

9/20/99  
NOON  
9/22/99  
2:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-327734

P 512676  
56430H  
A ~~56429EX~~

DISTRICT \_\_\_\_\_

DATE 8/23/99

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 9/22/99

INSPECTOR S.R.K.

# INDEXED

Lehsac Plumbing & Heating IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 202 Azar Court, Baltimore, MD 21227 PHONE 410-242-6888

SUBDIVISION Gaither Hunt LOT 58 ROAD 12005 Open Run Court

PROPERTY OWNER Ryan Homes

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

\*\*\*OPEN TRENCH INSPECTION REQUIRED\*\*\*

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Starting at the front lot line, go to a point 130 feet up the right (276.54') lot line, then place distribution box 90 feet off this point. Install trenches on contour toward the right property line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 7/28/99 DCJ*

PLANS APPROVED BY Ronald J. Pinkley/C. Williams DATE 7/02/1999

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

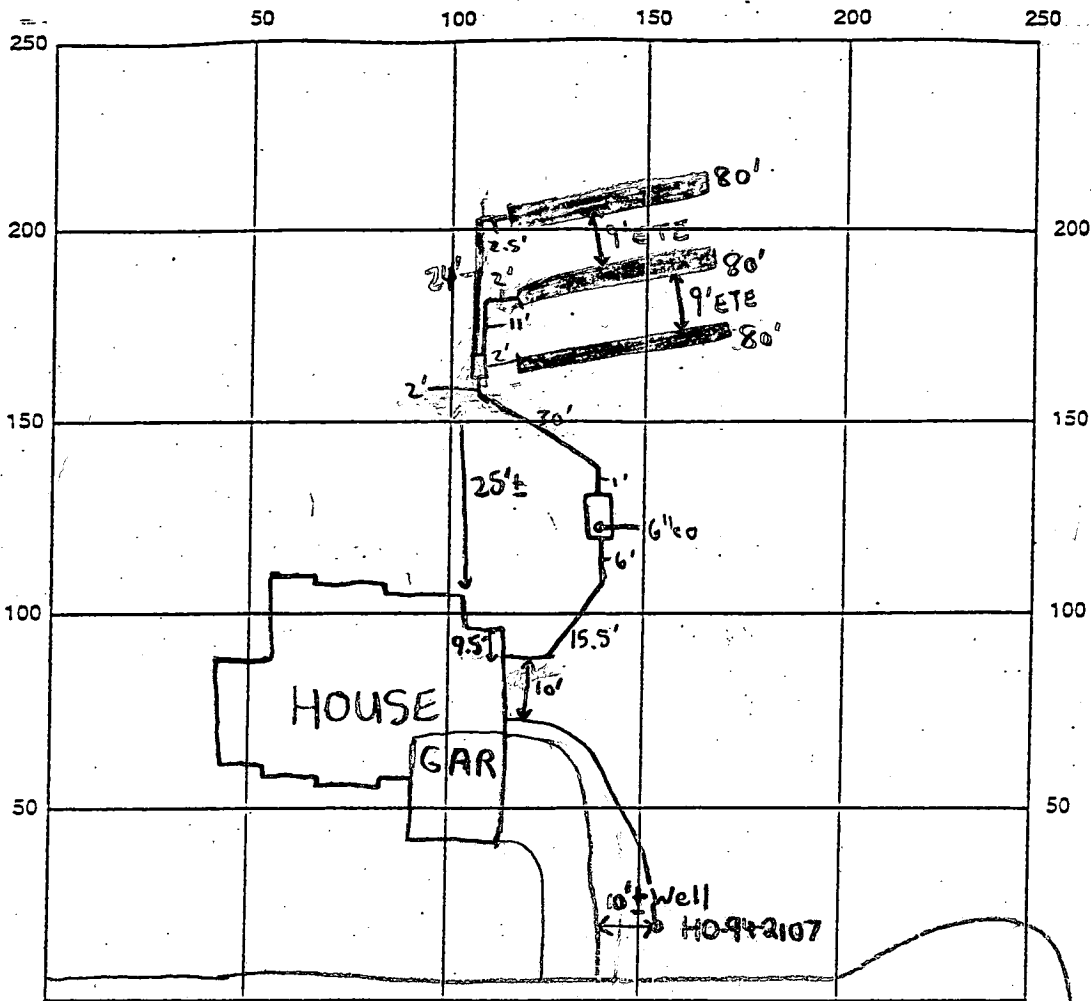
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

56430H

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
OPEN RUN COURT

SEPTIC TANK LEVEL 1250 gallon mid seam CLEANOUTS 6" @ Tank

DISTRIBUTION BOX LEVEL  Baffles in

DRAIN FIELD/TILE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

BRWELL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 9/20/99 - OK TO COVER TO D-BOX (SRK) 9/22/99 - OK TO COVER ALL WORK (SRK)

DATE SYSTEM APPROVED 9/22/99

INSPECTOR Steven R. Krieg

# APPLICATION

PERCOLATION TESTING

A 56429

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 3-27-96

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER: J. Thomas Serio/owner Ryan Homes

ADDRESS: c/o Land Design & Development PHONE: 410 740 5176

AGENT OR PROSPECTIVE BUYER: Donald R. Reuwer Jr

ADDRESS: 10805 Hickory Ridge Rd PHONE: \_\_\_\_\_  
21044

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 58 ✓

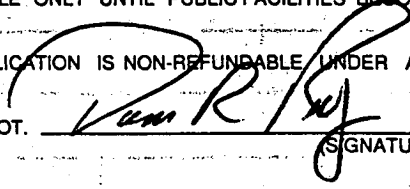
ROAD AND DESCRIPTION: 12005 Open Run Court

TAX MAP 29 PARCEL # 21

~~BLDG PERMIT SIGNED~~  
~~AND DESIGNED 7-2-92~~  
Senal # BPO 117164

SIZE OF LOT: 1 + Acres TYPE BLDG. SFD-4 Brms  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.



(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

56429

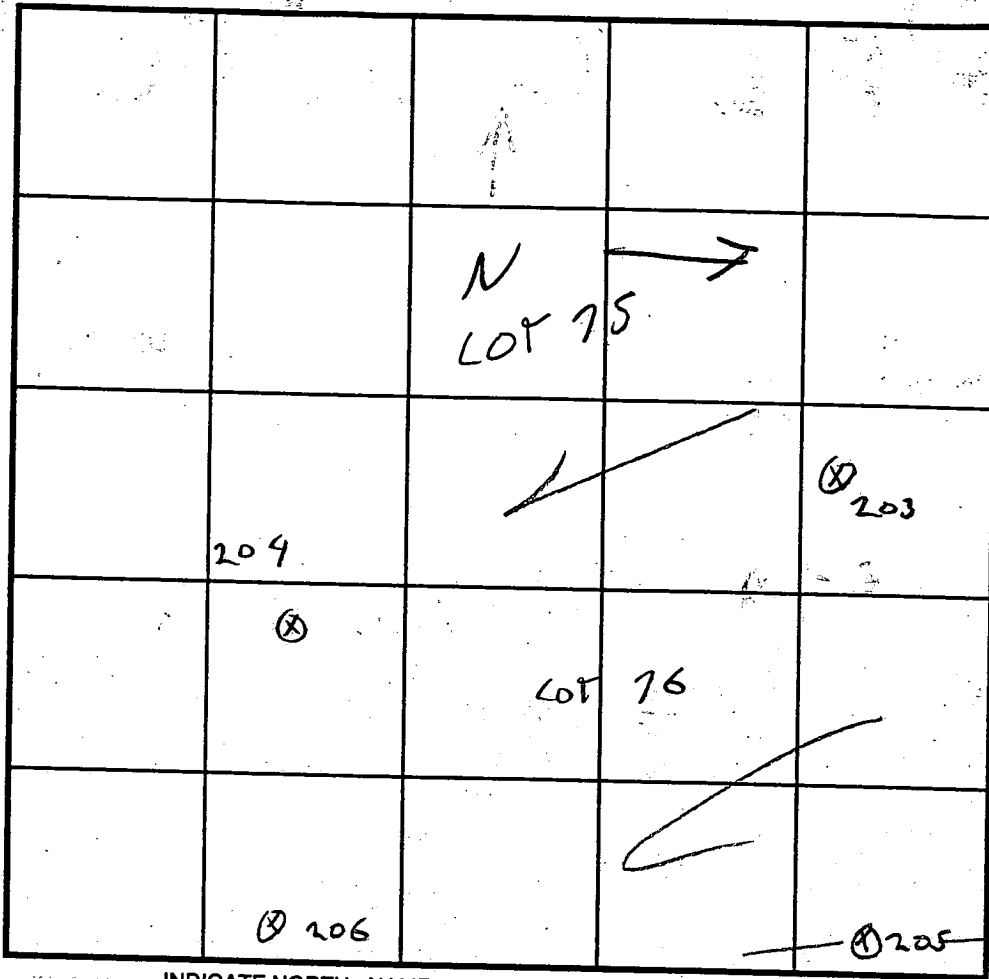
COUNTY #

SOIL PROFILE

0' [Empty vertical box for soil profile]

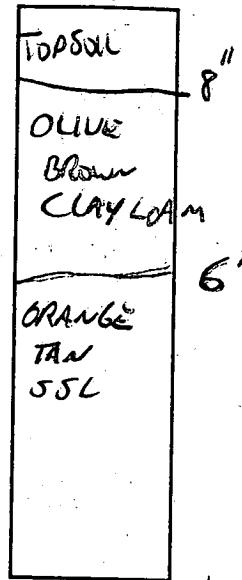
[Empty vertical box for soil profile]

[Empty vertical box for soil profile]



203, 204

SOIL PROFILE



SHARED PERC

LOT LINE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

LOT 78

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-27-96	204	15'	1:34	1:35	1:35	1:37	2 MW
	203	4'6"	1:41	1:42	1:42	1:44	2 MW
	206	4'	SEE LOT 78				2 MW
	205	4'6"	1:41	1:42			4 MW

REMARKS LOT 76, 78

TYPE OF SOIL \_\_\_\_\_

TESTED BY G. SAVAGE

ALSO PRESENT \_\_\_\_\_

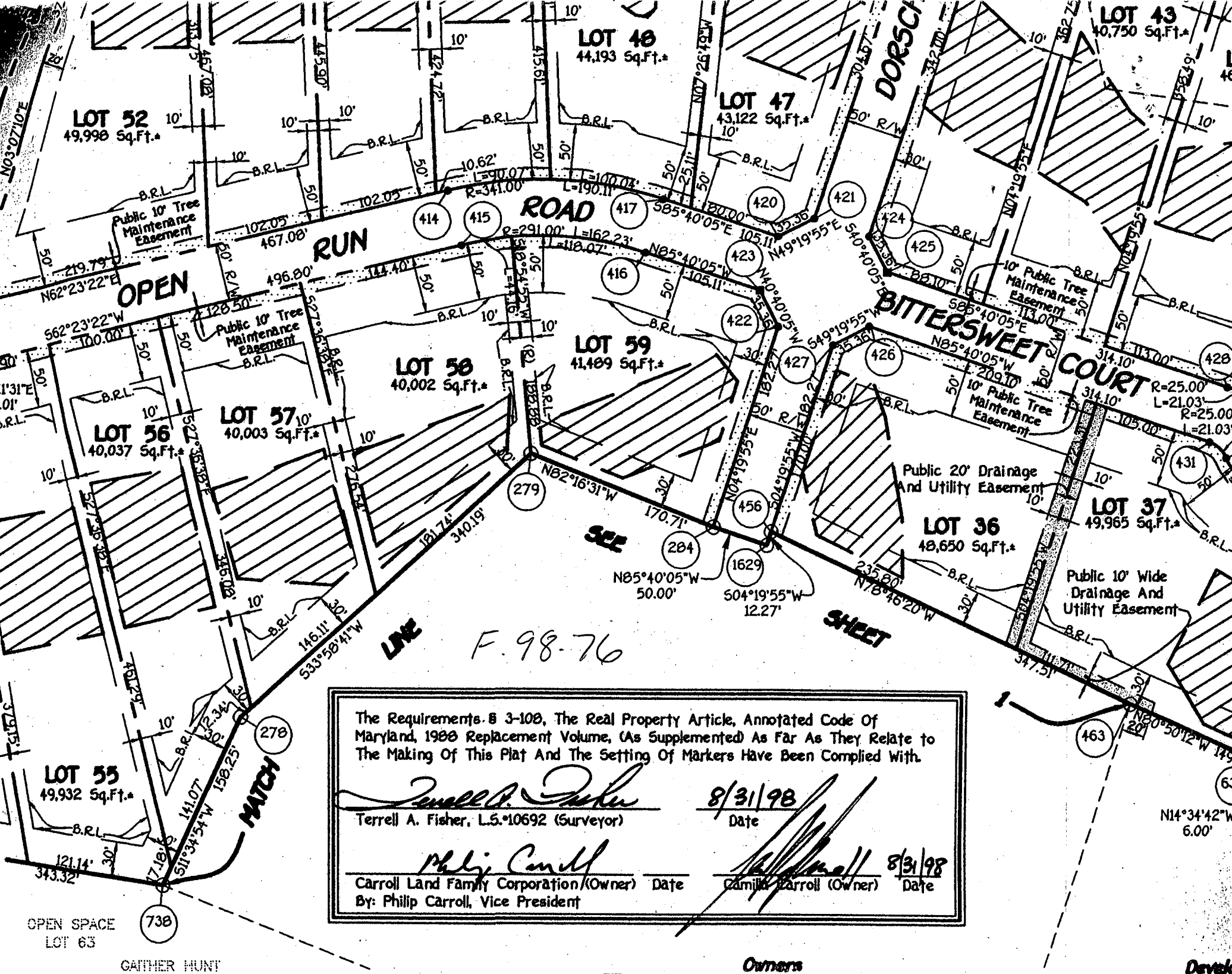
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_

TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_

MAXIMUM BOTTOM DEPTH \_\_\_\_\_

SQ. FT./BEDROOM \_\_\_\_\_



The Requirements, § 3-108, The Real Property Article, Annotated Code Of Maryland, 1988 Replacement Volume, (As Supplemented) As Far As They Relate to The Making Of This Plat And The Setting Of Markers Have Been Complied With.

*Terrell A. Fisher*  
 Terrell A. Fisher, L.S. 10692 (Surveyor)      8/31/98  
 Date

*Philip Carroll*  
 Carroll Land Family Corporation (Owner)      8/31/98  
 Date  
 By: Philip Carroll, Vice President      Camilla Carroll (Owner)      Date

OPEN SPACE  
 LOT 63  
 GATHER HUNT

Owners

David



00017164 - Lot 58

Approved Sewerage Easement  
Howard County Health Dept. Approves the depicted adjustment to the recorded sewerage easement

SFD-4 BR

Cornwell 1/2/99

LOT 58  
40,002 SF

Lot 58: By review of this submittal, the Health Dept. Approves the depicted adjustment to the recorded sewerage easement

1250 Gal. Septic Tank  
Inv. In = 485.0  
Inv. Out = 484.7  
Dist. Box  
Ex. Grd. = 487.6  
Inv. = 484.6

total linear feet of trench required 240

width of trench (TRENCH INLET 4')  
depth of trench

LOT 58  
41,480 SF  
SEPTIC EASEMENT

BASEMENT WILL NOT SEWER BY GRAVITY  
By review of this submittal, Health Dept. Approves the depicted adjustment to the recorded sewerage easmt.

FARM ROAD

10' Public Tree Maint

C1 9891

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A56429X

ST/CO USE ONLY DATE RECEIVED 04 27 99

DATE WELL COMPLETED 4-21-99

Depth of Well 450

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-2107

OWNER RUSSELL Dev. LLC STREET OR RFD Open Run Road TOWN Ellicott City SUBDIVISION Gather Hunt SECTION 7 LOT 58

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Hard Brown Sandstone, Hard Gray Granite, and depth markers 75 and 90.

GROUTING RECORD form with fields for material type (Cement CM, Bentonite Clay BC), number of bags (16), and gallons of water (96).

CASING RECORD form with fields for casing type (ST Steel), nominal diameter (06), and total depth (63).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for screen type (ST Steel, BR Brass, PL Plastic) and diameter of screen (56 to 60).

PUMPING TEST form with fields for hours pumped (7), pumping rate (1.8), and pump type (S submersible).

PUMP INSTALLED form with fields for pump type (S), capacity (31 to 35 gallons per minute), and pump horse power (37 to 41).

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y)

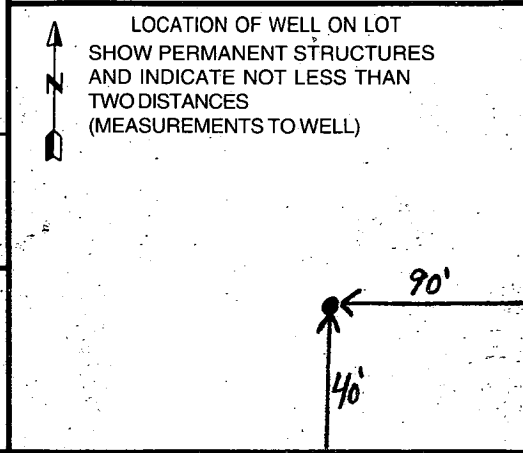
CIRCLE APPROPRIATE LETTER: A, E, P

DRILLERS LIC. NO. MD D 355, DRILLERS SIGNATURE, LIC. NO. JW D 341, Max S. Jones

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with columns for depth ranges and values (63, 450).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL, MDE USE ONLY, TELESCOPE CASING, LOG INDICATOR, OTHER DATA



Right Prop. Line

B 1 5141 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2107 fill in this form completely

Date Received (APA) 01 26 99 OWNER INFORMATION  
Russell Development LLC  
8808 Centre Park Dr. Suite 209  
Columbia MD 21045

B 3 LOCATION OF WELL  
Howard  
Gaither Hunt  
Sillcott City  
MILES FROM TOWN (enter 0 if in town) 4 M I

DRILLER INFORMATION  
MICHAEL Barlow MWD 355  
MICHAEL Barlow Well Drilling, Inc  
912 Fawn CT Joppa MD 21085  
1-22-99

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
Open Run RD  
NEAR WHAT ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
DISTANCE FROM ROAD 25  
ENTER FT OR MI

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) 5  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 GEO-THERMAL

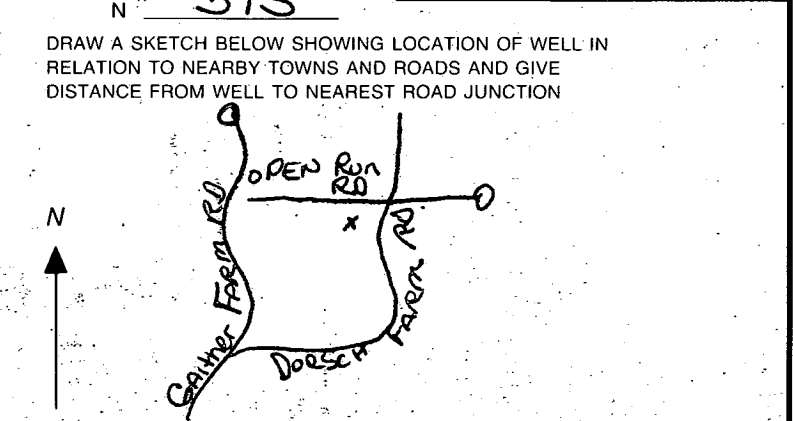
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard CO A56429X  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S  
DATE ISSUED 02 11 99 A M McWille 02 11 00  
CO SIGNATURE EXP. DATE  
NORTH GRID 515 0.00 EAST GRID 830 0.00

APPROXIMATE DEPTH OF WELL 200 FEET  
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E 830  
N 515

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROtary AIR-PErCussion ROTARY (Hydraulic Rotary)  
CABLE REVerse-ROtary DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED.  
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROX. PERMIT NUMBER G A P  
PERMIT No. HO-94-2107

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date 8/23/99

Name of Installer LEHSAC CORP

Telephone 410 242 6888

License Number 3344

Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner RYAN

Telephone 410-654-0501

Subdivision GAITHER HUNT Lot # 5B

Well Tag # HO-94-2107

Site Address 12005 OPEN RUN RD.

Pump

1. Type  
a. Deep well jet   
b. Shallow well jet   
c. Submersible

Motor

1. Horsepower 1  
2. RPM \_\_\_\_\_  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220

Pitless Adapter

1. Make WILKINS  
2. Model # \_\_\_\_\_  
3. Depth 42"

2. Make JACUZZI

3. Model # T154521B-S2

4. Capacity 5 GPM

5. Pump exceeds well capacity Yes  No

6. If Yes, is low pressure cutoff switch installed? Yes  No

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other \_\_\_\_\_

Tank

1. Capacity 86 GAL  
2. Pressure relief valve? YES

Piping

1. Type 160 lb  
2. Size 1"  
3. NSF and/or BOCA Code approved   
4. Depth of supply line 42"

Well data

1. Depth 450 ft.  
2. Yield 1.8 GPM  
3. Static water level 63 ft.  
4. Will water supply be disinfected by installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

9/22/99-WPI OK - SRM

Signature of Applicant: \_\_\_\_\_

Date: 8/23/99

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.