



Dean G. Sienko, M.D., M.S., Director

Environmental Health
Telephone: (517) 887-4312

March 13, 2007

Danny Dunn
3009 Victor Rd.
Lansing, MI 48911

RE: Soil evaluation in Delhi Township, Section 33, Onondaga Road, Parcel ID 33-25-05-33-100-021,
Application # 02-20-07-032.

Dear Mr. Dunn:

On March 6, 2007, a site evaluation was conducted to determine the soil conditions for the above referenced property for an on-site sewage treatment system. The results of the evaluations are enclosed in this letter.

Six backhoe cuts were made on the lot to find a suitable location for a sewage treatment system. Backhoe cuts 4 and 5 did not pass the minimum requirements for a conventional on-site wastewater treatment system. Soil conditions on these sites included a sandy loam to clay loam soil with evidence of a seasonal high water level at 18 inches below the ground surface as indicated by soil mottling. Conventional systems installed in such conditions may fail prematurely and pose serious health concerns. However, these backhoe cuts are suitable for the consideration of engineered wastewater treatment. 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 both the wastewater system and water supply well the submitted plan must be approved by our office.

Backhoe cuts 1, 2, 3, and 6 are not suitable for a conventional or engineered wastewater treatment system. Soil conditions at these sites indicated a sandy loam to clay loam soil with seasonal high water level directly below the top soil as indicated by mottling. Systems installed in these conditions would fail prematurely and pose serious health concerns.

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,

Randy Fedewa
Bureau of Environmental Health

RF/pm

CC: Delhi Township

Enclosure

Delhi Twp., Sec. 33
Onondaga Road
33-25-05-33-100-021



480 Feet

240

120

0

CaA

MaB



CaA

CaA

APPLICATION FOR SITE EVALUATION & PERMIT FOR SEWAGE TREATMENT SYSTEM AND/OR WELL

FOR RESIDENTIAL DWELLINGS

NOTICE TO APPLICANT FOR SITE EVALUATION & PERMIT

A permit must be obtained before any construction is started. A permit would become void if surface soil conditions are altered by scraping or filling. This application is by the Bureau of Environmental Health may be a Sanitary Code, I

OFFICE USE ONLY
Effective 10/1/06 - 9/30/07

App. # 02-20-07-032
Soil Map# _____
Amount Received: \$ 420.00 cm
Receipt # 90603 CK1765
W.A.G. Review Yes No
Zone _____

HECK APPROPRIATE AND SUBMIT CORRECT FEE

☒ Vacan \$420.00 Alternative System Plan Review \$319.00
☐ Septi \$436.00 Well Repair/Replace \$154.00
☐ Well Permi \$436.00 Septic Repair/Replace \$416.00
☐ Irrigation Permit N/C Point of Sale Generated

TOWNSHIP: Delhi SECTION: 33 PARCEL # 33 0101 30 401 341

SUBDIVISION: _____ LOT# 33250 533 1000 21

PARCEL SIZE: 5 X _____ # OF ACRES: 5

ROAD LOCATION/OR ADDRESS: Onondaga Rd Side of Road: N S E W (circle one)

PRESENT OWNER: Danny Collin Dunn

APPLICANT'S NAME: Sanny L Dunn PHONE: 8829826

3009 Victor (PLEASE PRINT) ALTERNATIVE PHONE: _____

Address City Zip

E-MAIL ADDRESS: _____

IF KNOWN, PLEASE PROVIDE: # of Bedrooms: _____ Has land been previously evaluated?: Yes ☐ No ☐

AUTHORIZATION:

I hereby grant and authorize representatives of the Ingham county Health Department and right of entry onto the property described above, and to hold them harmless against any and all claims of trespass. Their right of entry shall include the right to make borings or backhoe excavations for evaluating geological and soil conditions for an on-site sewage treatment system and/or well. The buyer or owner may have to provide a backhoe for soils evaluation.

SIGNED: Sanny L Dunn DATE: 2-20-07

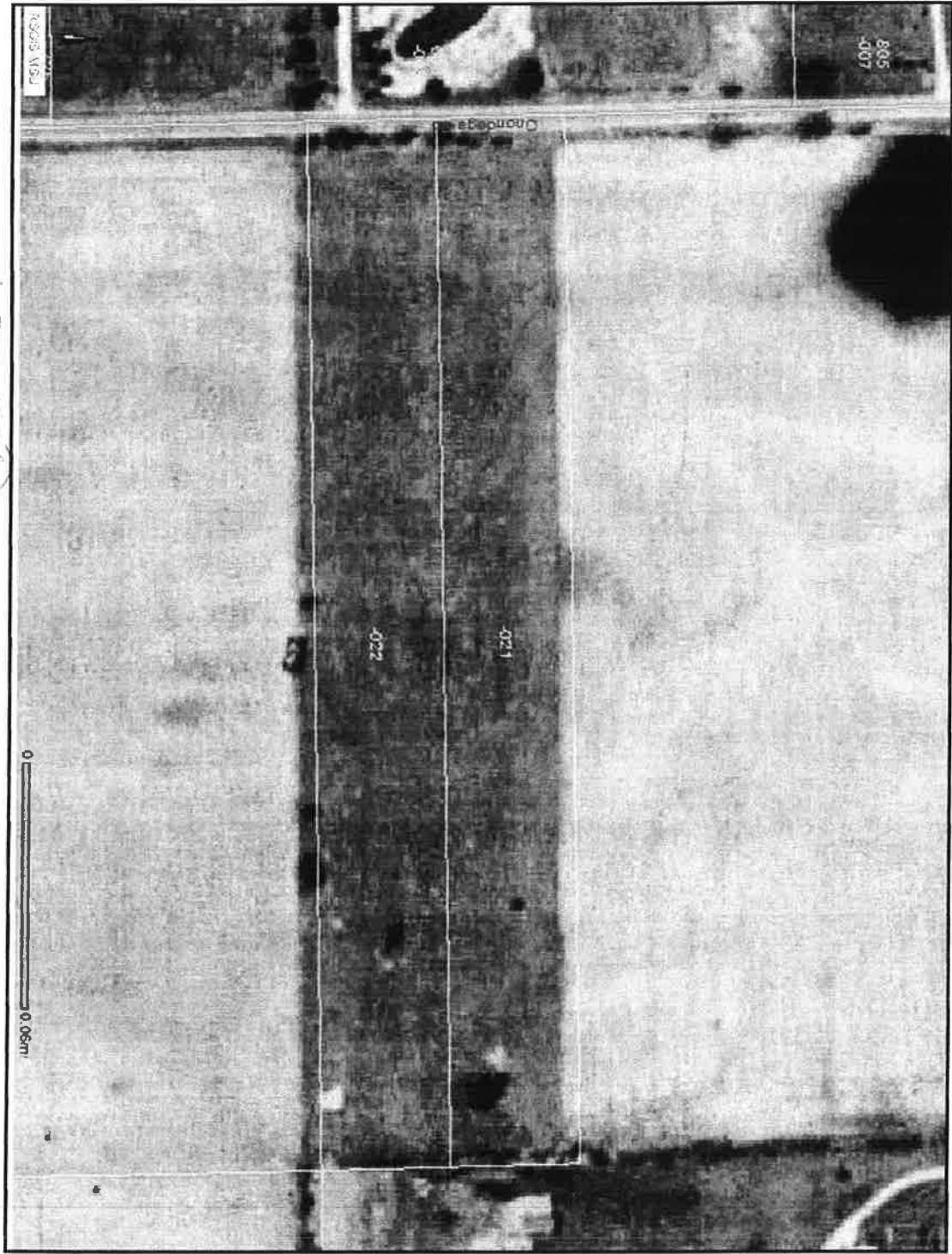
SUBMIT TO:

Ingham County Health Department
Bureau of Environmental Health
5303 S. Cedar, P.O. Box 30161
Lansing, MI 48909

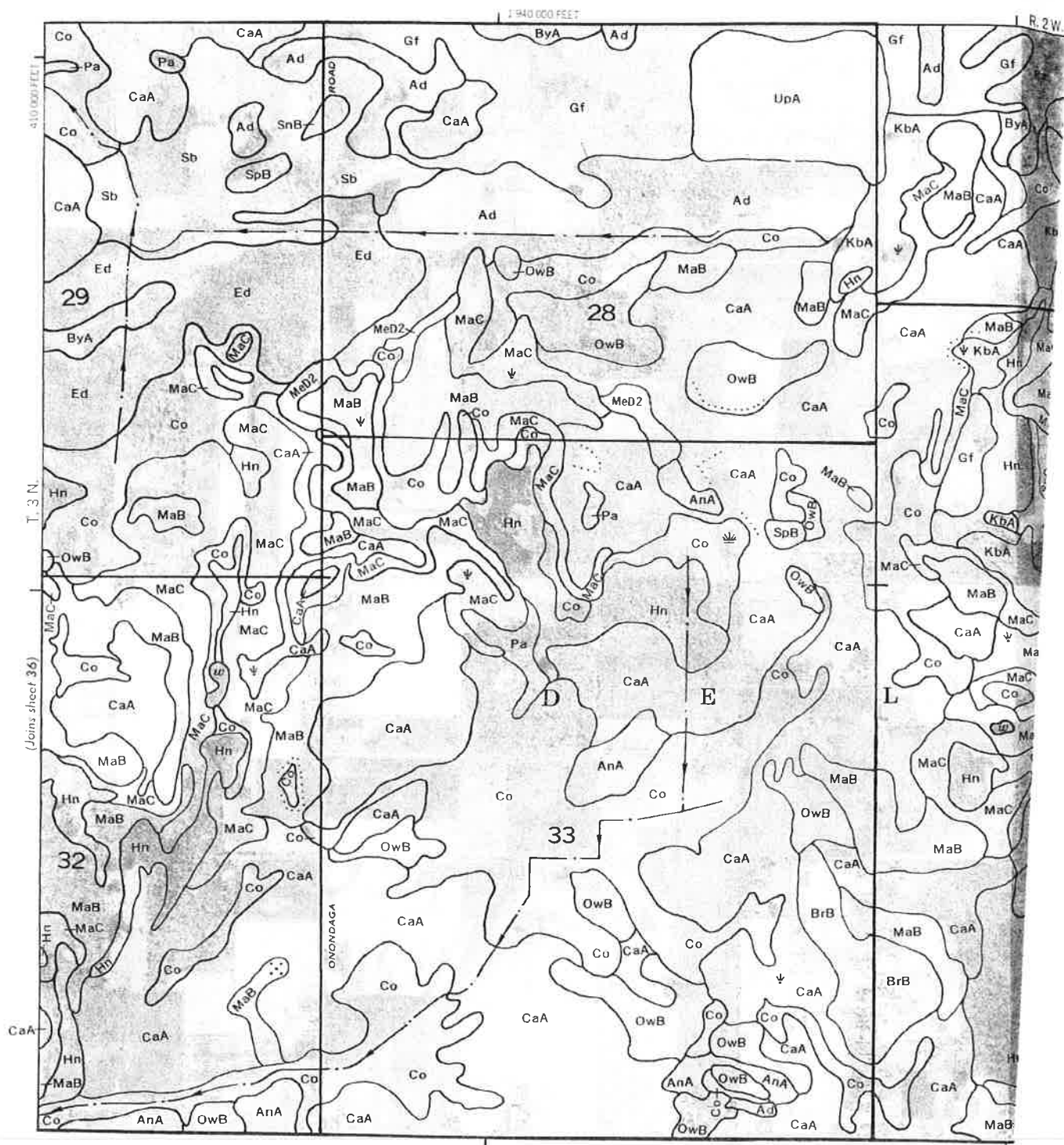
MAKE CHECKS PAYABLE TO:
Ingham County Health Department

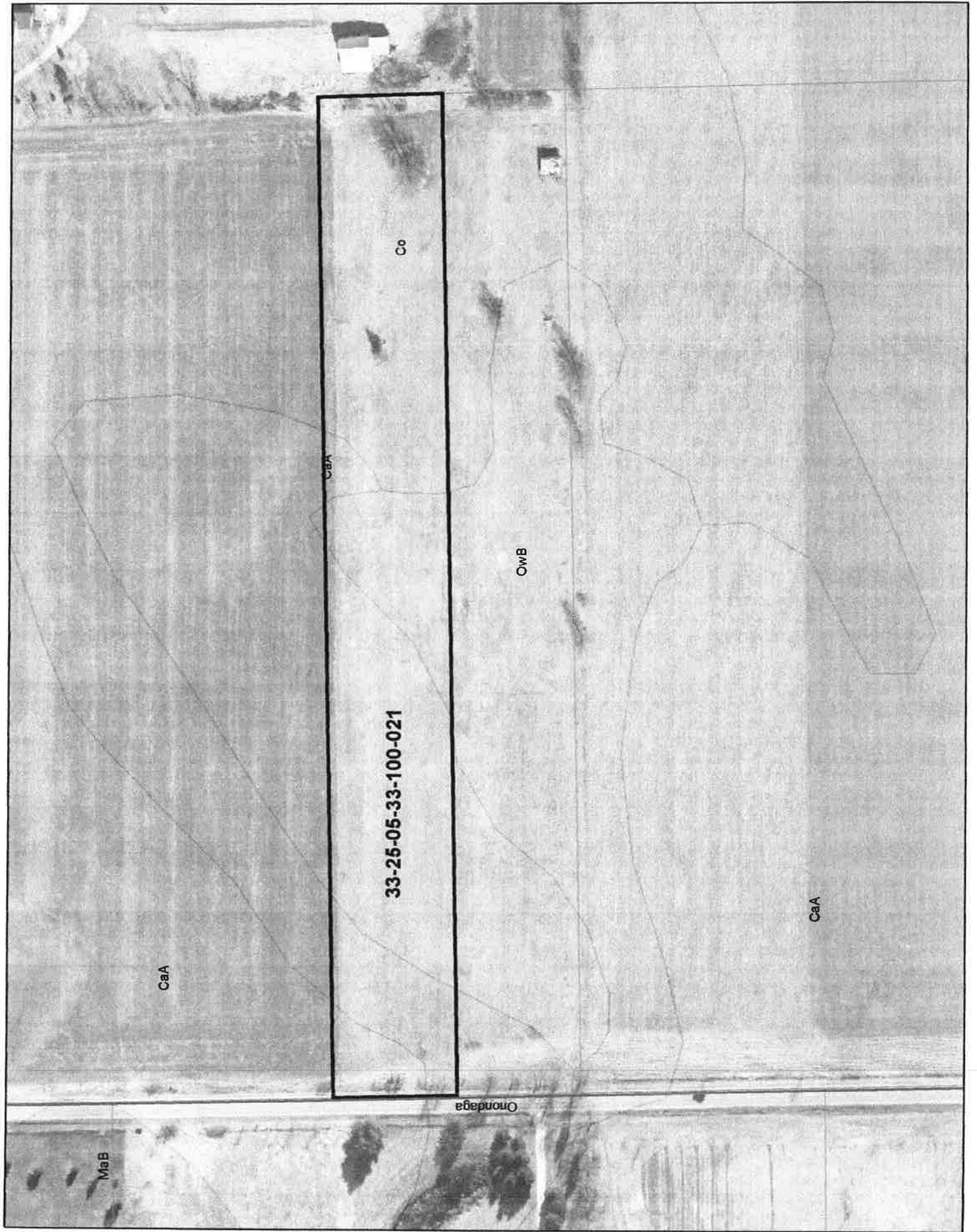
FORM OF PAYMENT: CHECK ONE
☐ Check ☐ Money Order ☐ VISA ☐ Master Card
For credit card payments, please call (517) 887-4312, to speak with a clerical staff member.
Thank you.

Ingham County Equalization/Tax Mapping Viewer



6-74000000





SOIL EVALUATION DATA SHEET

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

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by Jenny Dunn
Address 3007 Victor Rd.
Lansing, MI 48911
Phone # 588-7826

Township Delhi Section 33

Road Location Onondaga Rd.

Subdivision M1B

Lot # _____ Side of Road E

File Search _____

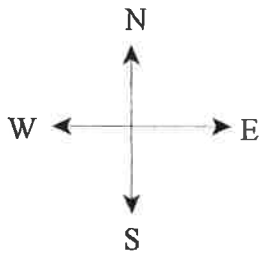
Parcel No. 33- 25-05-33-100-021

Soil Survey Sheet No. _____

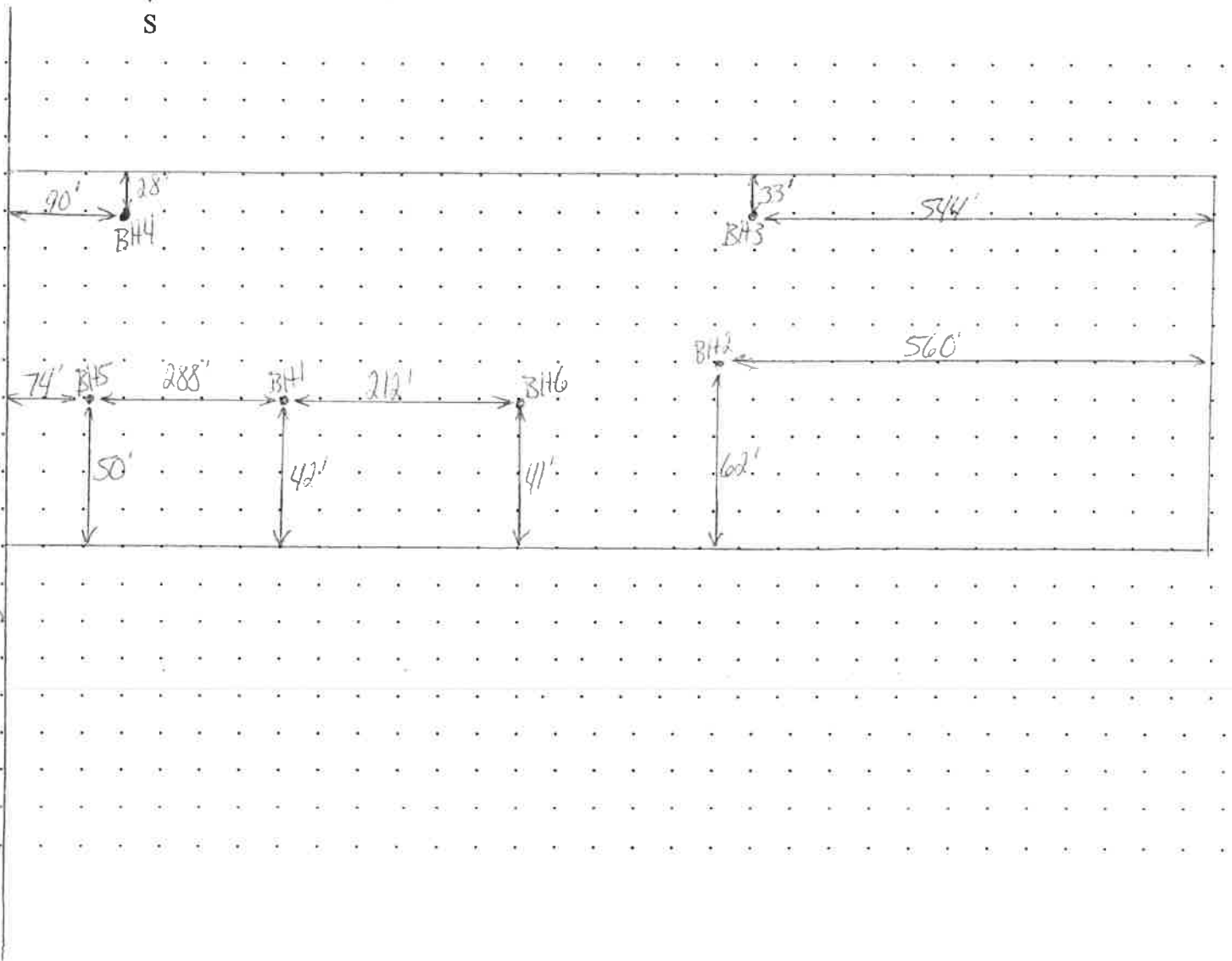
Parcel Size 5 acres

WAG Zone Y (N) WAG SITE _____

☒ Land Owner _____ Realtor
☐ Prospective Buyer _____ Builder
☐ Installer _____ Other



PLOT PLAN



SOIL EVALUATION DATA SHEET

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

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by Dennis Dunn
Address 3009 Victor Rd.
Lansing, MI 48911
Phone # 581-9886

Township Delhi Section 33
Road Location Monolaga Rd.
Subdivision M33

Lot # _____ Side of Road E

File Search _____

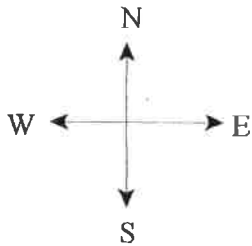
Parcel No. 33- 25-05-33-10-021

Soil Survey Sheet No. _____

Parcel Size 5 acres

WAG Zone Y N WAG SITE _____

☒ Land Owner
☐ Prospective Buyer
☐ Installer
☐ Realtor
☐ Builder
☐ Other



PLOT PLAN

See Attached

Road Location:

Onondaga Rd

Application #

02-20-07-032

Test #	1	2	3	4	5
Type of Test	BH	BH	BH	BH	BH
Depth	54"	60"	60"	48"	48"
Each test hole located on Plot Plan by number	0-12" TS 12"-54" CL (MT) 14"	0-12" TS 12"-60" CL (MT) 12"	0-12" TS 12"-60" SL, L, CL mix (MT) 13"	0-12" TS 12"-18" SL NMT 18"-48" CL (MT)	0-14" TS 14"-24" SL (MT) 18" 24"-48" CL (MT)

SOIL REPORT KEY

S Sand

LS Loamy Sand

SL Sandy Loam

L Loam

Sil Silty Loam

SCL Sandy Clay Loam

SiCL Silty Clay Loam

CL Clay Loam

C Clay

M Muck

B Hand Auger Boring

BH Backhoe Cut

TS Top Soil

MT Seasonal High Water Level (mottling)

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 _____

SOIL STRUCTURE KEY

BK = blocky

GR = granular

PL = platy

M = massive

1 = weak

2 = moderate

3 = strong

Comments:

This site is suitable for alternative on-site
wastewater treatment.

Observer: _____

Sanitarian:

Randy Fekawa

Date:

3-6-07