

3/6/00  
C.O. 3-3:30pm

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-327620

P 513280

A 56429-NN

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 410-313-2640

DISTRICT \_\_\_\_\_

DATE 2/23/00

DATE SYSTEM APPROVED 3/6/00

INSPECTOR DCS

INDEXED

Hatfield's

IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE 301-854-6172

SUBDIVISION Gaither Hunt LOT 49 ROAD 12008 Open Run Road

PROPERTY OWNER Ryan Homes

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe. (424.72')

LOCATION - Place the distribution box 200 feet down the left lot line and 10 feet off this same lot line as seen from Open Run Road. Run trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK SRK 12/1/99

PLANS APPROVED BY Donna K. Soe DATE 11-04-1999

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

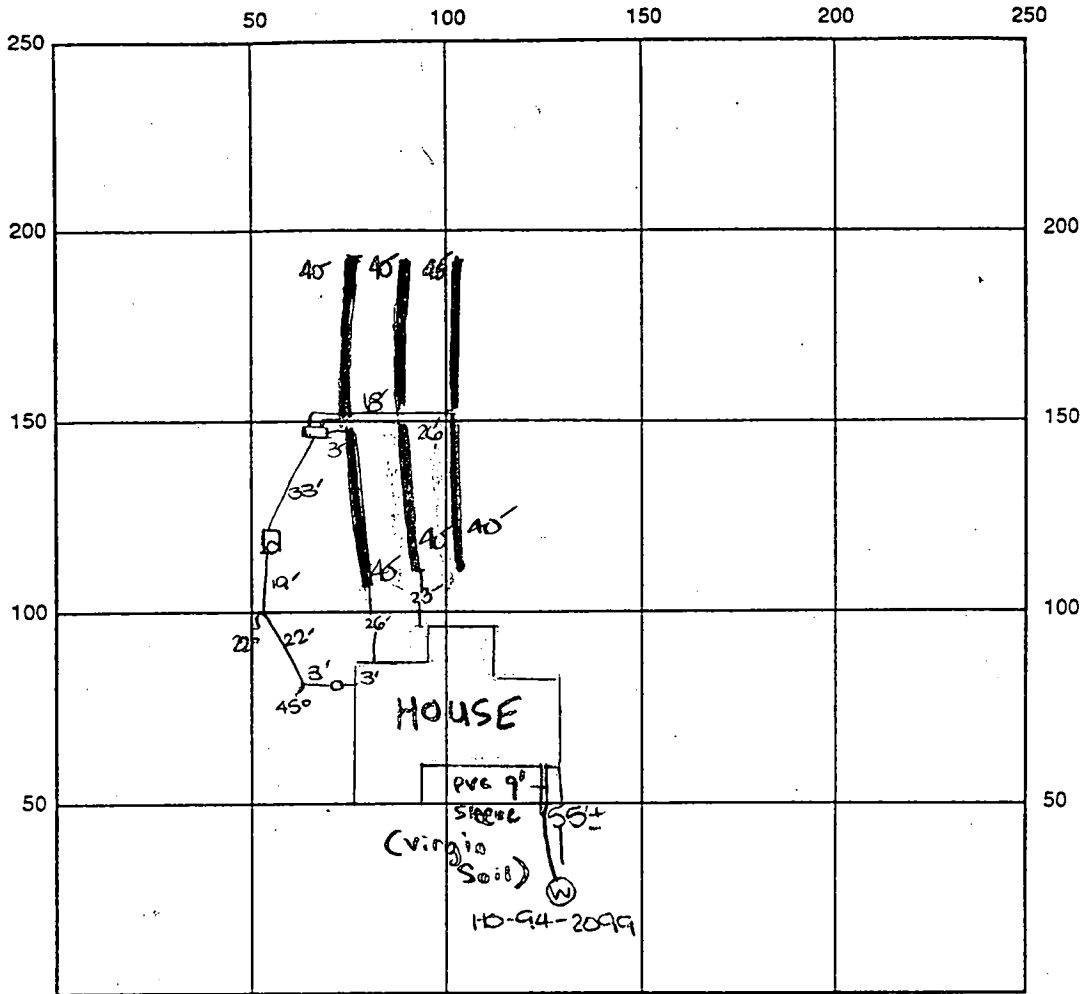
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Open Run Road

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one at house, one on sit.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3180 FT.  $\rightarrow 240$

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

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 3/6/00 FINAL INSIP - OK TO COVER ALL WORK. DKS

DATE SYSTEM APPROVED 3/6/00 INSPECTOR [Signature]

Approved Septic System Plan  
Howard County Health Department

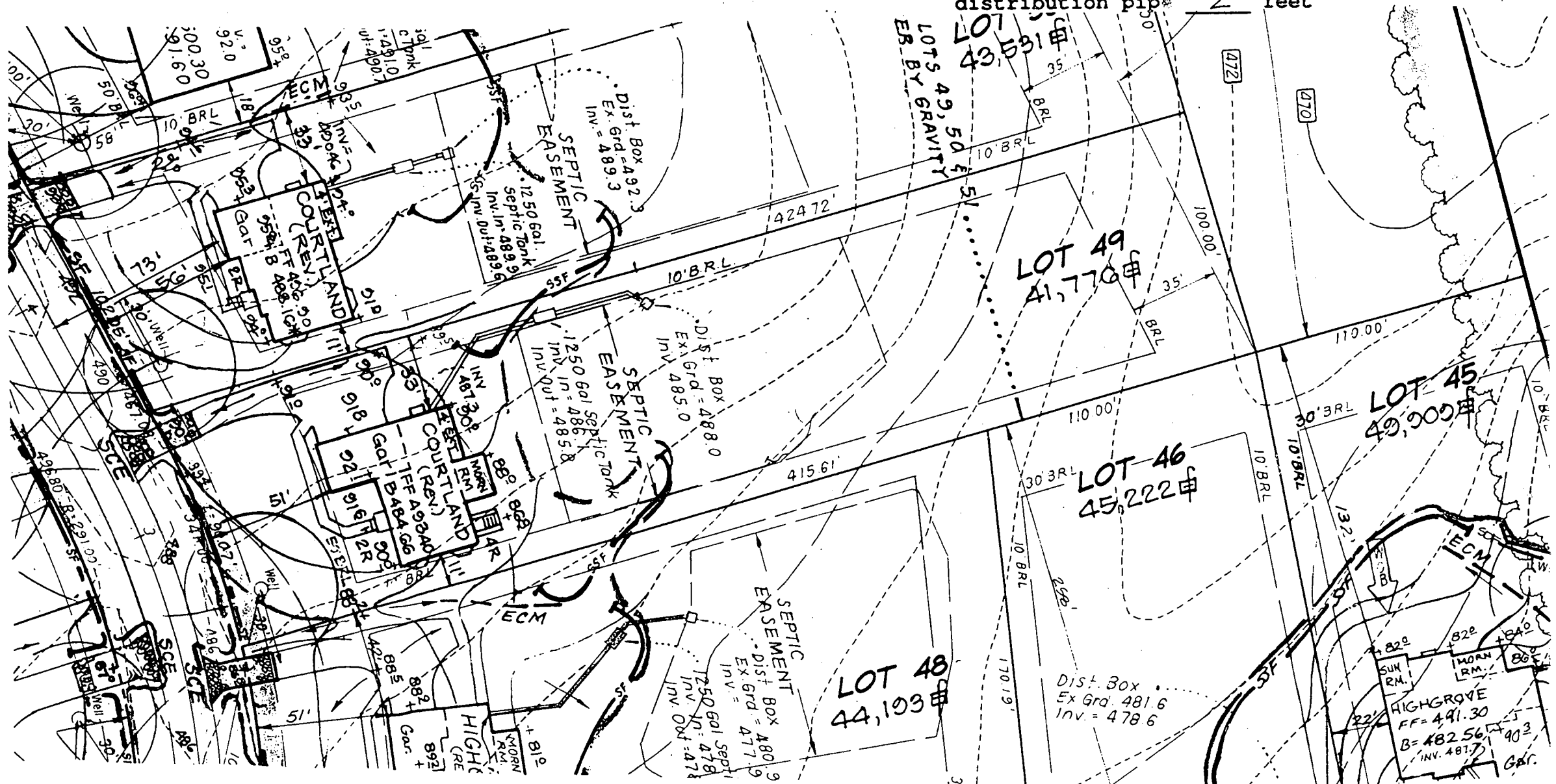
Total linear feet of trench  
required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 feet

[Signature]      11/4/99  
Signature                      Date

Depth of stone required below  
distribution pipe 2 feet



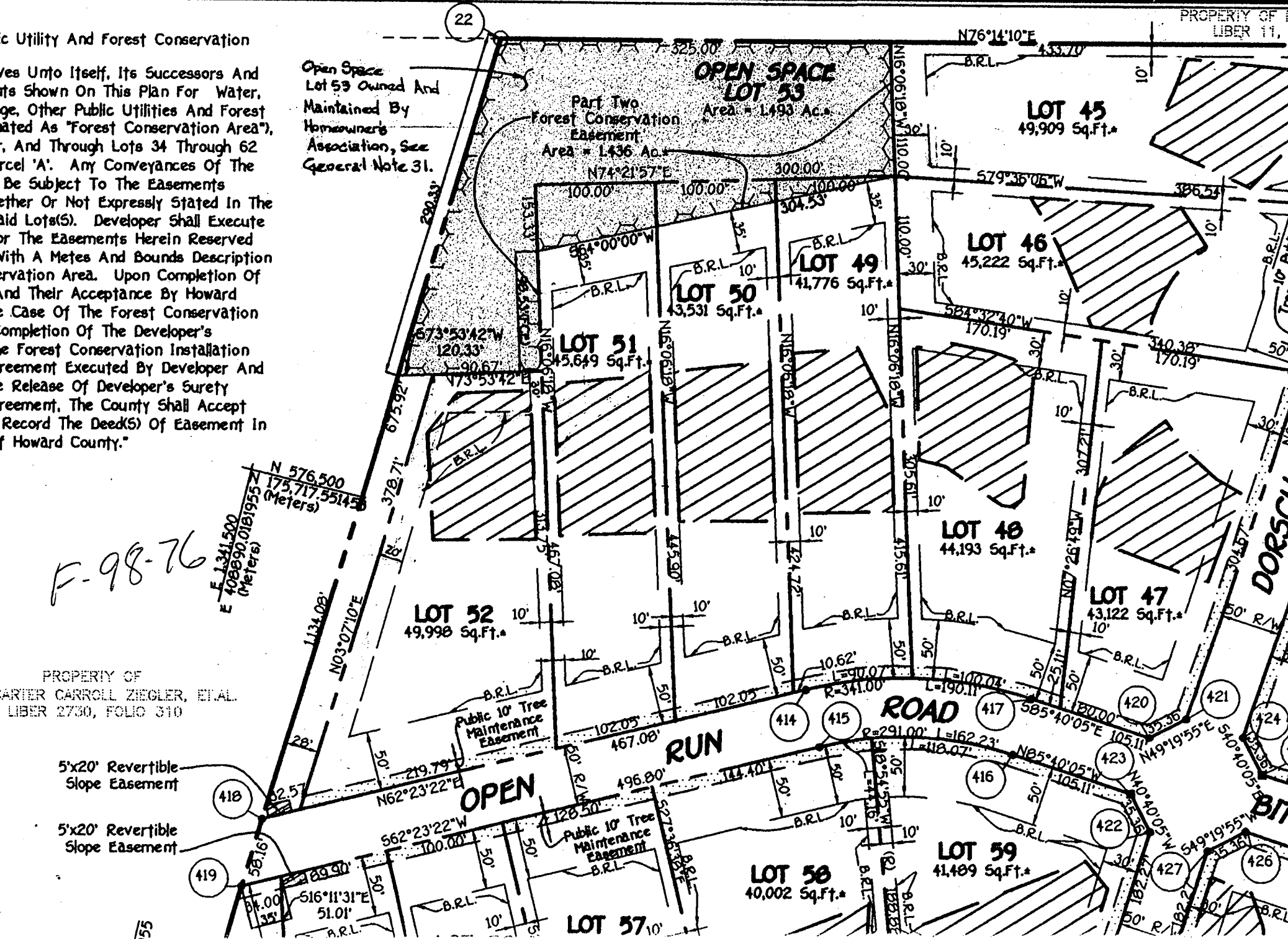
Public Utility And Forest Conservation  
 serves Unto Itself, Its Successors And  
 heirs Shown On This Plan For Water,  
 Sewerage, Other Public Utilities And Forest  
 Conservation (granted As "Forest Conservation Area"),  
 and Through Lots 34 Through 62  
 Parcel 'A'. Any Conveyances Of The  
 same shall be Subject To The Easements  
 whether Or Not Expressly Stated In The  
 said Lots(S). Developer Shall Execute  
 For The Easements Herein Reserved  
 with A Metes And Bounds Description  
 of the Forest Conservation Area. Upon Completion Of  
 the same And Their Acceptance By Howard  
 County, The Case Of The Forest Conservation  
 Completion Of The Developer's  
 Agreement Executed By Developer And  
 The Release Of Developer's Surety  
 Agreement, The County Shall Accept  
 and Record The Deed(S) Of Easement In  
 Of Howard County."

Open Space  
 Lot 53 Owned And  
 Maintained By  
 Homeowners  
 Association, See  
 General Note 31.

PROPERTY OF  
 LIBER 11,

F-98-76  
 N 576.500  
 E 1088.90, 0181955  
 (Meters)  
 N 03°07'10"E  
 1134.08'  
 378.71'  
 675.92'  
 175,717.551458  
 (Meters)  
 E 1,341.500  
 (Meters)  
 PROPERTY OF  
 CARTER CARROLL ZIEGLER, ETAL.  
 LIBER 2730, FOLIO 310

5'x20' Reversible  
 Slope Easement  
 5'x20' Reversible  
 Slope Easement





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 3/24/00  
 Name of Installer LEHSAC CORP. Telephone 410-242-6288  
 License Number 3344 Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber   
 Name of Property Owner RYAN Telephone 410-554-0501  
 Subdivision Gaithersburg Lot # 49 Well Tag # HO-99-7099  
 Site Address 12008 Open Run Rd

**Pump**  
 1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet \_\_\_\_\_  
 c. Submersible   
 2. Make JACUZZI  
 3. Model # T2540118-S2  
 4. Capacity 10 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 \_\_\_\_\_

**Motor**  
 1. Horsepower 3/4  
 2. RPM \_\_\_\_\_  
 3. Voltage \_\_\_\_\_  
 a. 110 \_\_\_\_\_  
 b. 220

**Pitless Adapter**  
 1. Make WILLIAMS  
 2. Model # \_\_\_\_\_  
 3. Depth 72"

**Tank**  
 1. Capacity 86 gal  
 2. Pressure relief valve? YES

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

**Well data**  
 1. Depth 150 ft.  
 2. Yield 12 GPM  
 3. Static water level 27 ft.  
 4. Will water supply be disinfected by installer?

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.

3/9/00 - WPI OK (SRW)  
 Signature of Applicant: Edward C. [Signature]  
 Date: 3/24/00

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

C1 9883

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A56429 N

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 03 26 99

Depth of Well 150

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-2099

OWNER Russell Development Group, STREET OR RFD Open Run Road, TOWN ELICOTT CITY, SUBDIVISION GATHER HUNT, SECTION 1, LOT 49

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT, BENTONITE CLAY (BC), NO. OF BAGS 7, NO. OF POUNDS 658, GALLONS OF WATER 42, DEPTH OF GROUT SEAL 27

C 3

PUMPING TEST

HOURS PUMPED 3, PUMPING RATE 12, METHOD USED TO MEASURE PUMPING RATE Watch & Bucket, WATER LEVEL 26

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Brown soil (0-22), HARD GRAY GRANITE (22-150), 36, 45, 95

CASING RECORD

ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER), MAIN CASING TYPE ST, Nominal diameter 06, Total depth 27

TYPE OF PUMP USED (for test)

A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

OTHER CASING (if used)

Table for other casing with columns for diameter and depth

PUMP INSTALLED

DRILLER INSTALLED PUMP YES (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE 31-35, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH 43-47, CASING HEIGHT (+ above, - below) 3

SCREEN RECORD

ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

DEPTH (nearest ft.)

Table with columns: T, E, A, C, H, S, R, E, N and rows for depth measurements (e.g., 27, 150)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

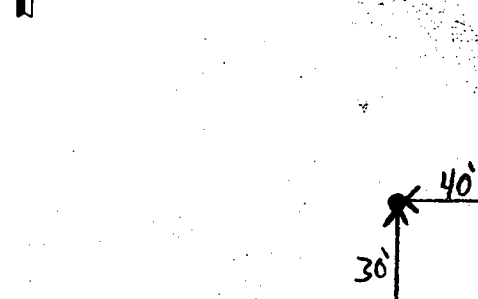
DRILLERS LIC. NO. M 2351, DRILLERS SIGNATURE Max A Jones

LIC. NO. Jwb 341, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W O, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



Right Prop. Line

B 1	<b>5145</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HO-94-2099</b> <small>70 fill in this form completely 79</small>
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**OWNER INFORMATION**

Date Received (APA) **01-26-99**  
8 MM DD YY 13

**Russell Development LLC**  
15 Last Name Owner First Name 34

**8808 Centre Park Dr. Suite 209**  
36 Street or RFD 55

**Columbia MD 21045**  
57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

**Howard**  
8 COUNTY 21

**Gaither Hunt**  
23 SUBDIVISION 42

SECTION **1** LOT **49**  
44 46 48 50

**Ellicott City**  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **4** M I I  
73 76 77 78

**DRILLER INFORMATION**

**MICHAEL BARLOW MW D 355**  
Driller's Name 76 License No. 81

**MICHAEL BARLOW Well Drilling Inc.**  
Firm Name

**912 FAUN CT. Joppa MD 21085**  
Address

*[Signature]* **1-22-99**  
Signature Date

**OPEN Run RD**  
NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)

NORTH  
WEST EAST  
SOUTH

34 **25** 37  
DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

**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** **A56429N**  
COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED **021199** **A McMillon** **021100**  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **51500** EAST GRID **830000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET  
24 28

APPROXIMATE DIAMETER OF WELL **6** INCH  
NEAREST INCH

**METHOD OF DRILLING (circle one)**

BORED (or Augered)  JETTED  Jetted & DRIVEN

30 AIR-ROTARY  AIR-PERCUSSION  ROTARY (Hydraulic Rotary)

37 CABLE  REVERSE-ROTARY  DRIVE-POINT

other \_\_\_\_\_

**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

39  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) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROX. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_ 54 63

PERMIT No. **HO-94-2099**  
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

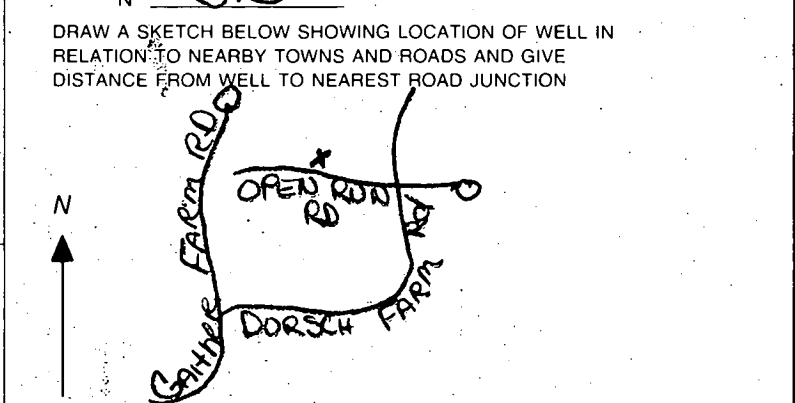
SOURCES OF DRILLING WATER

- 1.
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E **830** 000 000

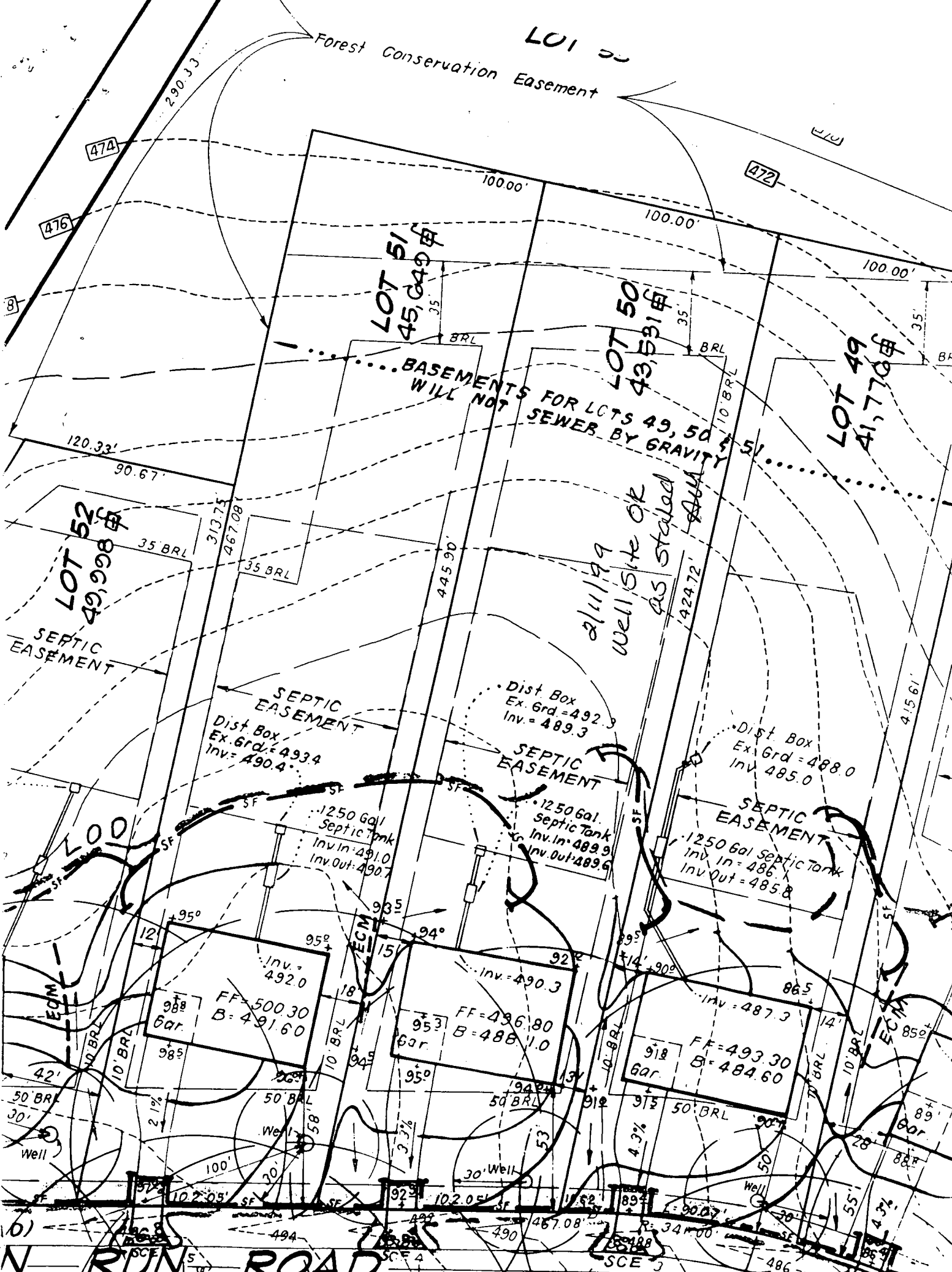
N **515** ← 000 000



**SPECIAL CONDITIONS**  
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Forest Conservation Easement

LOI 00



LOT 51  
45,649 sq ft

LOT 50  
43,531 sq ft

LOT 49  
41,776 sq ft

LOT 52  
49,998 sq ft

SEPTIC EASEMENT

SEPTIC EASEMENT

SEPTIC EASEMENT

SEPTIC EASEMENT

Dist. Box  
Ex. Grd. = 493.4  
Inv. = 490.4

Dist. Box  
Ex. Grd. = 492.3  
Inv. = 489.3

Dist. Box  
Ex. Grd. = 488.0  
Inv. = 485.0

1250 Gal. Septic Tank  
Inv. In = 491.0  
Inv. Out = 490.7

1250 Gal. Septic Tank  
Inv. In = 489.9  
Inv. Out = 489.6

1250 Gal. Septic Tank  
Inv. In = 486.1  
Inv. Out = 485.8

Inv. = 492.0  
FF = 500.30  
B = 491.60

Inv. = 490.3  
FF = 496.80  
B = 488.10

Inv. = 487.3  
FF = 493.30  
B = 484.60

N RUN ROAD

# 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 \_\_\_\_\_

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 Scriverney 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. 1A 49

ROAD AND DESCRIPTION 12009 Open Run Road

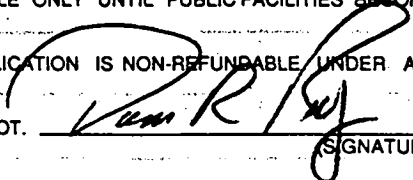
TAX MAP 29 PARCEL # 21

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

~~ENCL. PERMIT SIGNATURE~~

AND RETURNED 11-4-99  
Serial # B01 20931

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 #

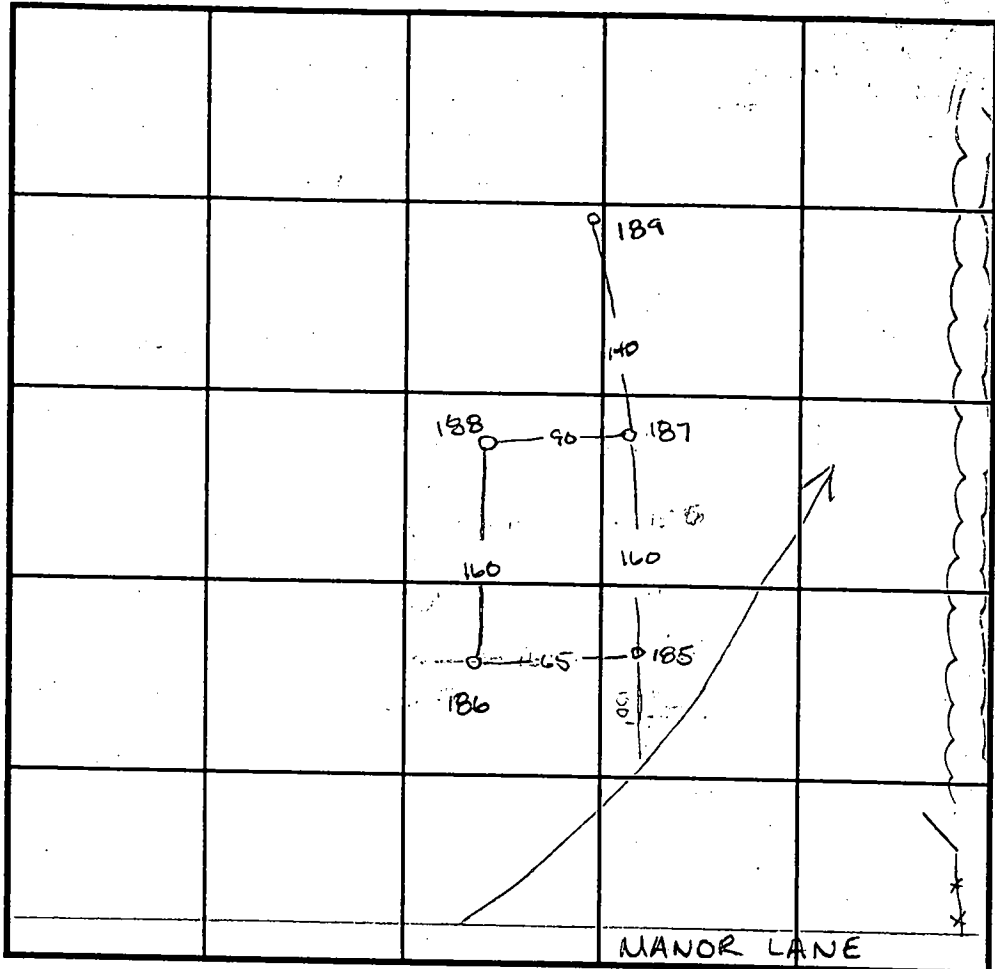
85 - 89

SOIL PROFILE

0' 185  
dark orange SiCLM  
4.0 orange red SiSalm  
sub angular block structure  
4.5 lgt orange yellow SiSalm  
16.0

SOIL PROFILE

0' 189  
bright orange red SiCLM  
2.5 lgt orange tan Salm  
12.5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

186  
dark red SiCLM  
2.5 orange red SiSalm  
Strong Structure  
16.0 very light almost pink Salm some (5%) decayed glass

188  
dark red SiCLM  
3.5 red brn SiSalm <100% bed spar frags  
2.0

187  
red brn SiCLM  
3.0 lgt orange brn SiSalm  
20% saprolik  
flag mix  
10.0 refusal

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-26-96	185	4.0 VII.0	3:16	3:20	3:24	3:24	4min
	186	3.0 VII.0	3:17	3:23	3:23	3:28	5min
	187	3.5 VII.0	3:20	3:33	3:33	3:40	7min
	189	4.0 VII	3:39	3:50	3:50	4:04	14min
	188	4.0 VII.20	3:40	3:45	3:45	3:53	8min

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy McMillen ALSO PRESENT Don Rewwer  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_