



April 23, 2018

Gilbert Barish
10739 Bond Road
DeWitt, MI 48820

RE: Vacant Land Evaluation in Aurelius Township, Section 21, South Onondaga Road, Eaton Rapids, MI 48827, Parcel 33-09-09-21-100-031, Application 2-1-18-021

Dear Mr. Barish:

On April 20, 2018, 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 construction of a single family home. 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. Five soil borings were made on the lot to determine if the area is suitable for a conventional onsite wastewater treatment system. All five soil borings did not pass the minimum requirements for a conventional on-site system. Soils in this area consisted of sandy clay loam to clay loam with a seasonal high water level at 8 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.

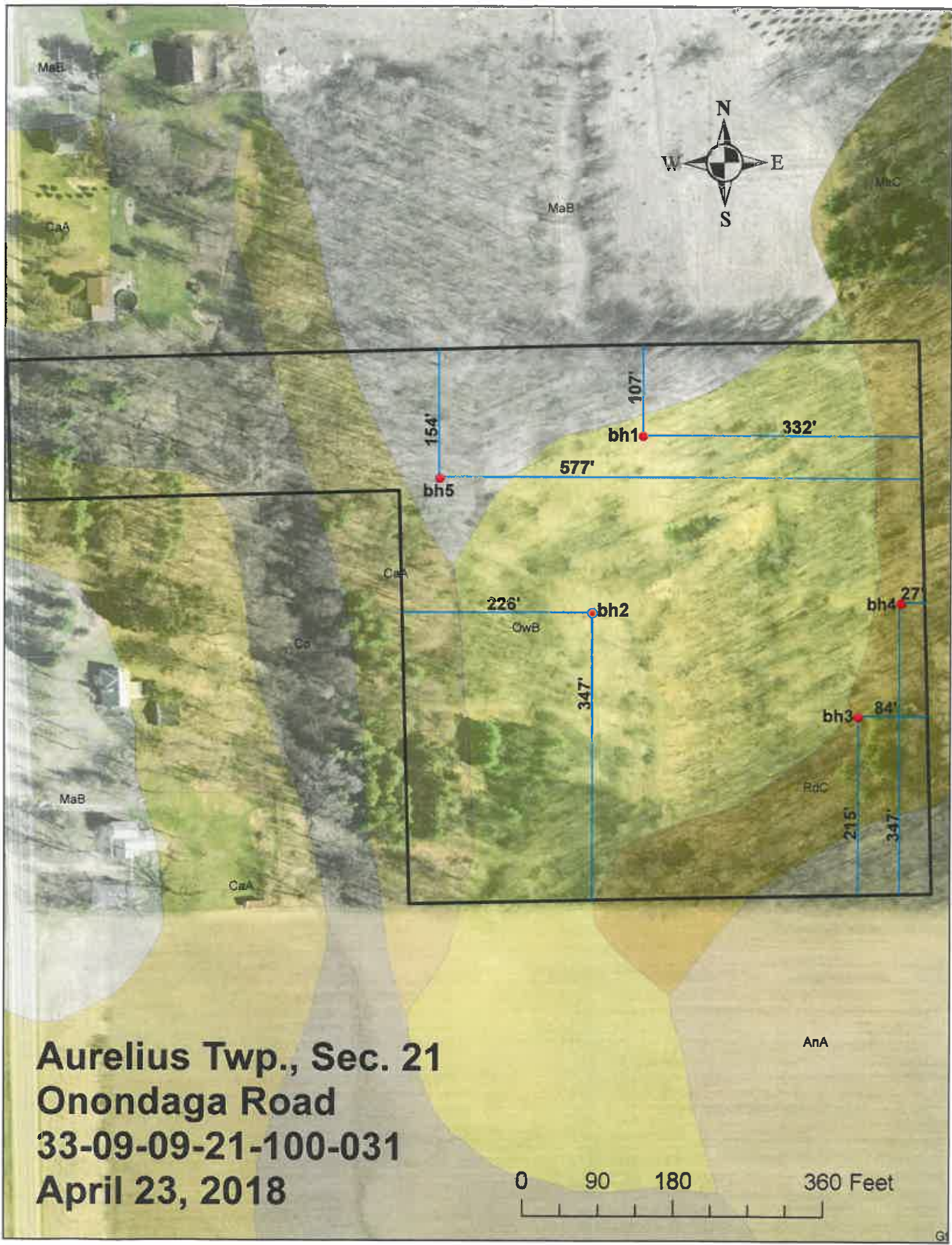
Sincerely,

Anne Mitchell
Sanitarian
Ingham County Environmental Health

AM/jr

Cc: Aurelius Township
Enclosure

Environmental Health



Aurelius Twp., Sec. 21
Onondaga Road
33-09-09-21-100-031
April 23, 2018

0 90 180 360 Feet

Ingham County Health Department

P.O. Box 30161

517-887-4312

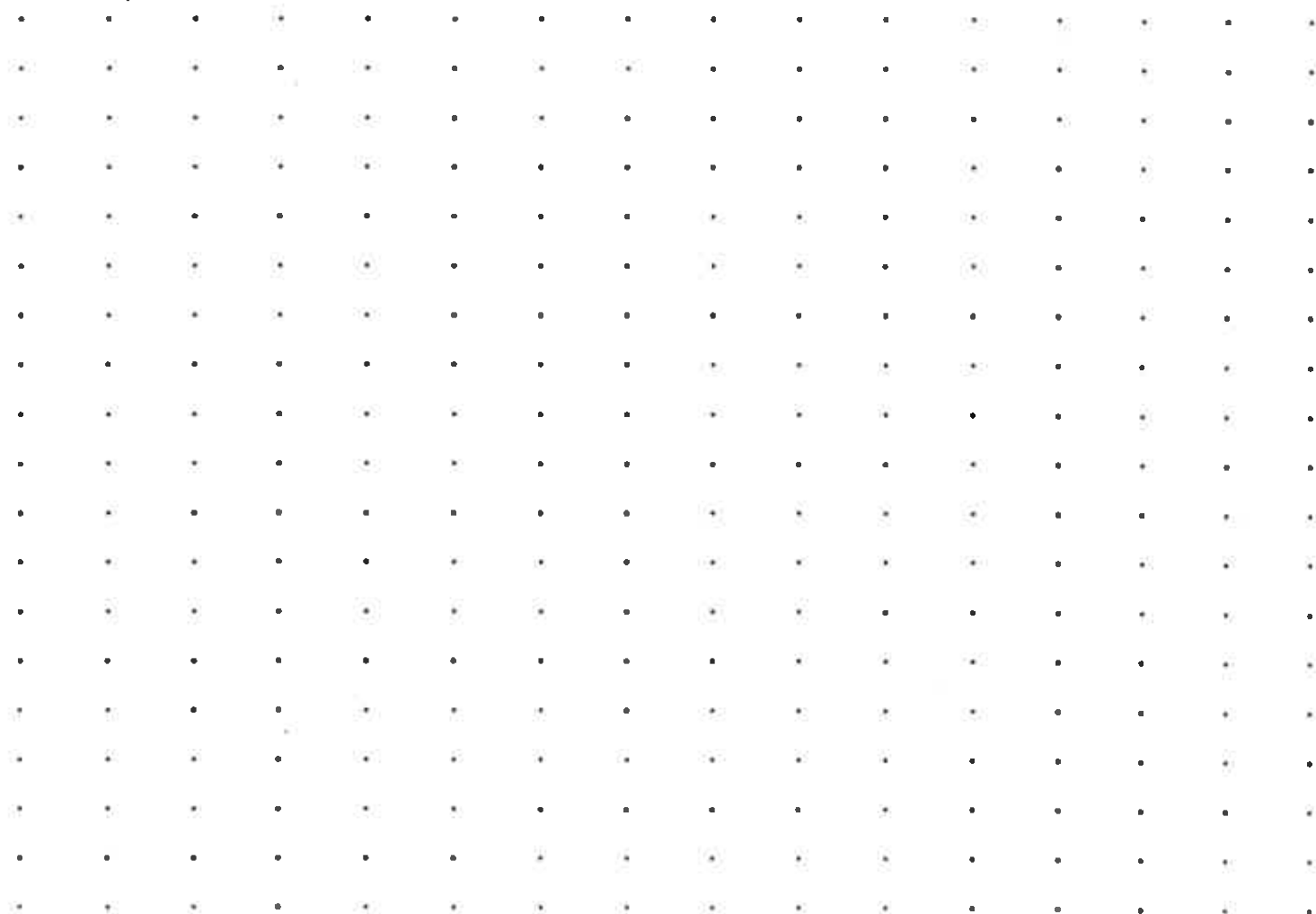
Application # 2-1-18-021 Township: Aurelius

Section: 21 Road Location: Onondaga Road

Subdivision: M & B Lot # Side of Road: E

Parcel # 33- 09-09-21-100-031 **Parcel Size:** 41.25 acres **Potential Splits:** N/A

(see attached map)



Test #	1	2	3
Type of Test	BH	BH	BH
Depth	35"	36"	29"
Top Soil Texture	0→16" SLTS 16"→13" SCL, NMT 13"→35" CL, HMT	0→8" SLTS 8"→36" CL, MT	0→8" SLTS 8"→29" CL, MT
Layer 1			
Layer 2			
Layer 3			
Layer 4			
Layer 5			
Water level			
Test #	4	5	
Type of Test	BH	BH	
Depth	53"	40"	
Top Soil Texture	0→8" SLTS 8"→26" SL, NMT 26"→53" SCL, MT	0→11" SLTS 11"→40" CL, HMT WT@16"	
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: X Denied: _____

Comments: All soils are suitable for an engineered system.

Sanitarian: [Signature]

Date: 4/23/18

**Ingham County Health Department
Alternative Wastewater Design Consultants**

Boss Engineering 3121 East Grand River Howell, MI 48843 Phone: 517-546-4836	Enger Surveying and Engineering P.O. Box 87, 805 N. Cedar Rd Mason, MI 48854 Phone: 517-676-6565 Fax: 517-676-6675
Foster Trenching Inc. 6440 Wells Road Ashley, MI 48806 Phone: 989-838-2554	KEBS, Inc. 2116 Haslett Road Haslett, MI 48840 Phone: 517-339-1014 Fax: 517-339-8047
Maynard Beery- Soil Scientist 849 N. Aurelius Road Mason, MI 48854 Phone: 517-676-4686 Fax: 517-676-4070	Stephens Consulting Services P.O. Box 708, 1549 Haslett Road Haslett, MI 48840 Phone: 517-339-8692 Fax: 517-339-6330
Wolverine Engineers & Surveyors 312 North Street Mason, MI 48854 Phone: 517-676-9200 Fax: 517-676-9396	

*Provision of this list does not constitute an endorsement of any Designer or Contractor by ICHD or guarantee approval of any design.

