

INGHAM COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health

REV 1/19/2000

5303 S. CEDAR, P.O. BOX 30161, LANSING, MI 48909
(517) 887-4312

33-14-14-100-011

FOR OFFICE USE ONLY Parcel #33

TYPE OF PERMIT

Residential ☒

Commercial ☐

Well only ☐

Sewage only ☒

Well & Septic ☒

Permit # 8-6-04-335

W.A.G. Site Yes ☐ No ☒

New ☒ Repair ☐

NOTE: Footing drainage, downspouts, water softener and any other waste water not defined as sewage shall not be connected to or discharged into the septic tank system or the sewage disposal area. (Sec. 230.2 Sanitary Code). DRAINFIELD AND RESERVE AREAS MUST BE PROTECTED FROM CONSTRUCTION TRAFFIC.

PERMIT

Septic tank(s) (1) 1500 GAL 2 COMP

* AN EFFLUENT FILTER IS TO BE INSTALLED ON THE OUTLET OF THE LAST SEPTIC TANK

Distribution Tile Total 300 feet

Trench Bottom Area 950 Sq. Ft.

Quantity of Approved Washed 6-A stone Cu. yds

Road No. COVER RD.

Twp. LEUE Sec. 14 Side of Road N S E W

Subdivision MHB Lot # 9

Owner: MARK SCHOOLEY

Builder: SCHOOLEY Well Driller: HART

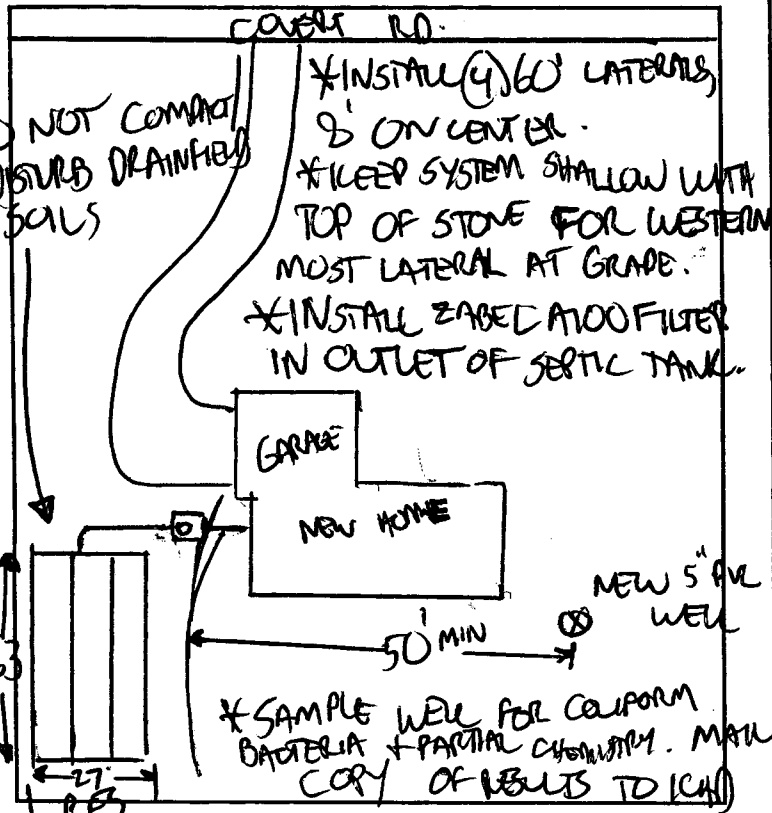
No. of Bedrooms: 3 Design Flow: 350 GPD

RECORD OF FINAL INSPECTION

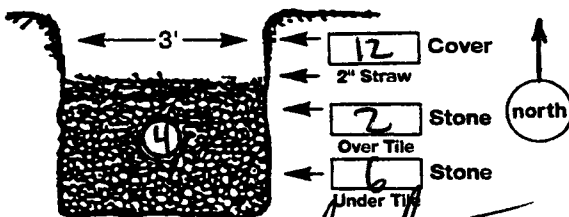
Septic Installer: SHARLES

Deviations from Permit:

Effluent Filter Type:



I.C.H.D. FINAL INSPECTION REQUIRED



Received by: [Signature]

[X] Owner [] Contractor [] Consultant

Issued by: William J. Ricks Date: 8/1/04

Void if not completed within one year. Not transferable.

This permit is not a guarantee of performance.

X EXTEND PERMIT THRU 8/1/06

The 1st septic tank is _____ feet _____ and _____ feet _____ of the

_____ corner of the _____

NOTE: Reserve area designated must remain undisturbed for future septic system expansion.

Inspected by: _____ Date: _____

Comments: _____

[Signature]

Ingham County Health Department

Bruce B. Bragg, M.P.H., Director
Dean G. Sienko, M.D., M.S., Medical Director

Human Services Building
5303 South Cedar Street
P.O. Box 30161
Lansing, Michigan 48909-7661
FAX (517) 887-4560

Bureau of Environmental Health
(517) 887-4312

December 9, 2003

AUG 06 2004

Jerry Barron
163 South Main
P.O. Box 524
Leslie, Michigan 49251

Re: Soil evaluation in Leslie Township, Section 14, South side of Covert Road and West side of Wright Road, Tax number 33-14-14-14-100-001, Application #11-03-03-537

Dear Mr. Barron:

On November 12, 2003, I conducted a soils evaluation to ascertain the suitability of the above-mentioned property for an on-site sewage disposal and final treatment system. The results of the evaluation are enclosed in this letter.


Back hoe cuts 1,2,3,4,7,8,9,10,11,12,15,16,20,21,22,23, and 24 for parcels B through J meet minimum Ingham County requirements for on-site conventional septic systems. The Ingham County Health Department can issue conventional septic permits where we found suitable soils. For parcels B, C, and D, the septic systems will have to be installed very shallow at or near existing grade at the far western portion of each parcel.

Back hoe cuts 4,13, and 14 do not meet minimum Ingham County requirements for a conventional on-site sewage treatment system. Soil conditions found indicate a sandy loam soil with the presence of a high seasonal water table. Septic systems installed on such site conditions may fail prematurely and pose a serious health problem.

There may be an alternative system that can be approved for both parcels. Site conditions that may affect the possible approval of an alternative system, include the size of the parcel, the depth and the lateral extent of suitable soil above the limiting condition, and the natural occurrence of slope. If you wish to pursue the possibility of an alternative system, contact a registered engineer, private consultant or other qualified design engineer for assistance.

If you have any questions or concerns, please call our office at (517) 887-4312.

Sincerely,



William Haun, R.E.H.S.
Bureau of Environmental Health

WH:cm

Enclosure

cc: Leslie Township



SOIL EVALUATION DATA SHEET

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

AUG 06 2004

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by JERRY BARRON

Township LESLIE Section 11

Address 163 S. MAIN, P.O. BOX 524

Road Location SW CORNER OF COVERT +

LESLIE, MI 49729

WRIGHT RD.

Phone # (517) 812-1322 589-9677

Subdivision MAB

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

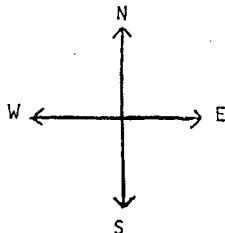
Lot No. _____ Side of Road Stu

File Search _____

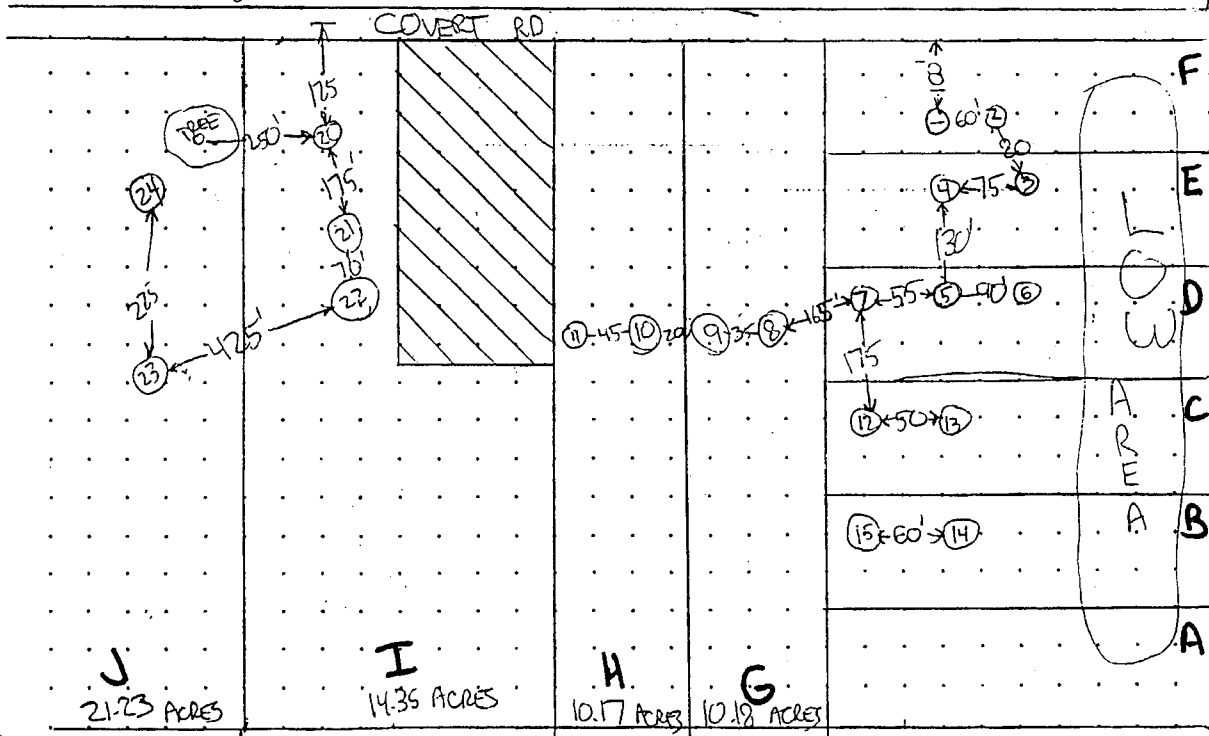
Parcel No. 33- 14-14-14-100-001

Soil Survey Sheet No. _____

Parcel Size 76 ACRES TOTAL



NOT
TO
SCALE
PLOT PLAN



Test #	1	2	3	4	5
Type of Test	BH	BH	BH	BH	BH
Depth	75"	76"	70"	63"	73"
Each test hole located on Plot Plan by number	0-12" B 12-43" SL 43-75" LS OK	0-11" B 11-76" SL OK	0-10" B 10-70" SL (MT) @ 60" OK	0-13" B 13-29" SL 29-63" SL (MT) ENG.	0-12" B 12-73" SL OK

SOIL TEXTURE

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)	Seasonal High Water Level (mottling)
SiL	Silty Loam	M	Muck	(WL)	Water Level (saturation)

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 _____.

Observations, stipulations: _____

Observer: JERRY BARRON

Sanitarian: William Dunn RTHS

Date: 12/1/03

AUG 06 2004

Test #	6	7	8	9	10
Type of Test	BH	BH	BH	BH	BH
Depth	33"	70"	72"	68"	68"
Each test hole located on Plot Plan by number	0-18" TS 18-33" SCL (MT)	0-10" TS 10-34" SL 34-70" LS	0-11" TS 11-72" LS SOME G	0-14" TS 14-30" SL 30-68" S	0-14" TS 14-68" LS
	FAIL	OK	OK	OK	OK

SOIL TEXTURE

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)	Seasonal High Water Level (mottling)
SiL	Silty Loam	M	Muck	(WL)	Water Level (saturation)
		G	GRAVEL		

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 _____.

Observations, stipulations: _____

Observer: JERRY GARDEN

Sanitarian: William G. REX

Date: 12/9/03

AUG 06 2004

Test #	11	12	13	14	15
Type of Test	BH	BH	BH	BH	BH
Depth	60"	61"	58"	60"	60"
Each test hole located on Plot Plan by number	0-12" TS 12-60" LS OK	0-14" TS 14-61" LS OK	0-15" TS 15-24" SL 24-58" SL (MT) ENG.	0-12" TS 12-22" SL 22-55" SL (MT) 55-60" SL (WL) ENG.	0-12" TS 12-48" LS 48-60" LS (MT) OK

SOIL TEXTURE

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)	Seasonal High Water Level (mottling)
SiL	Silty Loam	M	Muck	(WL)	Water Level (saturation)

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 _____.

Observations, stipulations: _____

Observer: JERRY BARRON

Sanitarian: William Hahn Rents

Date: 12/1/03

AUG 06 2004

Test #	16				20
Type of Test	BH				BH
Depth	63"				67"
Each test hole located on Plot Plan by number	0-12" TS 12"-48" SL 48"-63" S (MT)				0-10" TS 10"-67" LS
	OK				OK

SOIL TEXTURE

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)	Seasonal High Water Level (mottling)
SiL	Silty Loam	M	Muck	(WL)	Water Level (saturation)

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 _____.

Observations, stipulations: _____

Observer: John Brown
 Sanitarian: William Brown RLS Date: 12/10/03

AUG 06 2004

Test #	21	22	23	24	
Type of Test	BH	BH	BH	BH	
Depth	60"	62"	62'	60"	
Each test hole located on Plot Plan by number	0-12" TS 12"-48" LS 48"-60" SCL	0-10" TS 10"-62' LS	0-10" TS 10"-62" SL	0-9" TS 9"-30" SL 30"-60' S	
	OK	OK	OK	OK	

SOIL TEXTURE

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)	Seasonal High Water Level (mottling)
SiL	Silty Loam	M	Muck	(WL)	Water Level (saturation)

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 _____.

Observations, stipulations: _____

Observer: Bob Barron

Sanitarian: William Brown REHS

Date: 12/1/03

AUG 06 2004

MAKE CHECKS PAYABLE TO:
Ingham County Health Department

SEE ATTACHED SOIL
DATA SHEET

BORING _____ BACKHOE _____ EVALUATION DATE 8/1/04 OBSERVER _____

TEST #

S	Sand	C	Clay
LS	Loamy Sand	M	Muck
SL	Sandy Loam	MT	Seasonal High Water Level (Mottling)
L	Loam	WL	Water Level (Saturated)
SiL	Silty Loam	CCL	Calcareous Clay Loam
SCL	Sandy Clay Loam	SiCL	Silty Clay Loam
CL	Clay Loam	FS	Fine Sand
TS	Top Soil		

PERMIT RECOMMENDATION:

YES ☒ CONVENTIONAL ☒ NO ☐
ALTERNATIVE ☐

Remarks & Observations: _____

SANITARIAN'S NAME: William G. Rags

DATE: 8/1/04