water level			Water @ 60"
Test #			
Type of Test			
Depth			
Top Soil Texture			
Layer 1			
Layer 2			
Layer 3			
Layer 4			
Layer 5			
Water level			

#### 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	Mottling (Seasonal High Water)
SIL	Silty Loam	M	Muck	NMT	No Observed High Water Level
				WL	Water Level Observed

Conventional: \_\_\_\_\_ Engineered: ☒ Denied: \_\_\_\_\_

Comments: Engineered system is required. site is buildable.

Sanitarian: M. Medina Jr.

Date: 12/14/16