### M-H-14-100-011 FOR OFFICE USE ONLY Parcel #33 **INGHAM COUNTY HEALTH DEPARTMENT** TYPE OF PERMIT Residential Permit # 8 - 6 - ( **Bureau of Environmental Health** REV 1/19/2000 Commercial W.A.G. Site Yes Well only 5303 S. CEDAR, P.O. BOX 30161, LANSING, MI 48909 Sewage only (517) 887-4312 Repair Well & Septic

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	Road No. COUSU Side of Road NSE W Subdivision MHB Lot #
PERMIT Septic tank(s) 670 670 2 COMP	Owner: MAUL SCHOOLE/ Builder: SCHOOLE/ No. of Bedrooms: 3 Design Flow: 350 GPD
• AN EFFLUENT FILTER IS TO BE INSTALLED ON THE OUTLET OF THE LAST SEPTIC TANK  Distribution Tile Total feet	
000-	RECORD OF FINAL INSPECTION
Trench Bottom Area 959 , Sq. Ft.	Septic Installer: SHOUELES
Quantity of Approved Washed 6-A stoneCu. yds	Deviations from Permit:
CONFUL IN	
DO NOT COMPANY & ON CENTER. SHALLOW WITH	Effluent Filter Type:
MUST LATERAL AT GRADE."	
XINSTALL ZABED ALOO FILTER	
GRANE GRANE	
Wen HOWE	
MEN 5 GV.	
BACTERIA + PARTIAL CHANNING. MAIN CORY OF MEUTS TO ICHI	
, I.C.H.D. FINAL INSPECTION REQUIRED	
3'-> Cover 2" Straw	
Over Tile Stone Stone	The 1st septic tank isfeet andfeet of the
Received by Manual Voo	NOTE: Reserve area designated must remain undisturbed for future septic system expansion.
[ ] Owner [ ] Contractor [ ] Consultant	Inspected by: Date
Issued by: Thurm ham lets Date: Silloy	Comments:
Void if not completed within one year. Not transferable.	

This permit is not a guarantee of performance.

# 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 Buroau of Environmontal Health (517) 887-4312

un 48909-7661

AUG 0 6 2004

December 9, 2003

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 33-14-14-100-001, 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 installed very shallow at or near existing grade at the far western portion of each parcel.

Back hoc 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 scrious 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

c: Leslie Township



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

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by <u>JERRY RARRON</u>	Township KIE Section
Address 163 S. MAIN, PO. ROX 524	Road Location SW COUNT OF COURT F
LESLIE, M 1 497251	WRIGHT ROS.
Phone # (517) 812-1372 589.9677	Subdivision MAB
Land Owner Realtor	Lot No Side of Road S+4
Prospective Buyer Builder	File Search
☐ Installer ☐ Other:	Parcel No. 33- 14-14-16-100-001
N	Soil Survey Sheet No.
$\uparrow$	Parcel Size 76 ACRES TOTAL
W E NO	
SCALE	1
PLOT PK	ÁN .
s T COVERT RD	
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J. J. H.	
21.23 ACRES 14.35 ACRES 10.17	ACRES 10.18 ACRES

Test #		7	3	4	5
Type of Test	BH	Rit	BH	RH	RH
Depth	75"	76"	70"	63"	73"
Each .	Q-N"B	0-11 73	0.013	C-B" BALLETS	0-12"13
test	12.43 SL	11-76' SL	10-70 SL	13-29 SL	12-73"54
hole	43-75" LS		(M) (M)	29-63 SL	
located				M	
on					
Plot					
Plan					
by					
number	OK	OK	DX	ENG.	OL

LS SL · SIL	Loam Silty Loam	SICL Silt CL Clay C Clay M Muck	ty Clay Loam y Loam · · y	BH TS WL	Top Soil	1g)
	1) Severely res 2) Impervious 1 3) High seasona 4) Wet depressi 5) Slope limita 6) Overflow of 7) Insufficient	trictive so ayer within 1 water lev ons or poor tions (exc run-off wat space for	oil features.  48" of groupel.  r surface draineeds %).  ter from adjacereplacement of	nd surf nage. ent hie	gher areas.	
Observ	vations, stipulatio	•				
	and the second s					
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Obser	ver: JERRY BARRO	. l .	<del></del>			
	arian: Whom H	un REHS			Date: 12903	

Test #	6	7	E	9.	10
Type of Test	BH	BH .	Вн	BH	BH
Depth	33"	70"	72"	68"	Q"
Each .	0-12" TS	0-10" 73	0-11"13	0,14" 13	6-4"TS
test	18-33" SU	10-34 SL	11-72 LS SOME G	14-30 SL	14"-68" 15
hole		34-70'15	SOME G	30-68 5	
located					
on					
Plot					
Plan					
by					
number	FAIL	OK	OK	OK	OK

S	Sand	SCL	Sandy Clay	Loam	В	Hand Auger Boring	
LS	Loamy Sand	SicL	Silty Clay	Loam	вн		
S.L .	Sandy Loam						
L	Loam	C			(MT)	Seasonal High Water Level (m	nottling
SIL	Silty Loam	M	Muck		Wi)	Water Level (saturation)	no cerring,
	, 250		GRAVER		•••	water tever (sataration)	
Limit	ations of the site	6≃ that	affect use of	of on-si	ite su	bsurface sewage disposal:	
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00	<ol> <li>High seasona</li> <li>Wet depressional</li> </ol>			o desia			
=	5) Slope limita				rage.		
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Obser	ver: <u>JBRRY BARRO</u>	1					
Sanit	arian: Whin Hou	. 00	b			Date: 17,903	
2011. (	S S Wall Shall	W ICE	17.	<del></del>	<u> </u>	Date . [10] MO)	

Test #	11	12	13	14	15
Type of Test	BH	BH	· BH	BH	BH
Depth	60,	61"	58"	60	6(5)
Each	0-12"13	6-14"13	O-15"TS	0-12"TS	0-12"13
test	12-60 15	14-61 15	15-24 SL	12-22 SL	12'-48"LS
hole			24-58 SUM	27-55 21 M	48-60 LEGIMT
located				55"-60 4 LUL)	
on					
Plot					
Plan					
by					
number	OK	OK	ENG.	ENG.	OK

	Loamy Sand Sandy Loam Loam Silty Loam	SiCL S CL C	ilty Clay L lay Loam lay luck	oam BH	Backhoe Top Sol Seasona	uger boring e Cut i)	
0000000		trictive ayer wit l water ons or p tions ( run-off space f	soil featu hin 48" of level. oor surface exceeds : water from or replaceme	res. ground sur drainage. %). adjacent hent of dra	face. igher are	as.	
0bserv	vations, stipulation	ons:	- A				
	ver: JERRY BARRO arian: Whom How	Λ .			Date:	129/03	

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Test #	16		20
Type of Test	BH	. :	BH
Depth	63"		67"
Each :	012"73		0-10°T3
test	12"-48" SL		10-67 15
hole	ug-13' s(m)		
located			
on			
Plot			
Plan			
ьу			
number	CV		Ok

S LS SL · L	Sand Loamy Sand Sandy Loam Loam Silty Loam	CL	Silty Clay Loam		Hand Auger Boring Backhoe Cut Top Soil Seasonal High Water Level (mottling) Water Level (saturation)
Limit	ations of the site	that	affect use of on-s	ite su	ubsurface sewage disposal:
	1) Severely res 2) Impervious 1 3) High seasons 4) Wet depressi 5) Slope limita 6) Overflow of 17) Insufficient	tricti ayer w l wate ons or tions run-of space isola	ve soil features. ithin 48" of groun	d surf nage. ent hi f drai	ace. gher areas.
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0bser	ver: FRE BARRON	Λ :			
Sanit	arian: John Ma	m Kel	<u> </u>	· · ·	Date: 2403

Test #	71	22	73	24	
Type of Test	BH	BH	. BH	RH	
Depth	60"	62"	62°	60'	
Each :	0-12" 73	0-10" 13	0-v"B	0.9"13	
test	12"-48" LS 48-60" SCL	10-62' 15	10-62" SL	9-30" SL 30-60 S	
hole	48-60 scc			30°-66' S	
located					
on .			·		
Plot					
Plan					
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number	OK	OX	OK	OK	

S LS SL L S:L	Sand Loamy Sand Sandy Loam Loam Silty Loam		Sandy Clay Loam Silty Clay Loam Clay Loam Clay Muck	B BH TS	Hand Auger Boring Backhoe Cut Top Soil Seasonal High Water Level (mottling Water Level (saturation)					
Limita	ations of the site	that a	affect use of on-si	ite su	bsurface sewage disposal:					
<u></u>	<ul> <li>1) Severely restrictive soil features.</li> <li>2) Impervious layer within 48" of ground surface.</li> <li>3) High seasonal water level.</li> <li>4) Wet depressions or poor surface drainage.</li> <li>5) Slope limitations (exceeds %).</li> <li>6) Overflow of run-off water from adjacent higher areas.</li> <li>7) Insufficient space for replacement of drainfield.</li> <li>8) Insufficient isolation distance from</li> </ul>									
Observations, stipulations:										
	·									
Observ	ver: LART BIARRO	m/								
Sanita	orian: Whan the	un R	Elis		Date: 129/03					

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

5	FOR RESIDENTIAL DWELL	LINGS		* OFFICE USE ONLY  * Parcel #				
NOTIC	E TO APPLICANT FOR SITE EVA	I IIATION & PED	OMIT					
	it must be obtained before any const			* App. # 08-0	6-14-335			
•	would become void if surface soil co			* Soil Map#				
	g or filling. Any decision by the Bur			* Amount Received: \$_	800° cm			
	may be appealed. See Provisions of	the Ingham Count	ty	* Receipt # 1052				
Sanitar	y Code, latest edition.			* W.A.G. Review Y	es No			
*****	*******	****	*****	* Zone	******			
				SUBMIT CORRECT FEE				
	Vacant Land Evaluation*	\$400.00	X	New Well & Septic Permit	\$800.00			
	New Septic Permit Only	\$400.00	· · ·	Well Repair/Replace	\$100.00			
·	New Well Permit Only	\$400.00		Septic Repair/Replace	\$100.00			
	Alternative System Plan Review	\$300.00		Land Eval. can be upgraded to a Well & Septic.				
	ship: <u>Leslie</u>				• • • • • • • • • • • • • • • • • • •			
10 111	Sim: <u>2001</u> .	5	ECTION.		$\downarrow$			
SUBDI	VISION:		LOT#	·	<u> </u>			
PARCE	EL SIZE:X	# O	F ACRES		N			
ROAD	LOCATION/OR ADDRESS:	suert Ro	ad	Sid	e of Road: NS E W			
PRESE	NT OWNER: Ma(K W	. Schoole	<b>'</b>		(circle one) _			
BUYEI	R:N/A		· .		_			
APPLI	CANT'S NAME: Ma(K W	. Schoole	3/	PHONE: 5175	589-9801			
	(PLEASE	PRINT)	/	ALTERNATIVE PHONE:	<u>517230-5178'</u>			
46	25 W. Territorra	1 Rd	Rives	Junction MI	49277			
****	Address ***********************************	ريان ولاد ولاد ولاد ولاد ولاد ولاد ولاد ولاد	City	le de chanks de ale de de chanks de de ale de about de de ale de ale de	Zip			
	OWN, PLEASE PROVIDE: # o		· • • • • • • • • • • • • • • • • • • •	Has land been previously eval	1			
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	ORIZATION: grant and authorize representatives of	the Inchem country	, Uaalth Dan	continuent and wight of outer outs th				
above, a	nd to hold them harmless against any	and all claims of tre	snass. The	oarument and right of entry onto the right of entry shall include the r	ie property described			
backhoe	excavations for evaluating geological	and soil conditions	for an on-si	te sewage treatment system and/o	r well. The buyer or owner			
may hav	ve to provide a backhoe for soils eyalua	tion)						
SIGNE	D: 1// a/1/ // 100	3		DATE: 8-6-0L	<u> </u>			
*****	**************************************	**********	*****	*********				
SUBMIT	TTO: Ingham County Health Depa Bureau of Environmental He			M OF PAYMENT: CHECK ONE				
	5303 S. Cedar, P.O. Box 301		* L <del>'C</del> n	CGIMORE,	1			
	Lansing, MI 48909		* Cred	it Card Expiration Date: Month	Year 2			
	MATCH OTTO NATA	DY IS IS A		it Card Account Number:				
	MAKE CHECKS PAYA		* _4					
	Ingham County Health D	epartment	* Banl * Aut	minual Signa				
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# SEE AMACHED SAL OAMA SHEET

BORING	ВАСКНОЕ	EVALUATION DATE	8/104	OBSERVER_	
TEST #					
		YES	Sand Loamy Sand Sandy Loam Loam Silty Loam Sandy Clay Loam Clay Loam Top Soil  MIT RECOMMEN ALTERNATIVE rks & Observations:	SiCL FS DATION: AL 💆	Clay Muck Seasonal High Water Level (Mottling) Water Level (Saturated) Calcarious Clay Loam Silty Clay Loam Fine Sand
SANITARIAN	'S NAME: Ulliam Haun	r Retts		DATE:	8/11/01