

INGHAM COUNTY HEALTH DEPARTMENT

☒ Lansing Office
403 W. Greenlawn
Tel. 371-5360

☐ Mason Office
121 E. Maple
Tel. 677-3711

Sewage Disposal System and Well Permit

In accordance with Ingham County Sanitary Code and Act 294, 1965 and Rules.

Soil Type W70.0M

Depth to Water Table _____ ft.

Perc. Tests: BACKHOLE CUTS Inches Per Hour _____

By: Seal Date 6-11-76

Septic tank (s) 2 - 1000 gal.

Distribution Tile Total 400 feet

Trench Bottom Area 1200 sq. feet

Quantity of Approved Stone 50 Cu. Yd. Half inch to One inch size with none passing $\frac{3}{4}$ "

Slope of Trench Bottom and Distribution Tile 1 Inch In 25 Ft.

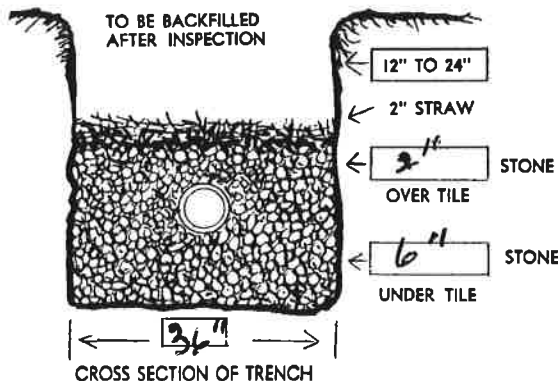
Spacing between ends of tile $\frac{3}{8}$ ths inch, joints stripped, or approved perforated plastic in ten foot lengths with fittings.

The elevation of the building sewer shall be such that the maximum depth of the distribution tile shall be between 12 inches and 24 inches from finished grade to top of tile, as specified in Section 260.8, or as approved by the Health Officer. If the elevation of the building sewer is too low to meet these elevations, a sewage ejector may be required.

ISOLATION STANDARDS FOR PRIVATE WATER SUPPLIES:
Between well and tank or any part of the tile field — 50 FEET for single residence, 75 FEET for Grade-A Milk Producers, Public Establishments, Multiple Dwellings. No sewer line within 10 feet of any well or suction line; Cast iron soil pipe, or schedule 40 plastic, N.S.F. approved, required within 50 feet of any well.

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, 1 & 230, 2). All sewage, including sink and laundry waste, must be connected to the septic tank.

FINAL INSPECTION REQUIRED BEFORE BACKFILLING



☒ New

☐ Repair

Township DETH. Sec. 35-1

Address or Location S.W. corner of Edgar & Harper

Subdivision _____ Lot No. _____

Owner Wm Lycos

P. O. _____ Phone _____

Builder _____

Well Driller _____

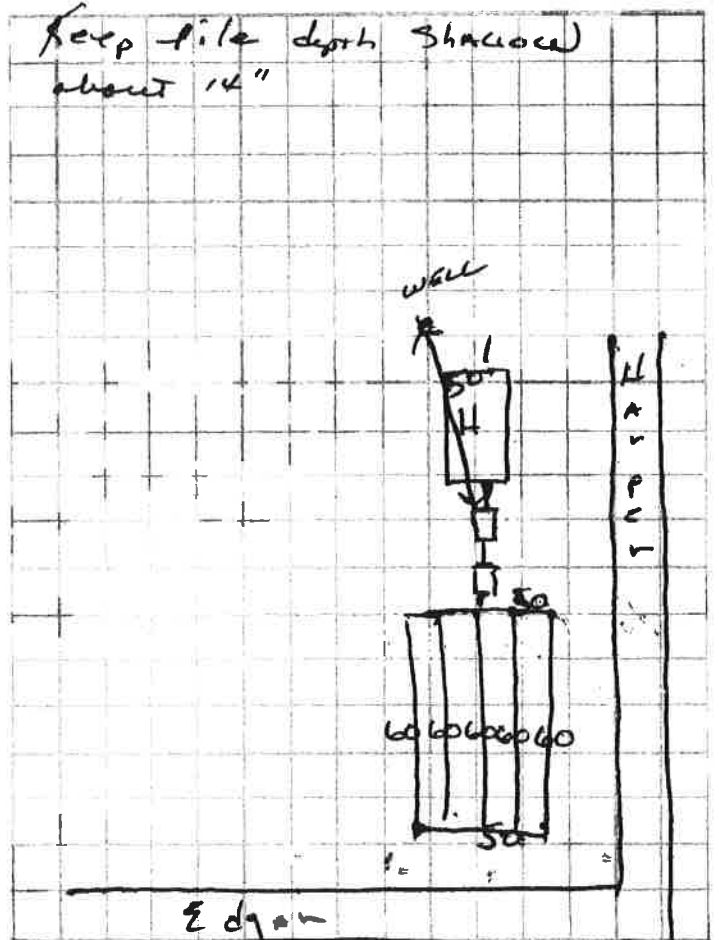
☒ Residence ☐ Other _____

Number of Stories 1 Basement YES Lot Size 1 Acre ' X ' _____

Number of Bedrooms 3 Number of Baths 1 1/2 Garbage Grinder OK

Space reserved for replacement Distribution Field: YES

SITE PLAN AND SPECIAL STIPULATIONS:



Issued by R. June RA Date 6-15-76

Subject to field inspection. Void if not completed within one year.
Not transferable. This permit is not a guarantee of performance.

Received by William E. Lycos
(Signed) ☒ Owner ☐ Builder ☐ Installer

Void
3-14-77

SOIL EVALUATION DATA SHEET

Ingham County Health Department
P.O. Box 40061 Lansing, Michigan 48901

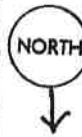
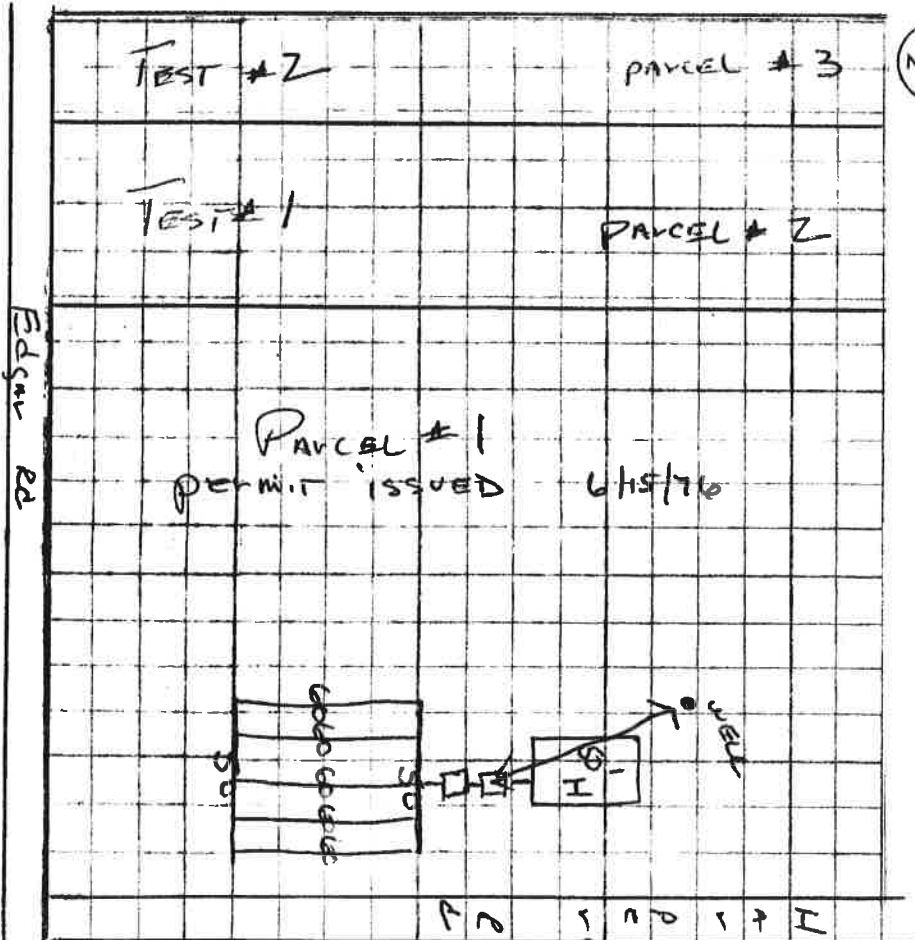
THIS RECORD SHALL NOT CONSTITUTE A PERMIT

file in
Delhi Twp
Edgar Rd

Requested by William Lycos
Address 5361 ELIAS CT
LANSING, Mich. 48910
Phone # 393-7367
☐ Realtor ☐ Buyer ☐ Builder
☐ Installer ☒ Other OWNER
Owner William Lycos

Township DELHI Section 35
Location CORNER of Edgar & Hyper (Road)
Subdivision MEETS & BOUNDS
Lot No. (s) _____ Side of Road WEST
Specific Site _____
Parcel No. _____
Co. Drain District _____

S.W. Corner



RESULTS

Soil Type: MEDIUM

Test #1: ☐ Boring ☒ Backhoe

Water Table: _____ ft.

Test #2: ☐ Boring ☒ Backhoe

Water Table: _____ ft.

Test #3: ☐ Boring ☐ Backhoe

Water Table: _____ ft.

Stipulations: PARCEL #S 2 & 3 CAN be built UPON. DRAINFIELD TO be installed in FRONT close TO Road - Need 2-800 gal tanks & 1050 sq. ft. NO larger than a 3 bedroom home on each parcel

Permit recommended: Yes No
Date: 6-15-76

Observer: R. Level R.S. & Ron Byrge

Sanitarian: R. Level R.S.

INGHAM COUNTY

HEALTH DEPARTMENT

Human Services Building
5303 South Cedar Street
P.O. Box 30161
Lansing, Michigan 48909

Bureau of Environmental Health (517) 887-6988
FAX (517) 887-6380

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

April 26, 1989

Mr. Robert Royce
951 N. Edgar Road
Mason, MI 48854

Re: Soil evaluation with proposed three parcel split on the west
side of Edgar Road, Section 35, Delhi Township, appl. #3-23-89-87

Dear Mr. Royce:

On April 20, 1989 I arrived at the above referenced parcel to ascertain soil conditions and to determine the suitability of the soils for the construction of an on-site sewage disposal system for a proposed three parcel split of land located just to the north of 951 Edgar Road. Four (4) soil borings were made on the parcel. See the attached soil evaluation data sheet for the location of the soil borings.

Boring #1 was made approximately 90 feet west of the road and 90 feet north of the south property line and revealed eight inches of topsoil and three feet of heavily mottled sandy clay loam. The bore hole was filled with water at seven inches below grade.

Boring #2 was made approximately 125 feet west of the road and revealed 12 inches of topsoil, 2-1/2 feet of heavily mottled clay and three feet of heavily mottled clay loam. Water was standing in the hole at a depth of three feet.

Borings #3 and #4 were made on the northernmost parcel and revealed loam to loamy sands which were wet, and sandy clay loams which were also very wet. The water level was encountered at depths ranging from 14 to 24 inches below existing grade.

Based on our observations, this parcel cannot be approved for the installation of a subsurface sewage disposal system because of evidence of a high seasonal water table and observance of actual water saturation. It may be possible to construct a mound-type septic system on one or more of these parcels. If this option is chosen, an engineering consulting firm should be consulted to further evaluate the soils and prepare a site plan for an above ground or mound septic system to overcome the high water table and any other soil limitation present.

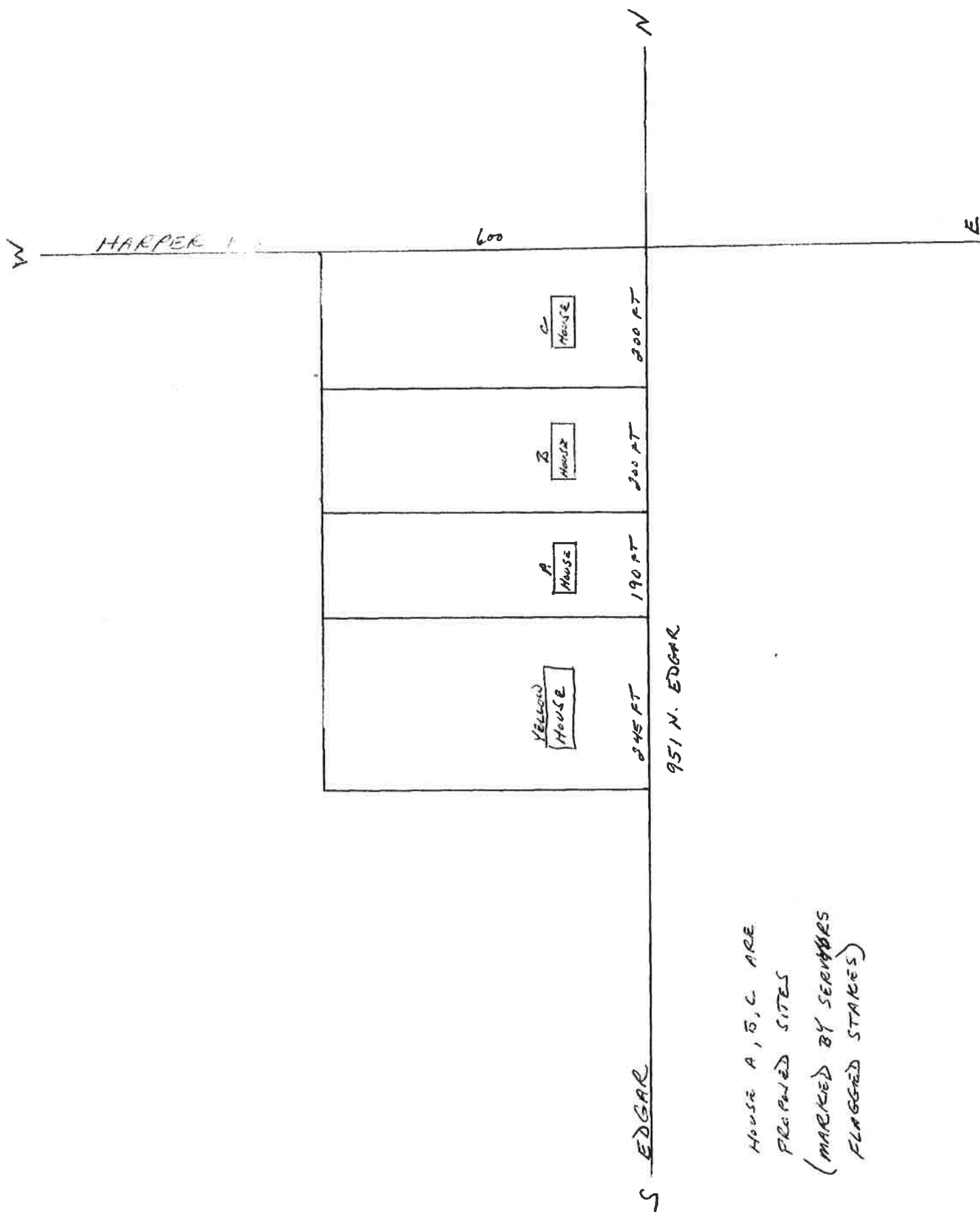
Once again, this parcel cannot be approved for the installation of a subsurface sewage disposal system. Should you have any further questions regarding this matter, please feel free to contact me.

Sincerely,



Randall Kamm, R.S.
Bureau of Environmental Health

cc: Delhi Township
Enclosure



SOIL EVALUATION DATA SHEET

Ingham County Health Department
P. O. Box 40061 Lansing, Michigan 48901

THIS RECORD SHALL NOT CONSTITUTE A PERMIT

Requested by ROBERT + MARILYN ROYCE

Address 951 N. EDGAR

MI 48854

Phone # 676-3832

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

Township DELHI Section 35

Road Location EDGAR RD

NORTH OF 951

Subdivision _____

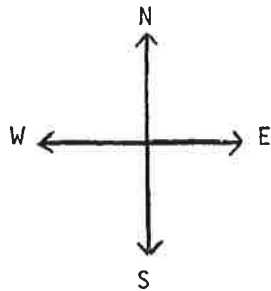
Lot No. _____ Side of Road W

File Search _____

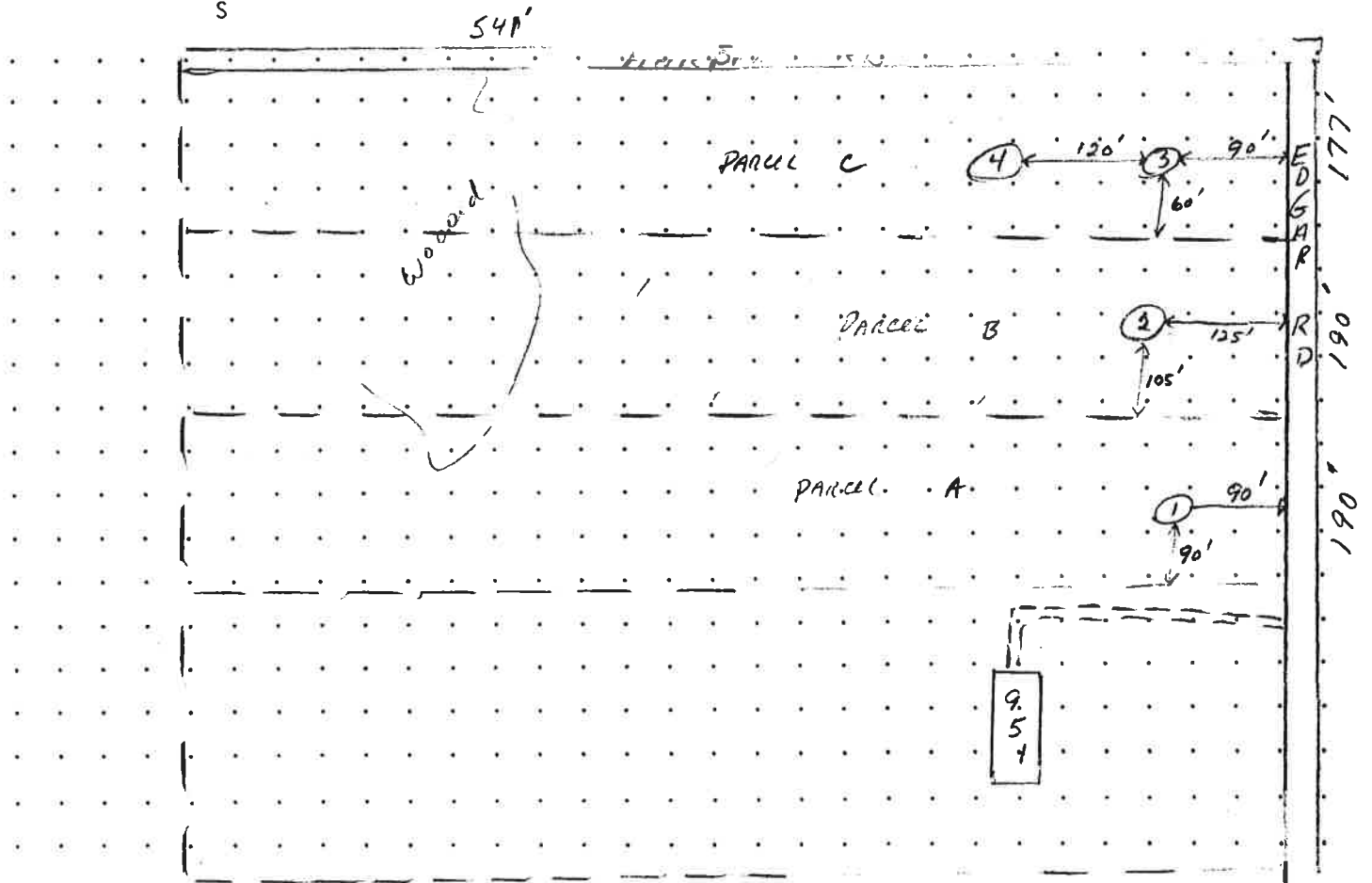
Parcel No. 33- _____

Soil Survey Sheet No. _____

Parcel Size _____



PLOT PLAN



4-21-89 12100

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

FOR RESIDENTIAL DWELLINGS

SUBMIT TO:

INGHAM COUNTY HEALTH DEPARTMENT
5303 S. CEDAR ST., P.O. 30161
LANSING, MI. 48909 (517)887-6988

***** OFFICE USE ONLY *****

Parcel# _____

App. # 3-23-89-87

Soil Map # _____ SCS # _____

Receipt # 0402679

W.A.G. Review: Yes _____ No _____

Zone _____

NOTICE TO APPLICANT FOR SITE EVALUATION AND PERMIT:

Before on-site evaluation will be made, stake out the property lines and the approximate location of house or other buildings. If it is deemed necessary to make a subsurface soil evaluation with assistance of a backhoe, you will be contacted to make the necessary arrangements at your own expense. 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. Any decision by the Bureau of Environmental Health may be appealed. See provisions of the Ingham County Sanitary Code, latest edition.

CHECK ONLY ONE

☒ VACANT LAND
☐ SEPTIC & WELL

☐ WELL ONLY
☐ SEPTIC ONLY

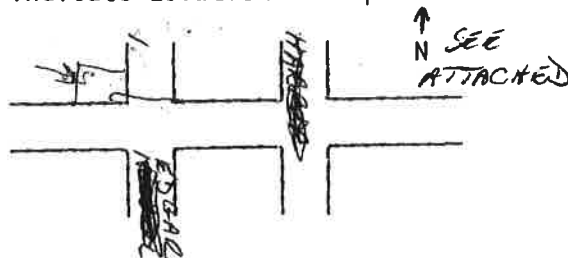
☐ WELL REPAIR/REPLACE
☐ SEPTIC REPAIR/REPLACE

951 N. EDGAR

Address and/or Road

Side of Road: N S E W
(Circle 1)

Indicate Location On Map Below



TOWNSHIP: DELHI SECTION: 35
SUBDIVISION: _____ LOT # _____
PARCEL SIZE _____ x _____ NO. OF ACRES _____

PRESENT OWNER: ROBERT/MARILYN ROYCEPERSON TO CONTACT: ROBERT ROYCE

Name (Please Print)

PHONE: 676-3832 (H)
349-6500 (W)

951 N. EDGAR MASON
Address City

48854
Zip

IF KNOWN, PLEASE PROVIDE FOLLOWING INFORMATION:

SEPTIC SYSTEM: No. of Bedrooms: _____, No. of Bathrooms: _____

Basement: _____ Yes _____ No, Bathroom in Basement? _____

Has land been previously evaluated by the Health Department? _____ Yes _____ No

If yes, when: _____

WELL: 2" _____ 4" _____ 5" _____ Well Driller: _____

Do you have underground

fuel storage? _____ Yes _____ No

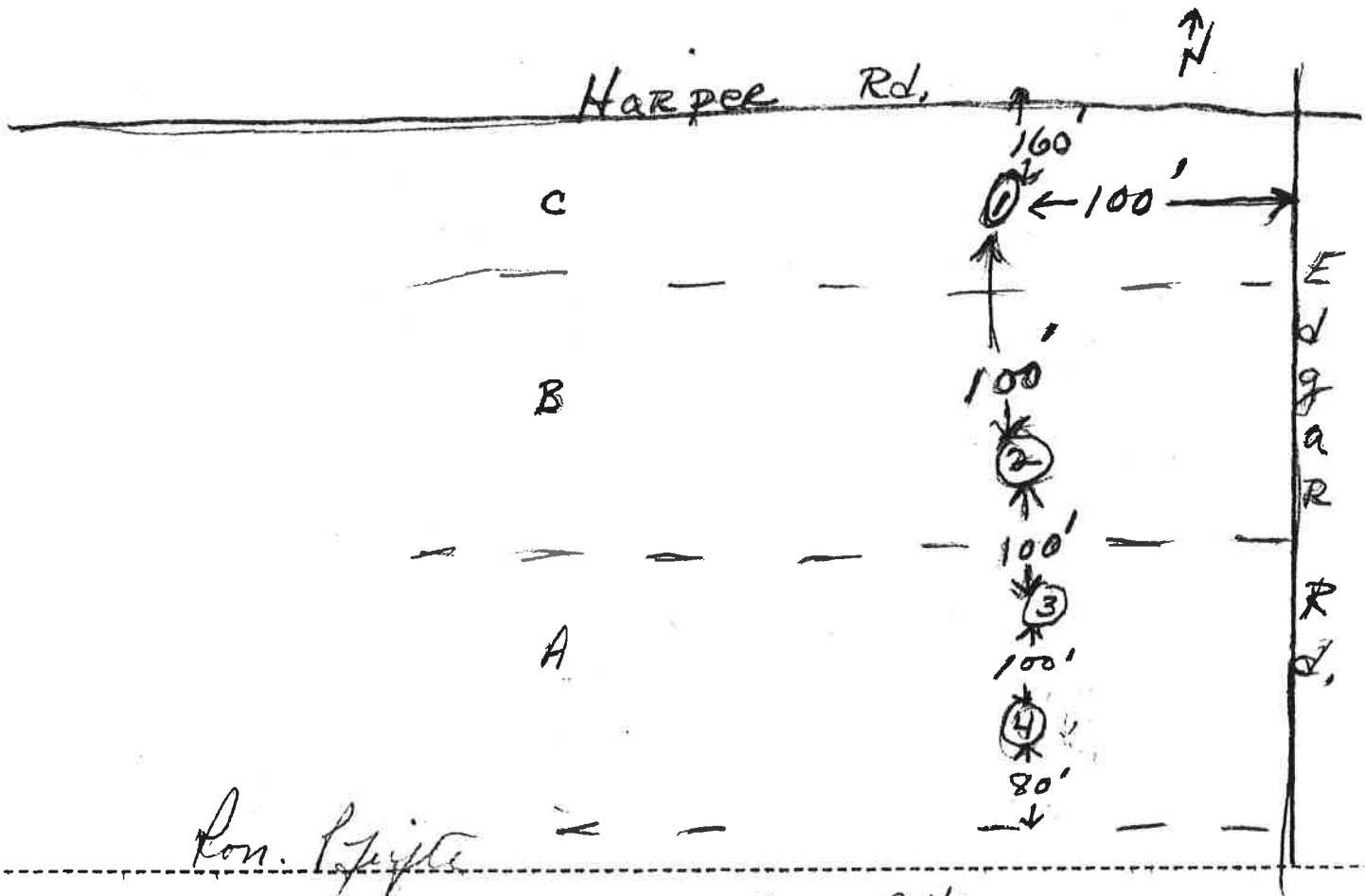
Do you have a: Septic system _____

Municipal sewer _____

AUTHORIZATION:

I hereby grant and authorize representatives of the Ingham County Health Department a 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 disposal system.

Signed: Robert RoyceDate: 3/23/89



Ken. Lytle

Boring X Backhoe _____ Evaluation Date 7-27-94 Observer _____

Test #1 #2 #3 #4 #5

0-10"	0-10"	0-13"	0-12"
T.S.	T.S.	T.S.	T.S.
10"-16"	10"-14"	13"-20"	12"-16"
(MT)	(MT)	gray sil	(MT)
C	C	20' (MT)	C
		C	
Borings #1-#4			

S	Sand	C	Clay
LS	Loamy Sand	M	Muck
SL	Sandy Loam	MT	Seasonal High Water Level (mottling)
L	Loam	SAT	Water Level (Saturation)
Sil	Silty Loam	CCL	Calcareous Clay
SCL	Sandy Clay Loam	SiCL	Silty Clay Loam
CL	Clay Loam		

PERMIT RECOMMENDED: Yes _____ No ✓
Conditional _____

Remarks & Observations: _____

Sanitarian's Name: *Randall L. Lamm RS*

Date: 4-28-89

Road Location _____

Permit No. 33-
(after issuance) _____

Test #	1	2	3	4	
Type of Test	B	B	B	B	
Depth	3'	3'	24"	18"	
Each test hole located on Plot Plan by number	0-8" T.S. 8"-3' SCL HEAVY (MT) (WL) 7"	0-12" T.S. 12"-2 1/2' C HEAVY (MT) 2 1/2'-3' CL HEAVY (MT) (WL) 3'	0-12" T.S. 12"-24" wet LS 24" wet SCL m, (W) 24	0-12"- T.S. wet 12"-18" L (WL) 14"	

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: _____

Sanitarian: Randall J. m m P.S.Date: 4-25-89