

# ENVIRONMENTAL SERVICES BUREAU

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ENVIRONMENTAL HEALTH DIVISION  
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BUILDING INSPECTION DIVISION  
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ENVIRONMENTAL HEALTH  
PUBLIC HEALTH ENGINEER  
Barry Johnson, P.E., M.S.  
(313) 994-2492

September 24, 1990

Mary P. Lahti  
P.O. Box 1192  
Howell, MI 48844

RE: Soil evaluation on  
property located at  
8595 W. Seven Mile Road,  
Parcel B, Section 3,  
Salem Township

Dear Mr. Lahti:

On September 14, 1990, a soil evaluation was made on the above property by this department in request for a health permit. As a result of this evaluation and cross checking of U.S. Soil Conservation Service soil maps, it was determined that the soils on the property are Miami loam. This type is described as having moderate limitations for on-site sewage disposal.

Present Washtenaw County requirements for on-site sewage disposal require that a minimum of a continuous 3 foot layer of permeable soil be present. At the time of our inspection, the indicated soil was found at a depth of 9 1/2 to 11 feet. In addition, the groundwater level, as indicated by mottling, must not be present in the top 12 inches of soil. During our inspection, we noted mottling was at a depth of 4 feet.

In light of the above information, the soils are approved for an on-site sewage system in the area bounded by the testholes referred to in this letter, but before a health permit can be issued, this office will need the following:

1. Five (5) copies of an accurate plot plan drawn to scale (not smaller than 1" = 40') showing the benchmark, the existing grade elevations, testholes, house, driveway, well, tile field, septic tank locations, and any wells or sewage disposal facilities within 150 feet of the proposed well or sewage system and any other physical features applicable to this parcel. This plan must be submitted and approved before setting the septic tanks or drilling the well.

2. A well permit is required. Permit application shall be made by the property owner or his/her authorized representative. The application for a well permit shall be accompanied by the appropriate service fee:
  - a. \$40.00 - New well for land which has not had a well previously residential.
3. The well must be drilled, inspected and approved, and a well record submitted to this office before we can issue a health permit. This is necessary to show that a safe and adequate supply of water can be obtained.
4. To ensure that your future home and drainfield are constructed at an elevation which will provide a properly functioning on-site sewage disposal system, and to avoid unnecessary cost to you, it will be necessary to install the septic tanks, before a health permit can be issued. To facilitate the septic tank first installation, it will be necessary to establish a permanent benchmark on the property and to establish the existing grade elevation of: each testhole, proposed septic tank location, and where the plumbing will exit the foundation wall.
5. The health permit must be signed by the person responsible for the installation of the tile field or the homeowner.
6. A \$100.00 permit fee must be paid before we can release the permit.
7. For easy identification in the future, permanently identify the approved testholes with metal stakes.
8. Due to marginal soils, the drainfield will be oversized or complete low-flow fixtures are required (showerheads with 2.2 gallons per minute or less, restrictors on all faucets, and toilets with 1.5 gallons or less per flush).

A health permit can be issued for a sewage system in the area investigated. Please be advised that any change in the location of the sewage system, major filling, eroding, excavating, paving, flooding of the investigated area, encroachment on any required isolation distances, or new information regarding the suitability of the site may necessitate further investigation or disapproval of the site.

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Backhoe excavations or deep pits are a safety hazard and should have already been filled in. Any holes not filled constitute a hazard and must be filled in immediately.

It is our understanding that a health permit is not desired at this time. Please contact this office when you desire to proceed.

If you have any questions, please feel free to contact this office.

Sincerely,



Margaret L. Krenselewski  
Sanitarian

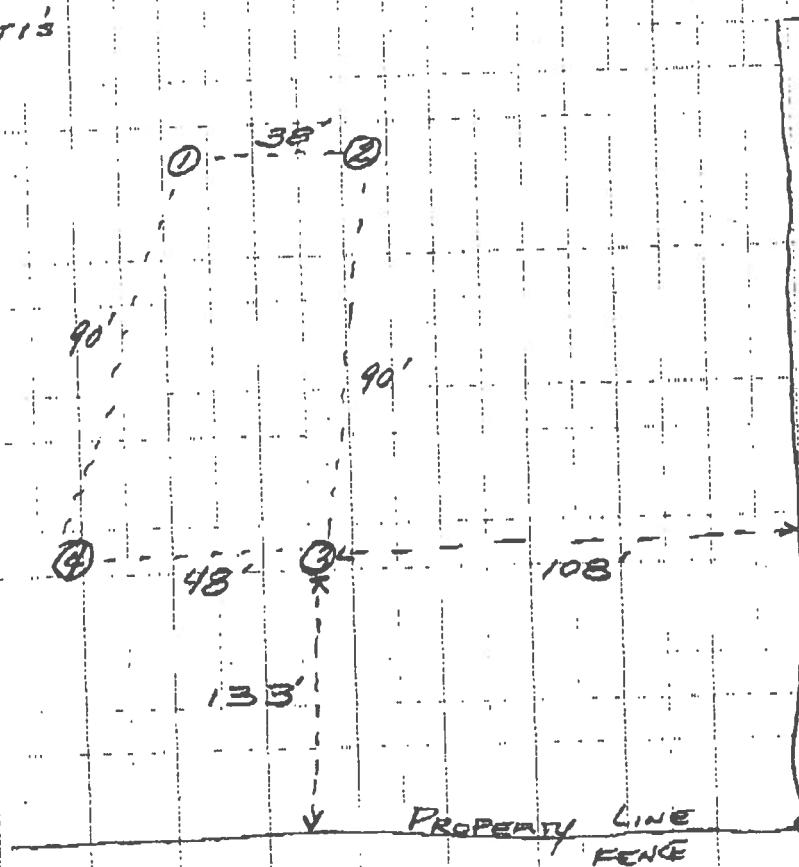
MLK:ld

North  
 scale: 1" = 40'  
 (1" square = 10')

Smokey  
 MLK  
 LAHTI'S

9-14-90

Parcel "B"



TOLD OWNER TO  
 STAKE  
 TESTHOLES

MARGINAL SOIL  
 - OVERSIZE FIELD  
 - LO-FLO FIXTURE:  
 REQ'D

KEEP AS HIGH AS  
 POSSIBLE TO  
 UTILIZE LOAMY SAND  
 ON TOP  
 PARCEL "A"  
 (2' BELOW GRADE  
 OR HIGHER)

1. 0-1' - T.S.  
 1'-11' - BR. CLAY  
 11'-16' - FN. DRY SAND (YELLOW)
2. 0-1' - T.S.  
 1'-4' - LOAM (SANDY)  
 4' - SOME MOTTLING \*  
 4'-11' - BR. CLAY  
 11'-14' - FINE DRY SAND (YELLOW)

3. 0-1' - T.S. (LOAMY SAND)  
 1'-3' - SANDY LOAM  
 3'-9.5' - BR. CLAY  
 9.5'-12' - REAL FINE  
 DRY SAND  
 12' - CLAY
4. 0-1' - T.S. (LOAMY SAND)  
 1'-3' - SANDY LOAM  
 3'-10' - BR. CLAY  
 10'-12.5' - REAL FINE  
 DRY SAND

\* HOLES WERE PRE-DUG  
 UPON ARRIVAL - COULD NOT DETECT  
 ANY MOTTLING FROM SIDE WALLS.  
 FN. SAND WAS GOOD YELLOW COLOR

