

7/3/00  
2:00

03-327701

# PERMIT

INDEXED

SEWAGE DISPOSAL SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 513650  
A 56430E

ISSUE DATE 6/22/00

APPROVAL DATE 7/3/00

Hatfield's Equipment IS PERMITTED TO INSTALL  INSTALL  ALTER

ADDRESS 13785 Burntwoods Road Glenelg, MD 21737 PHONE (301) 854-6172

SUBDIVISION Gaither Hunt LOT NUMBER 56 ADDRESS 12015 ~~12012~~ Open Run Road

PROPERTY OWNER Ryan Homes PROPERTY OWNER'S ADDRESS 11460 Cronridge Drive

SEPTIC TANK CAPACITY 1250 GALLONS Owings Mills, MD 21117

PUMP CHAMBER CAPACITY \_\_\_\_\_ GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 130 feet down the right lot line and 10 feet off this same lot line. Run trenches on contour to left side of lot. 5/15/00 OR ALL

## BUILDING PERMIT SIGNED

### AND RETURNED

10-75-03 800144582-DECK

PLANS APPROVED Mark E. Rifkin DATE 5-12-2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

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

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

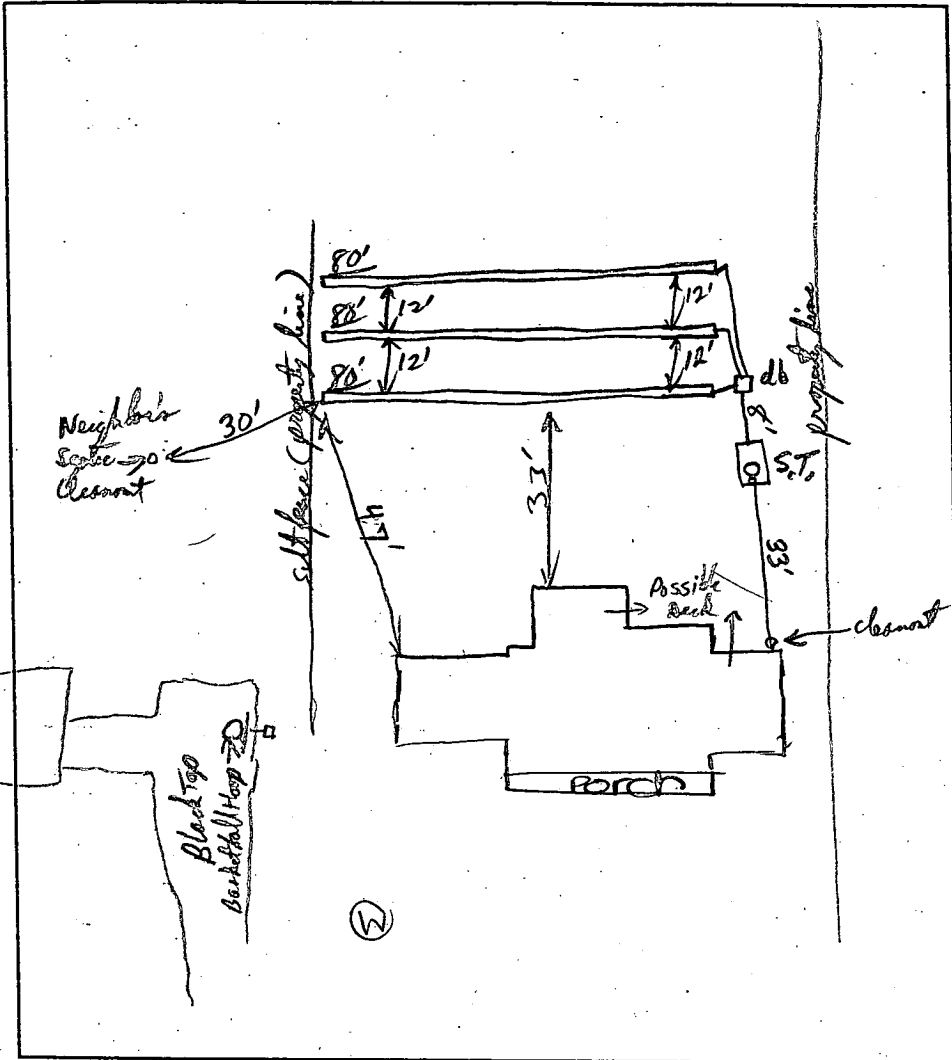
NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

BLDG PERMIT SIGNED  
AND RETURNED 4/4/01  
Deck Box 2149

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

56430E

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 4'  
 TRENCH BOTTOM DEPTH 6'  
 DEPTH OF STONE 2'  
 NUMBER OF TRENCHES 3  
 TOTAL TRENCH LENGTH 240' (80' ea)  
 ABSORBENT AREA 720 sq ft  
 DISTRIBUTION BOX LEVEL OK  
 BAFFLE IN DISTRIBUTION BOX

**SEPTIC TANK DATA**

SEPTIC TANK 2000 <sup>Med Seamed used</sup> GALLONS  
 MANHOLE RISER  (1 1/2 ft tall)  
 6 INCH INSPECTION PORT

**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS NA  
 MANHOLE RISER \_\_\_\_\_  
 ALARM \_\_\_\_\_  
 PUMP PERFORMANCE TEST \_\_\_\_\_

PRE-CONSTRUCTION INSPECTION: S.T. size 5'2" wide, 10'7" long, depth 6'3" (5'3" @ inlet) & 2000 gal S.T.

INSPECTION COMMENTS: House Connection OK, Trenches Mostly covered except @ ends - unable to verify gravel depth + piping in trench & Septic Tank db etc OK to cover all work PJP 7/3/00

INSPECTOR R.P. Pably

DATE SYSTEM APPROVED 7/3/00

# APPLICATION

PERCOLATION TESTING

A 56429

P \_\_\_\_\_

DISTRICT \_\_\_\_\_

DATE 3-27-96

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

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 Scrivener

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

AGENT OR PROSPECTIVE BUYER Donald R. Reuver Jr

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

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 26 56 ✓

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP 29 PARCEL # 21

SIZE OF LOT 1+ Acres TYPE BLDG. \_\_\_\_\_  
(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]  
(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 #

LOT 23

SOIL PROFILE  
199+200

TOPSOIL

6"-1'

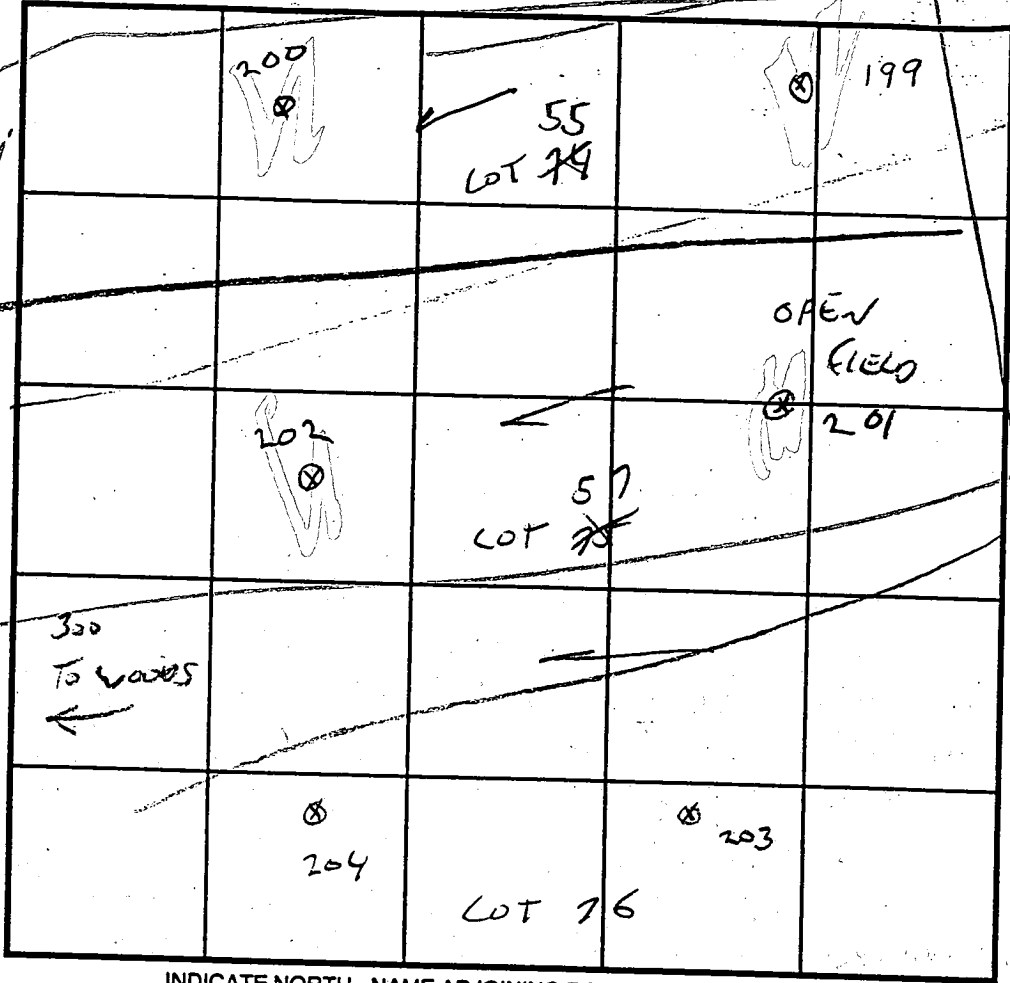
SOIL PROFILE  
202

TOPSOIL

DARK RED SANDY CLAY LOAM  
2  
BROWN CL

DULL ORANGE/TAN SCL

11'6"



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-27-86	202	4'6"	1:49	1:53	1:53	2:06	13 MIN
	201	4'6"	1:55	1:56	1:56	1:59	3 MIN
	ROCK AT 11' 200	4'6"	2:08	2:08	2:08	2:12	4 MIN
	199	5'	2:16	2:19	2:19	2:24	5 MIN

REMARKS LOT 75 74 LOT 56 NOT SHOWN

TYPE OF SOIL FOR LOT 56 USE 199-200 W/ 1604 IN CENTER

TESTED BY G. SAVAGE

ALSO PRESENT

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

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

COUNTY #

SOIL PROFILE 1603

0' Red  
orange  
SiClM

4.0 orange  
yellow  
SiSalM

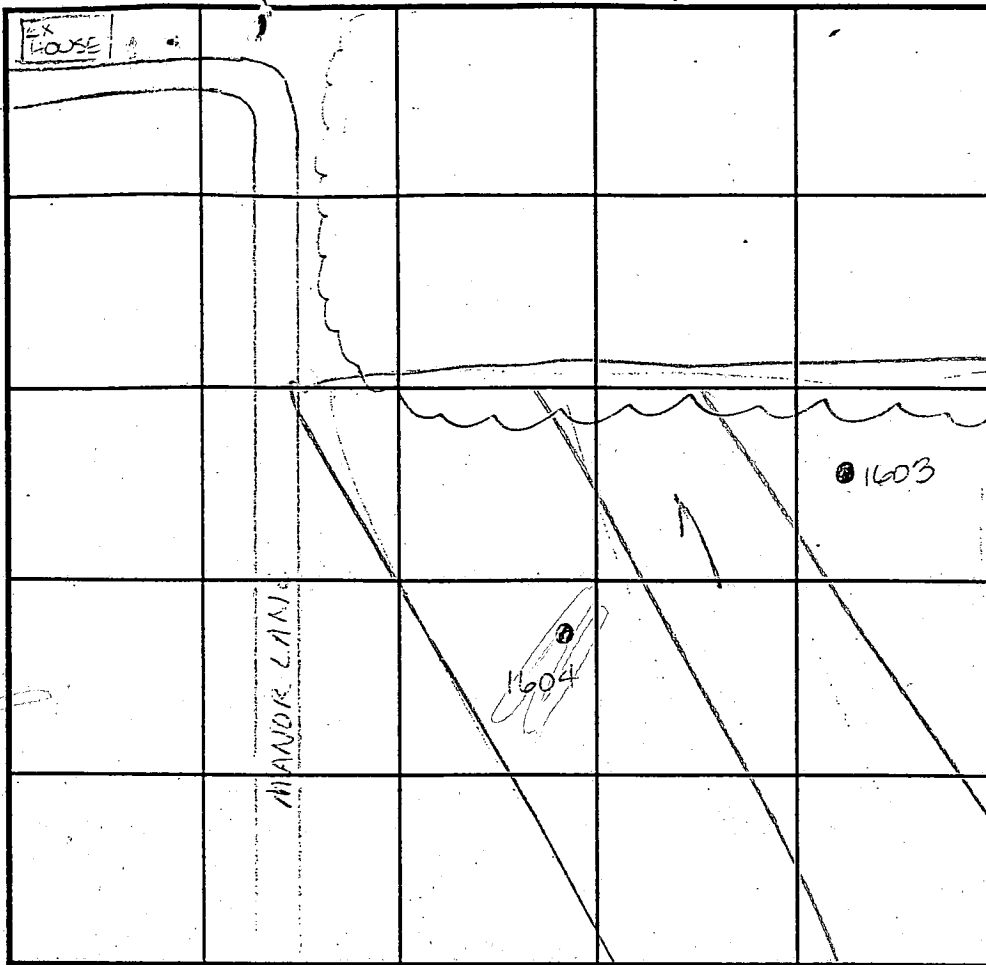
9.0 mottled  
white  
and  
orange  
SiM  
may not  
be H<sub>2</sub>O  
related

1604

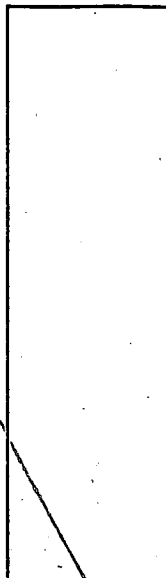
10.0 white  
SiClM

14.0 orange  
yellow  
SiM  
strong  
structure

25%  
roll



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

LOT 547

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-26-97	1603	4.5 12.0	10:24	10:27	10:27	10:33	6min
LOT 56	<del>1604</del>	Visual	to 110	see profile			OK

REMARKS Hole left open 4 hours LOT 547

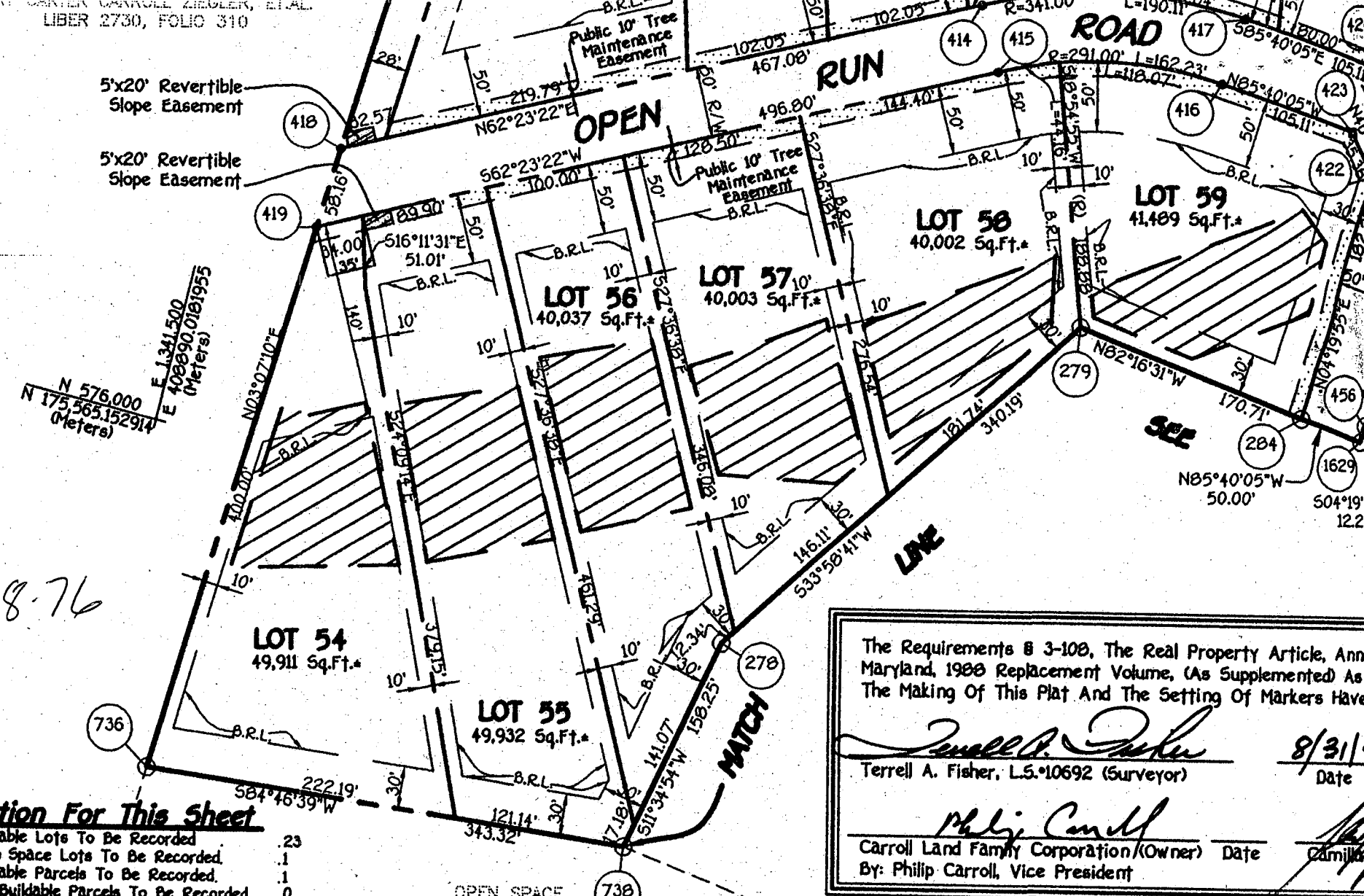
TYPE OF SOIL

TESTED BY Amy McMullen ALSO PRESENT Jared Spahn

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM





N 576,000  
E 1,341,500  
E 408,890,0181995  
(Meters)

N 175,565,152914  
(Meters)

F. 98-76

**Area Tabulation For This Sheet**

Total Number Of Buildable Lots To Be Recorded	.23
Total Number Of Open Space Lots To Be Recorded	.1
Total Number Of Buildable Parcels To Be Recorded	.1
Total Number Of Non-Buildable Parcels To Be Recorded	.0
Total Number Of Lots And Parcels To Be Recorded	.25
Total Area Of Buildable Lots To Be Recorded	.23,790 Ac.*
Total Area Of Open Space Lots To Be Recorded	.1,493 Ac.*
Total Area Of Non-Buildable Parcels To Be Recorded	.0,000 Ac.*
Total Area Of Buildable Parcels To Be Recorded	.6,970 Ac.*
Total Area Of Lots And Parcels To Be Recorded	.32,253 Ac.*
Total Area Of Roadway To Be Recorded	.2,521 Ac.*
Total Area To Be Recorded	.34,774 Ac.*

OPEN SPACE  
LOT 63

GATHER HUNT  
SECTION 1, AREA 1  
PLAT No. 13211

The Requirements § 3-108, The Real Property Article, Annotated Code of Maryland, 1988 Replacement Volume, (As Supplemented) As Well As The Making Of This Plat And The Setting Of Markers Have

*Terrell A. Fisher*  
Terrell A. Fisher, L.S. 10692 (Surveyor) Date 8/31/19

*Philip Carroll*  
Carroll Land Family Corporation (Owner) Date  
By: Philip Carroll, Vice President

Camilla Carroll  
4400 Manor Lane  
Ellicott City, Maryland 21042

**OWNER'S CERTIFICATE**

Carroll Land Family Corporation, By Philip Carroll, Vice-President, And Camilla Carroll, Owners Of The Property Described Hereon, Hereby Adopt This Plan Of Subdivision, And In Consideration Of The Approval Of This Final Plat By The Department Of Planning And Zoning, Establish The Minimum Building Restriction Lines And Grant Unto Howland Carroll, Maryland, Its Successors And Assigns: (1) The Right To Lay, Construct, And Maintain

Approved: For Private Water And Private Sewerage Systems,  
Forward County Health Department.

7/6/00  
1pm

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

~~410-9933~~  
317-2870

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement   
Name of Installer LEHSAC CORP. Receipt # 8/4/2000  
Date 8/4/2000  
Telephone 410-242-1800  
License Number 3344 Well Driller \_\_\_\_\_ Registered Plumber   
Certified Well Pump Installer \_\_\_\_\_  
Name of Property Owner RYAN Telephone 410-654-0501  
Subdivision GAITHER HUN Lot # 56 Well Tag # HO-99-2105  
Site Address 12013 Open Run Road

Pump  
1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_  
c. Submersible   
2. Make JACUZZI  
3. Model # TZSHR1RS2  
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 WILKINS  
2. Model # \_\_\_\_\_  
3. Depth 42"

Tank  
1. Capacity 8 GAL  
2. Pressure relief valve YES  
Piping  
1. Type 16016  
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 35 ft.  
4. Will water supply be disinfected by installer? YES

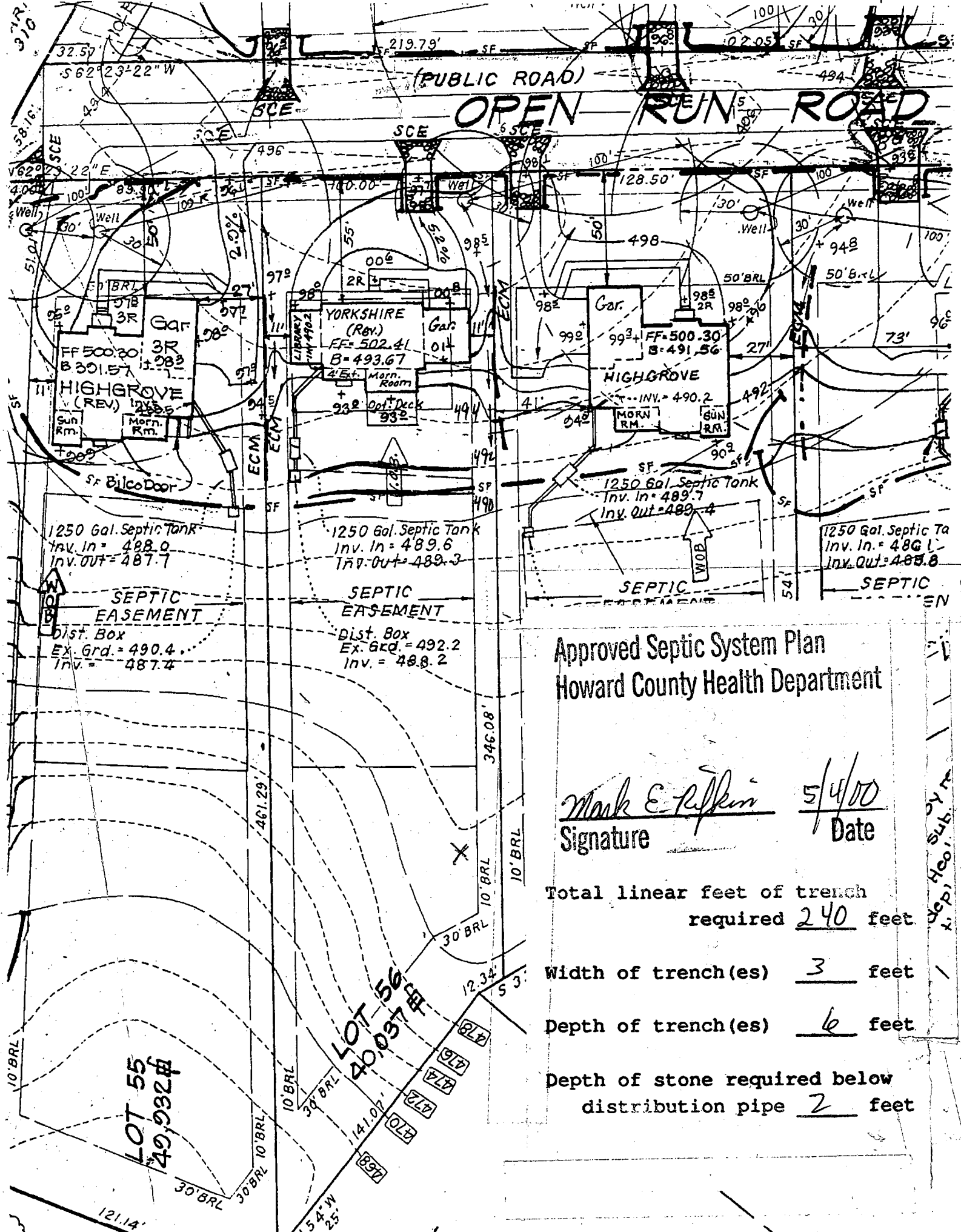
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

7/6/00  
Signature of Applicant: [Signature]  
Date: 8/4/2000  
WPI OK - (DKS) SRK

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

KD-215



Approved Septic System Plan  
Howard County Health Department

Mark E. Pflieger      5/4/00  
Signature                      Date

Total linear feet of trench  
required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 6 feet

Depth of stone required below  
distribution pipe 2 feet

Dep. Health

C1 9889

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. COUNTY NUMBER A56429U

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 03 02 99

Depth of Well 150 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2105

OWNER Russell Dev. LLC STREET OR RFD Open Run Rd TOWN ELICOTT CITY SUBDIVISION Gaither Hunt SECTION I LOT 56

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Brown soil, Hard Green Granite, and casing types ST, CO, PL, OT.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS 14, NO. OF POUNDS 1316, GALLONS OF WATER 84, DEPTH OF GROUT SEAL 55 ft.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter top (main) casing (nearest inch) 06, Total depth of main casing (nearest foot) 55.

OTHER CASING (if used) table with columns for diameter and depth.

SCREEN RECORD: screen type or open hole (HO), insert appropriate code below (ST, BR, HO, PL, OT).

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 12 gal. per min., METHOD USED TO MEASURE PUMPING RATE Watch + Bucket, WATER LEVEL 43 ft. BEFORE PUMPING, 54 ft. WHEN PUMPING.

PUMP INSTALLED: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED PLACE (S), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"...

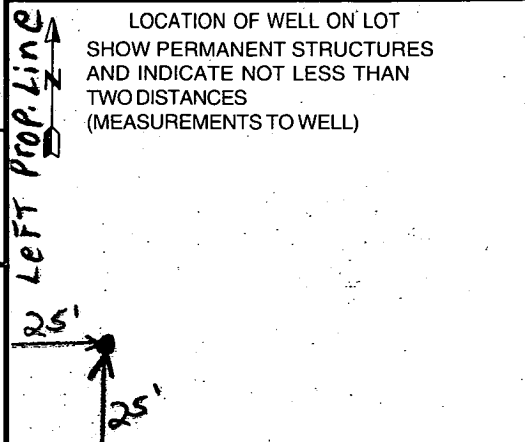
DRILLERS LIC. NO. M4 D 355, DRILLERS SIGNATURE (Max S. Jones), LIC. NO. JW 341

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

DEPTH (nearest ft.) table with columns for depth intervals and casing types.

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 Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA



B 1 5135 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2105 fill in this form completely

Date Received (APA) 012699 OWNER INFORMATION Russell Development LLC 8808 Centre Park Dr. Suite 209 Columbia MD 21045

LOCATION OF WELL Howard Gaither Hunt SECTION 1 LOT 56 Ellicott City MILES FROM TOWN 4

DRILLER INFORMATION Michael Ballow MWD 355 Michael Ballow Well Drilling 912 Fawn Ct. Joppa, Md 21085

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) S ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) S NEAR WHAT ROAD Open Run Rd DISTANCE FROM ROAD 25 FT

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

USE FOR WATER: (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard Co A56429U COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 021199 A McMulle 021100

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

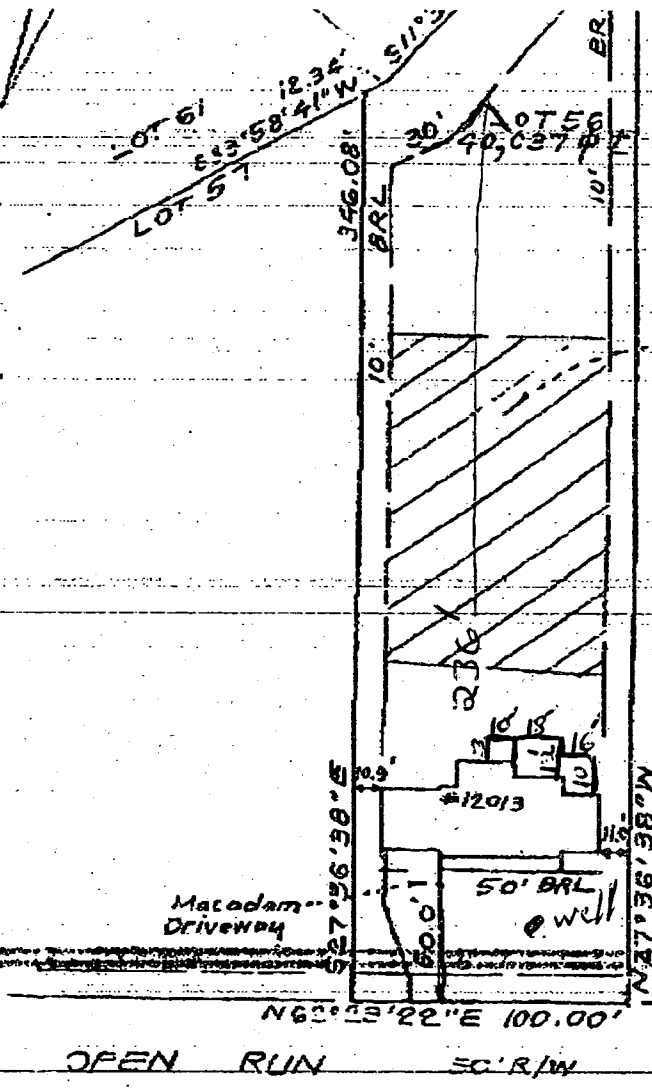
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 830 N 515

METHOD OF DRILLING (circle one) BORED (or Augered) AIR-ROTary AIR-PERCussion JETTED ROTARY (Hydraulic Rotary) DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION. Sketch showing Open Run Rd, Dorsh Farm Rd, and well location.

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER 54 G A P 63 PERMIT No. HO-94-2105



Irregular Shape - 3 Sections

3/12/01

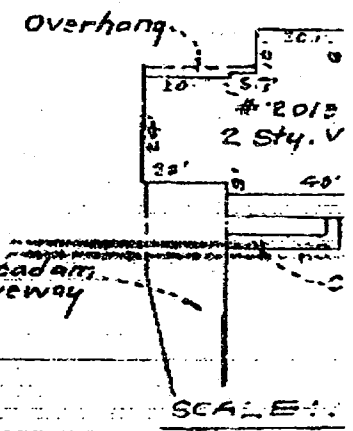
3x10'  
18x12'  
16x10'

GLEN + AMANDA  
TSCHIRGI

12015 OPEN RUN RD.  
EMICOTT CITY 21042

PLAT PER REQUEST.

TOTAL P.01



4/4/01  
Shown deck  
will be 30'  
off existing  
fences  
AK

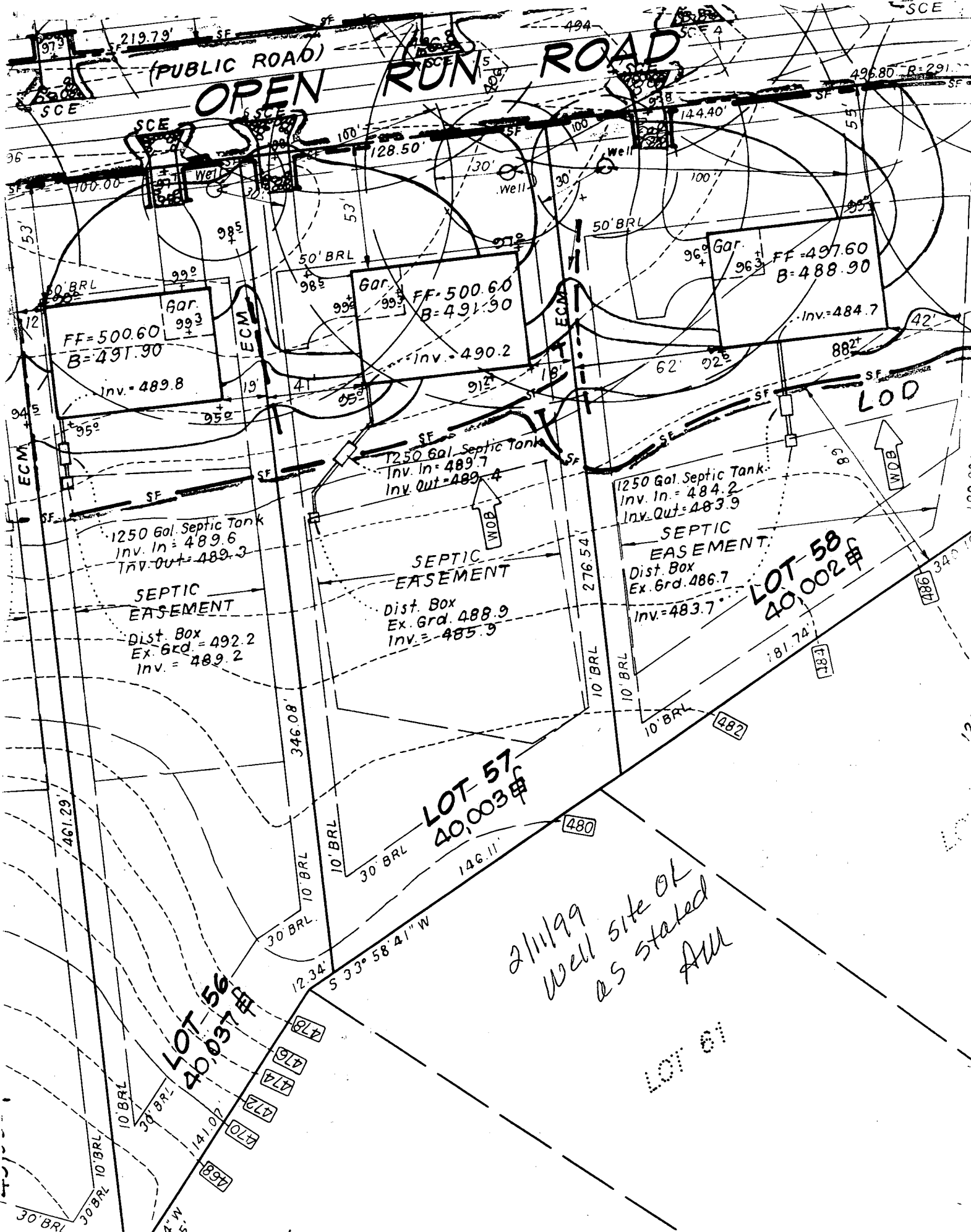
NOTES:

Plot Reference: PLAT No. 1348

CLARK • FINEFR

(PUBLIC ROAD)

# OPEN RUN ROAD



Gar.  
FF=500.60  
B=491.90  
Inv.=489.8

Gar.  
FF=500.60  
B=491.90  
Inv.=490.2

Gar.  
FF=497.60  
B=488.90  
Inv.=484.7

1250 Gal. Septic Tank  
Inv. In = 489.6  
Inv. Out = 489.3

SEPTIC EASEMENT  
Dist. Box  
Ex. Grd = 492.2  
Inv. = 489.2

1250 Gal. Septic Tank  
Inv. In = 489.7  
Inv. Out = 489.4

SEPTIC EASEMENT  
Dist. Box  
Ex. Grd = 488.9  
Inv. = 485.9

1250 Gal. Septic Tank  
Inv. In = 484.2  
Inv. Out = 483.9

SEPTIC EASEMENT  
Dist. Box  
Ex. Grd = 486.7  
Inv. = 483.7

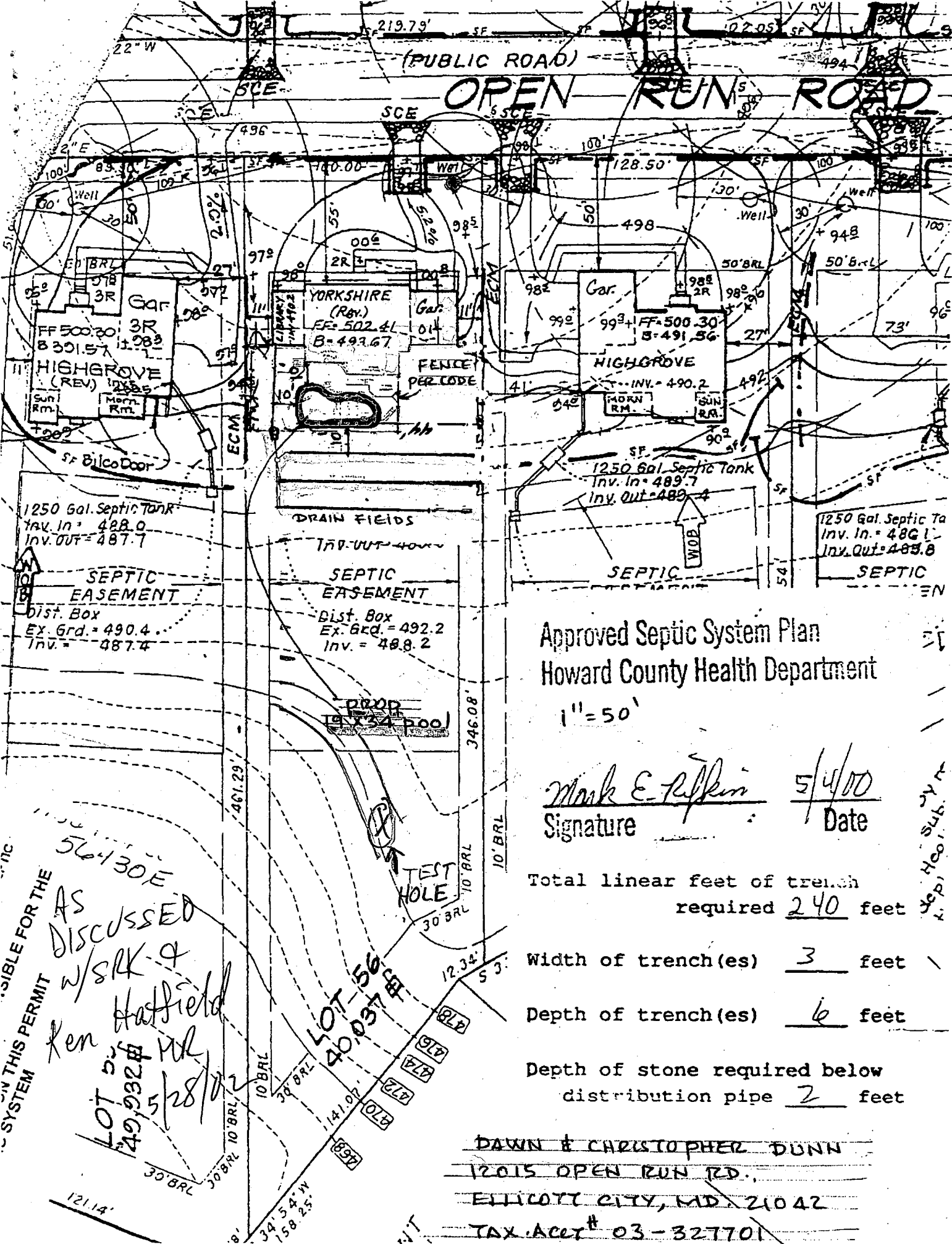
LOT 57  
40,003 sq ft

LOT 58  
40,002 sq ft

LOT 56  
40,031 sq ft

2/11/99 Well site OK as stated AM





Approved Septic System Plan  
 Howard County Health Department

1" = 50'

Mark E. Riffin      5/4/00  
 Signature                      Date

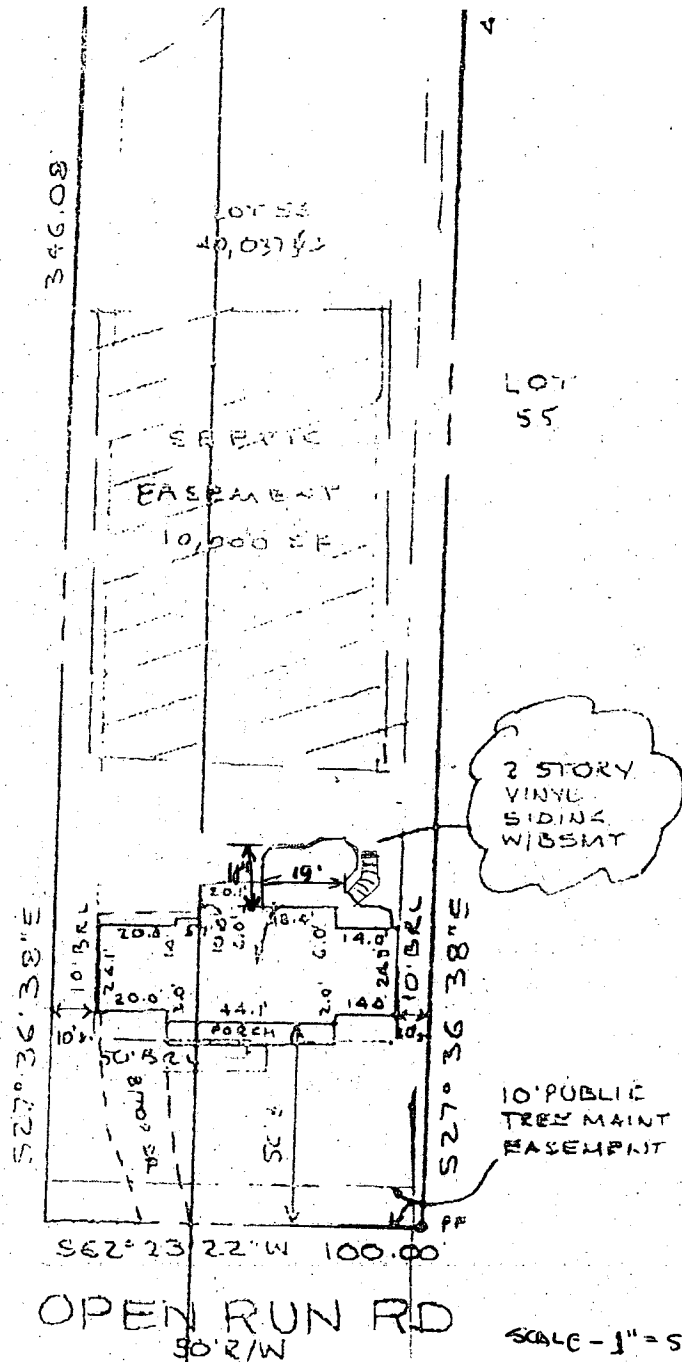
- Total linear feet of trench required 240 feet
- Width of trench(es) 3 feet
- Depth of trench(es) 6 feet
- Depth of stone required below distribution pipe 2 feet

DAWN & CHRISTOPHER DUNN  
12015 OPEN RUN RD.  
ELICOTT CITY, MD 21042  
TAX ACCT# 03-327701

AS DISCUSSED  
 w/SRK &  
 Ken Hatfield  
 5/28/00  
 LOT 56  
 49,932 sq ft

PERMISSIBLE FOR THE  
 SYSTEM

BP 0044582 LOT 57  
 Approved by  
 FR on  
 10/15/03  
 FOR 19' x 18' DECK



Accuracy: Approximate average accuracy (SD of sideline distances) for small suburban lots is two feet, and for large lots and metes and bounds parcels varies from two feet to twenty feet. In case of doubt, we recommend a Boundary Survey.



<b>LEGEND</b> Shed (unsurveyed) <input type="checkbox"/> Blacktop Drive ----- Gravel Drive == == == Concrete _____	This is an improvements Location Survey only, and must not be used for Boundary purposes. No Title Report furnished. No statement is made as to ownership of property or right or interest therein. Fences are approximate only and may not be shown. <i>Not to be used for construction purposes or permits of any kind whatsoever.</i>
--	--

EMAIL: SURVEYASSOCIATES@EROLB.COM

**SURVEY ASSOCIATES OF MARYLAND**

4905 SUDLEY RD  
 WEST RIVER MARYLAND 20778  
 TEL 410 266 7211 FAX 410 266 0918  
 FAX BALT 410 841 6150 FAX DC 301 970 2514

LOCATION  
 MORTGAGE  
 SURVEY