



Livingston County Health Department

Environmental Health Division

2300 E. Grand River - Suite 200 - Howell, MI 48843

Fax (517) 546-9853 - Phone (517) 546-9858

www.lchd.org

Soils Evaluation For Sub-Surface Sewage Disposal System

PSEV2018-00272

Case No.

14-26-100-022

Current Desc. #

Putnam Township

Township

Location: 10364 DEXTER PINCKNEY Lot: Subdivision: Agerage: 2.2 Parcel: B

Applicant

JOHN ERICKSON
10889 DEXTER PINCKNEY
PINCKNEY MI 48116
(313) 218 7272

Owner

MCKOLAY, PAUL & LISA TRUST
378 FRUITDALE LANE
PINCKNEY MI 48169
(734) 474 3512

Soil Description

Date	Boring #	Soil Type	Soil Desc	Beg Depth	End Depth	SWT Depth	WT Depth
07/03/2018	01	Sandy Loam	Fill	0.00	1.00	None	None
07/03/2018	01	Sandy Loam	Topsoil	1.00	2.50	None	None
07/03/2018	01	Sandy Clay Loam	Light	2.50	4.00	None	None
07/03/2018	01	Sandy Loam	Dry	4.00	6.00	None	None
07/03/2018	01	Loamy Sand	Dry	6.00	7.00	None	None
07/03/2018	01	Coarse Sand	Gravelly	7.00	9.00	None	None
07/03/2018	02	Sandy Loam	Fill	0.00	1.00	None	None
07/03/2018	02	Sandy Loam	Topsoil	1.00	3.00	None	None
07/03/2018	02	Sandy Clay Loam	Light	3.00	5.50	None	None
07/03/2018	02	Coarse Sand	Gravelly	5.50	9.00	None	None

Suitable with Special Restrictions

Within 800 of a potential or known source of contamination: No

Alternative Review: No

Oversize: No

Conditions:

Locate the system in the exact area of the approved soil borings #1 & #2.

100% cutdown to sand at +/- 6 ft., then backfill with a clean sharp sand then lay stone and tile. Max. cover 24", Min. cover 12".

Install tank filter

Note: Maintain enough area for a future replacement septic area.

Tom Latchney

Environmental Health Representative

07/05/2018

Date

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Soils Evaluation based on criteria stated in Livingston County Sanitary Code, effective January 4th, 1993.

This is NOT a permit. A suitable soils rating is NOT a guarantee that a permit to construct an on-site subsurface sewage disposal system will be granted. Changing conditions that might result in a permit denial are explained in more detail on the reverse side.

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Dexter-Pinckney

Par B



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A soil evaluation is conducted by the Environmental Health Division of the Livingston County Health Department to determine the suitability of utilizing onsite subsurface sewage treatment for a particular parcel of property. Comments might be made regarding the utilization of an onsite water well supply based on historical information in the general area, but in no instance can the information on this evaluation be specific for any particular parcel. We advise any prospective buyer to contact a licensed well driller, familiar with the area, for more specific information on water quality, yield, depth of wells, etc. The following discussion describes those factors which are evaluated during a soil evaluation and their effect on the operation of subsurface sewage treatment systems.

1. Soil type and permeability is a quality of a soil that enables it to transmit water or air. Slow permeable soils, such as clays and silts, are not suitable for utilizing onsite subsurface sewage treatment. Wetland soils such as muck and marl are poorly drained and therefore unsuitable for subsurface sewage treatment.
2. Highest known groundwater evaluation is an important consideration in determining if a site is suitable for the utilization of subsurface sewage treatment. In addition to the problems associated with saturated conditions, bacteria and viruses can survive if allowed to move in a water medium. Groundwater is our drinking water and must be protected from contamination by maintaining adequate isolation distances. Where the highest zone of groundwater saturation is less than 24 inches below the original ground surface the site will be considered unsuitable.
3. Deep excavations or cut-down systems can only be accepted under the following conditions:
 - a. Adequate and suitable material is within 12 ft. of the original grade.
 - b. The soils encountered shall not be saturated.
 - c. The drinking water aquifer will not become contaminated as a result of the wastewater discharge.
4. Other considerations evaluated during a soils evaluation include but are not limited to:
 - a. Adequate suitable area for a replacement system.
 - b. Isolation distances to water well supplies, surface waters, severe slopes, and property lines.
 - c. If the site is subject to flooding.

This soil evaluation is valid for a specific building site. Any change in the legal description or a division of the original parcel into smaller parcels may void the original soils evaluation. A suitable soils evaluation does not necessarily mean that a permit to construct a subsurface sewage treatment system will automatically be issued. Some factors that might change the rating for permit approval include:

- a. Revisions to the current Sanitary Code Requirements for Permit Approval. This soils evaluation was conducted under the criteria for Permit Approval stated in the Livingston County Sanitary Code effective April 1, 2009.
- b. Grading, filling or excavation on the parcel.
- c. Construction on neighboring properties where location of water wells and/or sewage treatment systems encroach on required isolation distances.
- d. A soils evaluation for commercial property is only valid if specific wastewater flow is stated.

SWT - Seasonal Water Table

GW - Ground Water

WT - Water Table

LEGEND - Soil Description

MOT Mottled
GRE Grey
HEA Heavy
WET Wet
SAT Saturated
LIG Light
DRY Dry

Tom Latchney

Environmental Health Representative

07/05/2018

Date

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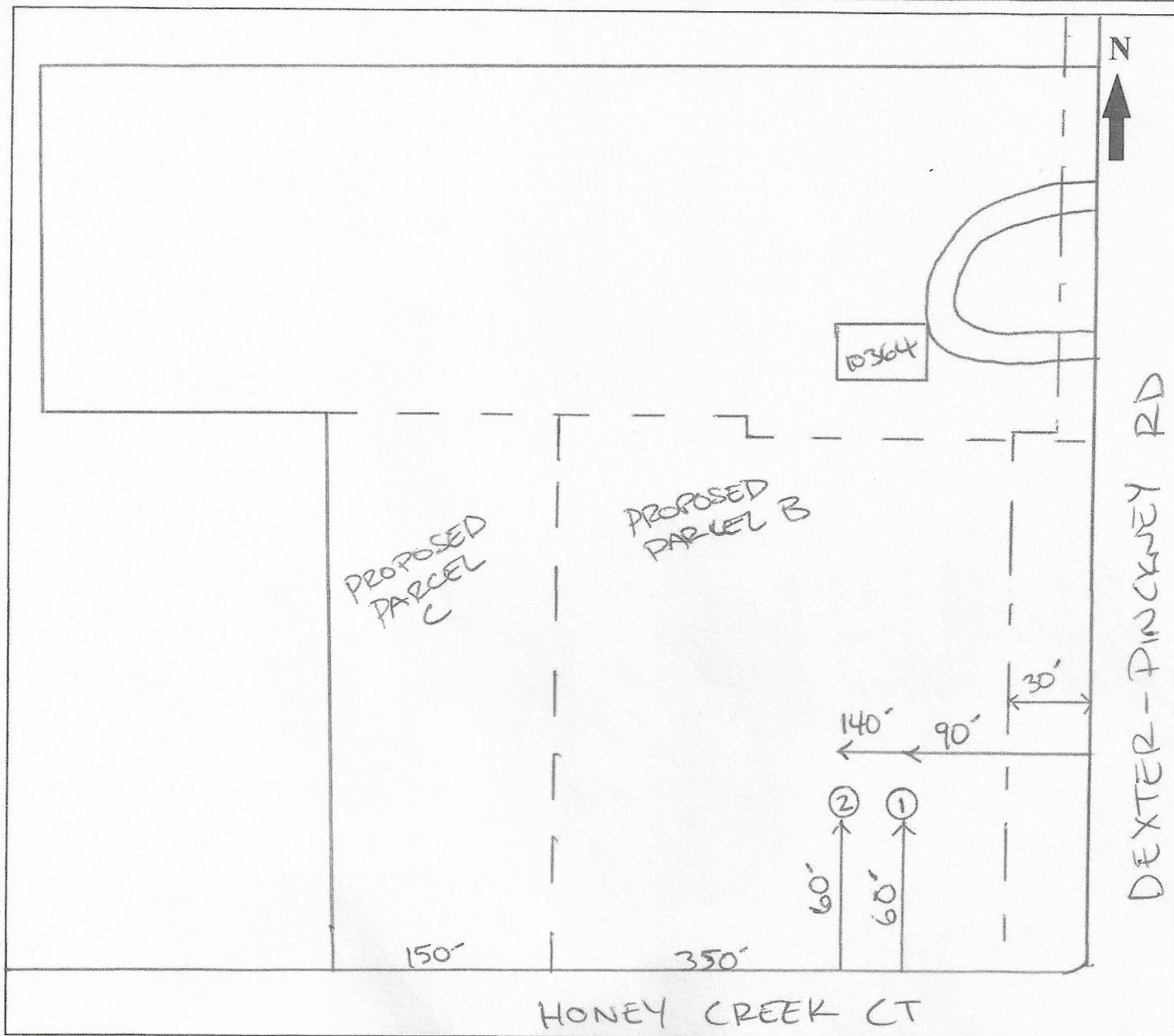
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