

12/29/99  
Septic C.O.  
11:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-361970

P 513195

A 50572-I

DISTRICT \_\_\_\_\_

DATE 12/27/1999

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXXXX~~ 410-313-2640

### INDEXED

DATE SYSTEM APPROVED 12/29/99

INSPECTOR BR

K & K Excavating IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 14960 Frederick Road, Woodbine, MD 21797 PHONE 410-442-1336

SUBDIVISION Carriage Mill Farms LOT 40 ROAD 14796 Carriage Mill Drive

PROPERTY OWNER ~~Oakhill Properties~~ TIM SLATTERY

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place distribution box 100 feet off the front lot line and 55 feet off the left lot line as seen when facing the lot from Carriage Mill Drive. Run three 60 foot trenches on contour toward the rear of the lot.

NOTES - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 11/5/99 OK  
A

PLANS APPROVED BY Amy McMillen DATE 10-05-99

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 A2S

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.

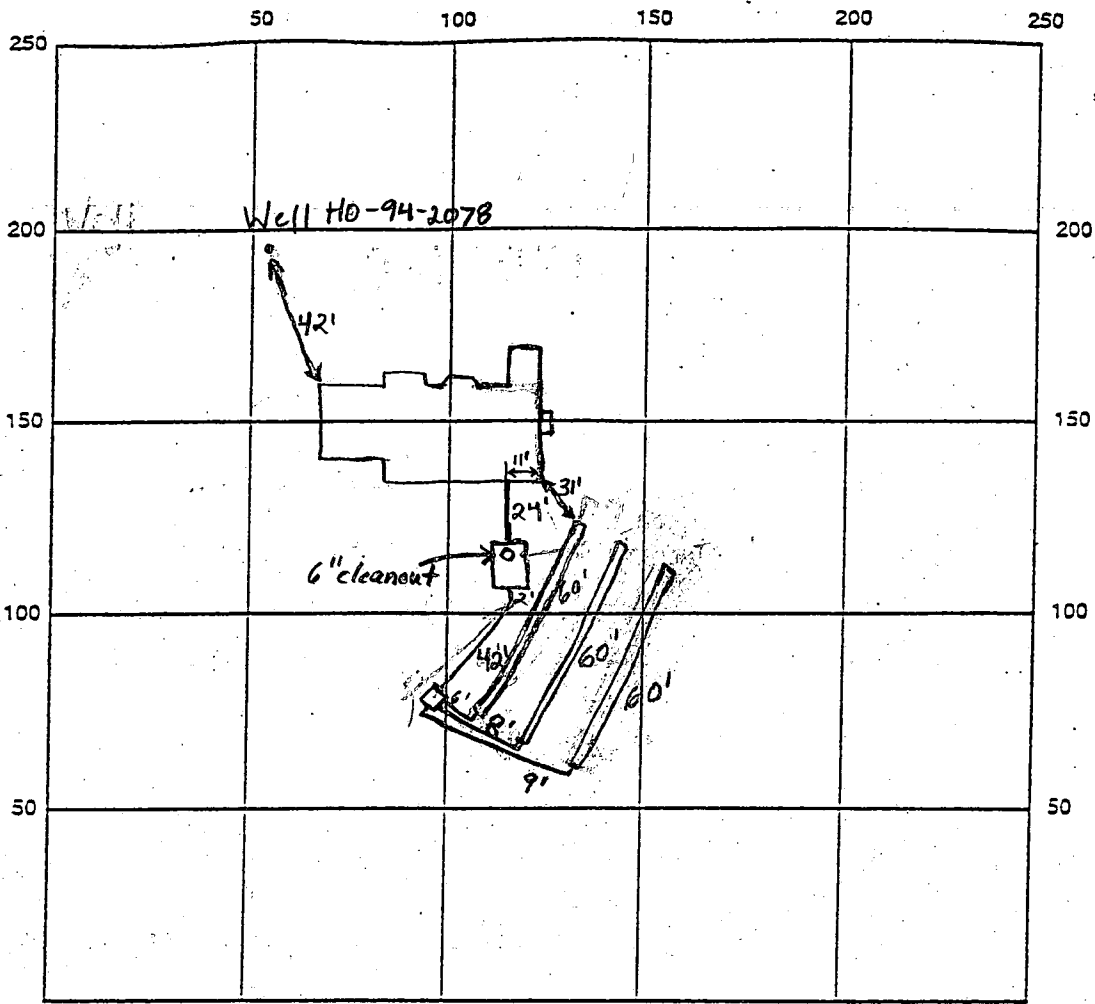
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

~~USE THIS PERMIT~~  
~~NO RETURN~~ 4/16/01  
B00129569 - Sunroom

505721

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Carriage Mill Drive

SEPTIC TANK LEVEL 1500 gallon mid seamed CLEANOUTS 1-6" tanks

DISTRIBUTION BOX LEVEL O.K.

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 3x60 FT. (180' Total)

NUMBER OF TRENCHES \_\_\_\_\_ ONE SIDEWALL/BOTTOM AREA \_\_\_\_\_ SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 12/29/99 House connection made. System O.K. O.K. to cover everything (BB)

DATE SYSTEM APPROVED 12/29/99 INSPECTOR B. Baber

# APPLICATION

PERCOLATION TESTING

A 50572I

P \_\_\_\_\_

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

DISTRICT 4

DATE March 6, 1995

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 Oak Hill Properties, L.L.C.

ADDRESS 11501 Huff Court, North Bethesda, MD 20895 PHONE 301 816 9433

AGENT OR PROSPECTIVE BUYER Oak Hill Properties, L.L.C./ c/o Ralph E. Bice, III

ADDRESS Same as Above PHONE Same As Above

PROPERTY LOCATION:

SUBDIVISION Berkshire Estates LOT NO. 218 40

ROAD AND DESCRIPTION Property is located on the Northeast Side of the intersection of Route 144 and Old Frederick Road. (14796 CARRIAGE Mill DRIVE)

TAX MAP 8 PARCEL # 158 & 79

SIZE OF LOT Average size equals 60,000Sq. Feet TYPE BLDG. Single Family Detached - 4 Bdr  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

REC'D. PERMIT SIGN'D  
AND RETURNED 10-5-99  
Serial # B10120475  
J.B.M.

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.

Ralph E. Bice, III  
(SIGNATURE OF APPLICANT)

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

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

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

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

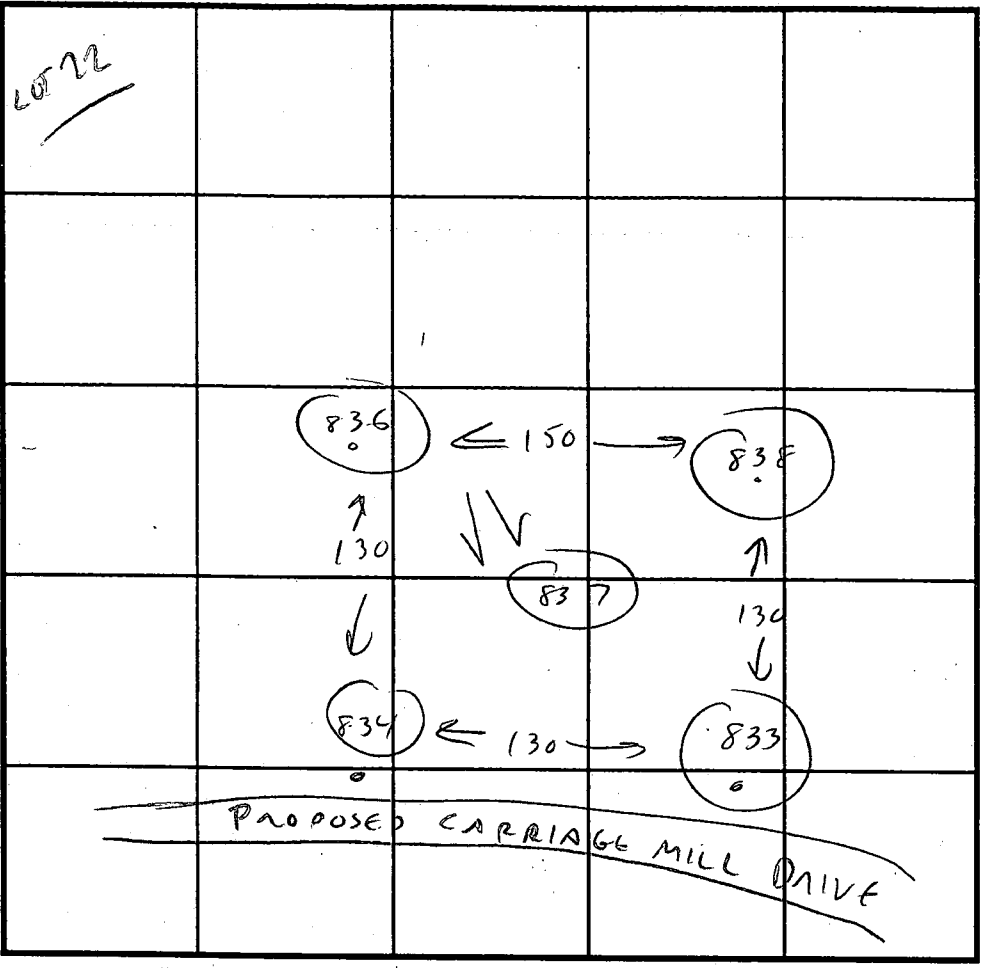
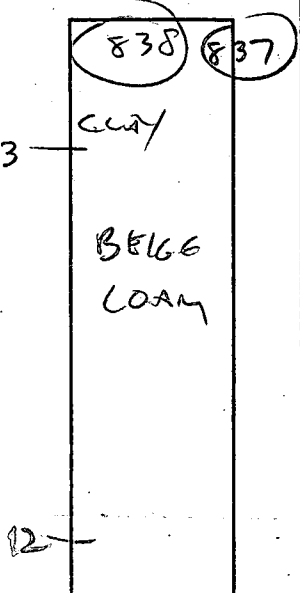
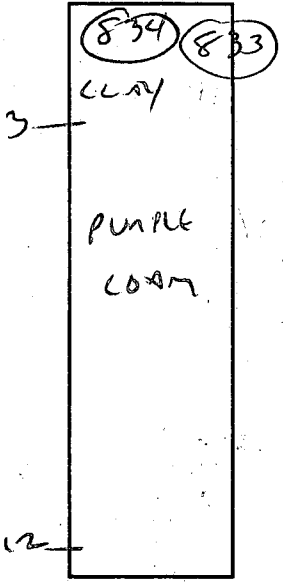
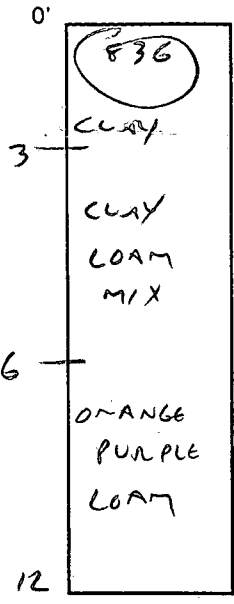
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

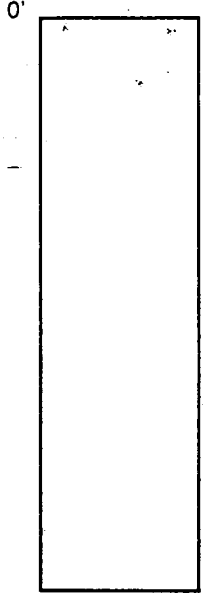
**A50572I**  
COUNTY #

SOIL PROFILE



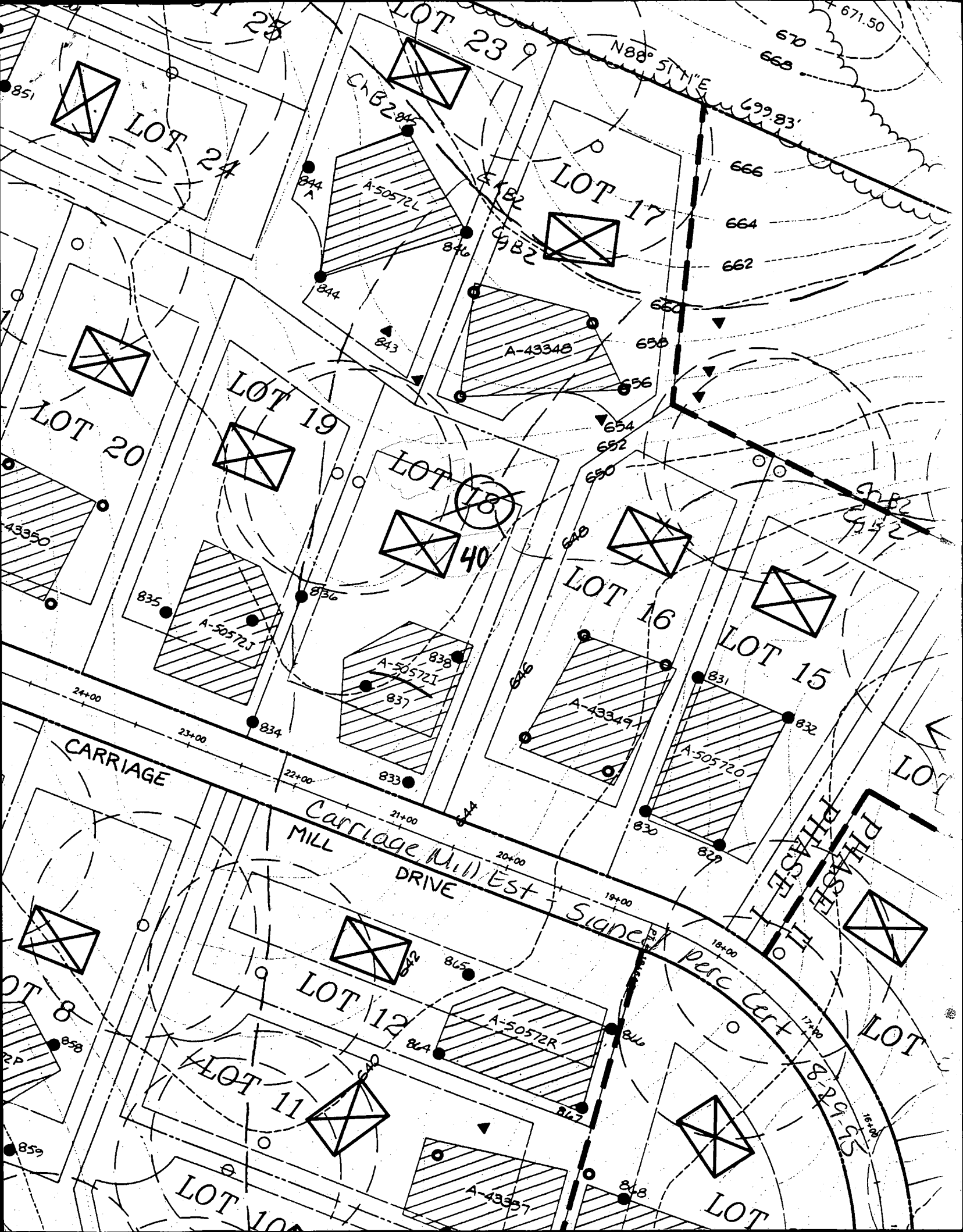
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/12/95	836	3	12125	12128	12128	12135	2 MIN
		8	12124	12126	12128	12129	3 MIN
		12		VIS OK	3-12'	LOAM	
	834	3	12128	12130 1/2	12130 1/2	12134	3 1/2 MIN
		8					
		12		VIS OK	3-12'	LOAM	
	838	3	12138 1/2	12139 1/2	12139 1/2		
		8					
		12		VIS OK	3-12'	LOAM	
	837	3	SAME	AS 838			
		8					
		12		VIS OK	3-12'	LOAM	
	833	VIS	OK	3-12'			
				SAME AS	834		

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY C. Wilber ALSO PRESENT R. BICE  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 MIN TRENCH WIDTH 2  
 INLET DEPTH 3 1/2 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180



LOT 24

LOT 23

LOT 17

LOT 19

LOT 20

LOT 18

40

LOT 16

LOT 15

CARRIAGE

Carriage Mill Est  
MILL DRIVE

Signer Perc Cert

PHASE II

PHASE I

LOT 12

LOT 11

LOT 10

LOT

LOT

C-18284

A-50572L

A-4334B

A-50572J

A-50572I

A-43349

A-50572O

A-50572R

A-43357

N88° 51' 11\"/>

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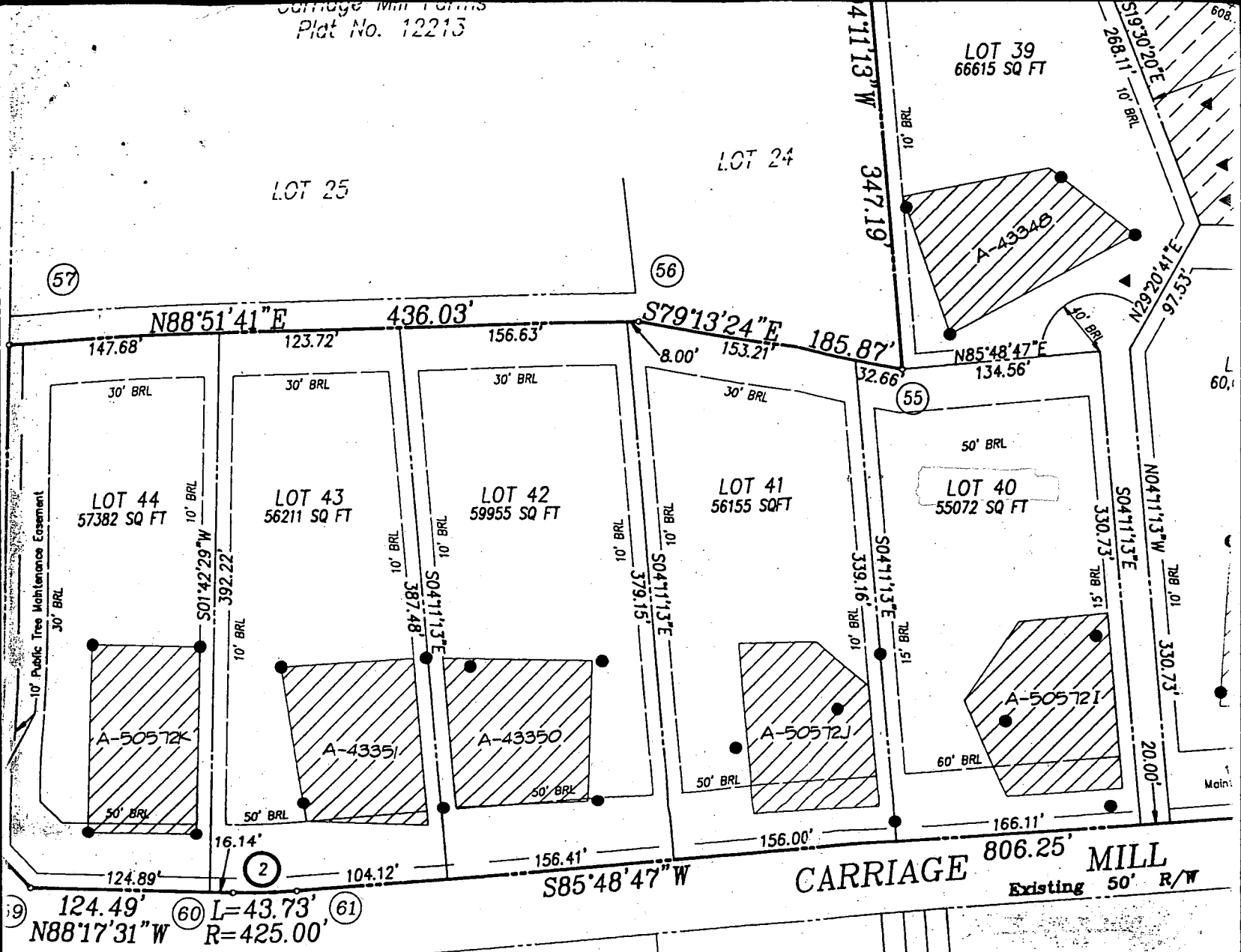
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Copy of signed final

MINIMUM LOT SIZE TABULATION

LOT NO.	GROSS AREA	PIPESTEM AREA	REMAINING AREA	100 YEAR FLOODPLAIN	25% SLOPES	MINIMUM LOT SIZE
Lot 35	51,150 sq.ft.	3,429 sq.ft.	47,721 sq.ft.	0	0	47,721 sq.ft.
Lot 36	55,090 sq.ft.	6,747 sq.ft.	48,343 sq.ft.	0	0	48,343 sq.ft.
Lot 39	66,615 sq.ft.	6,615 sq.ft.	60,000 sq.ft.	0	0	60,000 sq.ft.

The requirem  
Maryland, 198  
to the making

Steven

Kevin B. Roge

Surveyor's Certificate

I hereby certify that the final plat shown hereon is correct; that it is a resubdivision of Non-Buildable Bulk Parcels B and C of "Carriage Mill Farms, Phase One", as indicated on Plats 12211 - 12215 as recorded on June 20, 1996 among the Land Records of Howard County, Maryland, being also part of the lands conveyed by Bruce L. Schlosberg, individually as to a one-fourth (1/4) interest, Bruce L. Schlosberg, trustee as to a one-fourth (1/4) interest, Joseph B. Berke, trustee as to a seven-twentieth (7/20)

Owner's

I, Kevin B. Rogers, Chief Operating Officer, of Oak Hill Properties, Inc., shown and described hereon, hereby adopt this plan of resubdivision of Planning and Zoning, established the minimum building restrictions

- (1) The right to lay, construct and maintain sewer, drains, roads and street rights-of-way and the specific easer
- (2) The right to require dedication for public use in the be applicable and for good and other valuable considerati

Total linear feet of trench required 190 feet

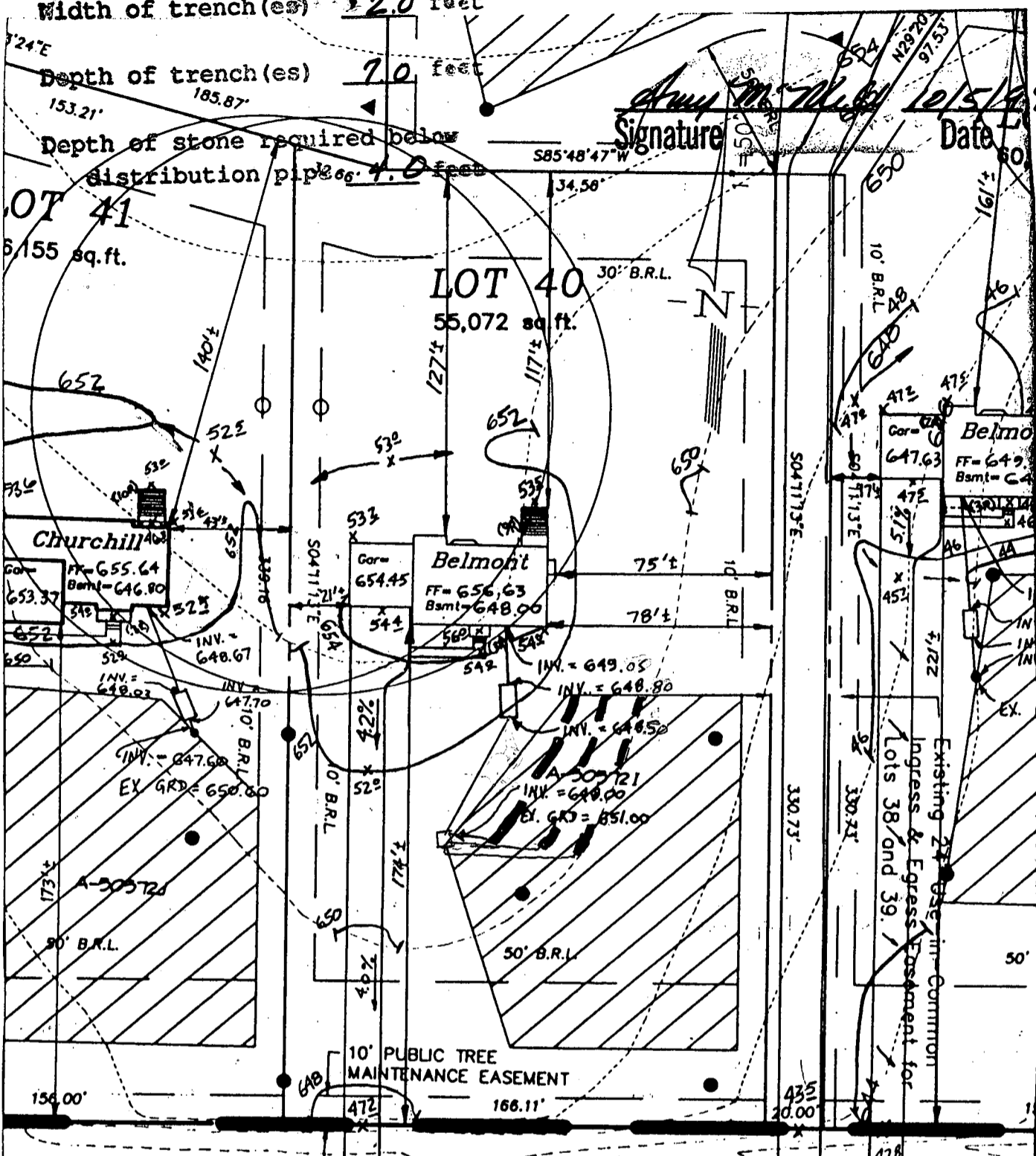
Approved Septic System Plan  
Howard County Health Department

Width of trench(es) 2.0 feet

Depth of trench(es) 7.0 feet

Depth of stone required below distribution pipe 4.0 feet

*Arny M. Mochi*  
Signature  
Date 12/5/99



RIVE 23+00 22+00 CARRIAGE MILL DRIVE 21+00 20+00  
5'48'47" W 806.25' 20+77 20+47

NE SEE SHEET 2 OF 4

CARRIAGE MILL FARMS  
PHASE II  
LOT 40  
BUILDING PERMIT  
DATE: 9/17/99  
PROJECT NO.: 95005.22  
DRAWN BY: JMZ  
SCALE: 1"=50'

SEPTIC DATA  
INV. OUT OF HOUSE = 649.05  
INV. INTO SEPTIC TANK = 648.63  
INV. INTO SEPTIC TANK = 648.30  
INV. INTO DIST. BOX = 648.00  
EX. ELEV @ DIST. BOX = 651.00  
G.P. 99-126

R.M. MOCHI GROUP, P.C.  
CIVIL ENGINEERS  
LAND SURVEYORS  
PLANNERS  
ENVIRONMENTAL  
P.O. Box 10  
New Market, MD 21774-0010  
10120 A Old National Pike  
Ijamsville, MD 21754-9706  
(301) 865-5858  
Fax: (301) 865-5111

Bryon 410-313-2648

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

~~461-8033~~

410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date 3-10-00

Name of Installer Lester Simmons Jr.

Telephone \_\_\_\_\_

License Number JWD/Call

Certified Well Pump Installer \_\_\_\_\_ Well Driller  Registered Plumber \_\_\_\_\_

Name of Property Owner Oak Hill Prop

Telephone \_\_\_\_\_

Subdivision \_\_\_\_\_ Lot # 40

Well Tag # NO 94-3078

Site Address 14790 Carriage Mills

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible

Motor

- 1. Horsepower \_\_\_\_\_
- 2. RPM 3450
- 3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220

Pitless Adapter

- 1. Make Mattinson
- 2. Model # B-10X
- 3. Depth 3 1/2

2. Make Gaulo

3. Model # 5G505422

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 32
- 2. Pressure relief valve? YES

Piping

- 1. Type PE
- 2. Size 1"
- 3. NSF and/or BOCA Code approved yes
- 4. Depth of supply line 3 1/2

Well data

- 1. Depth 300 ft.
- 2. Yield 6 GPM
- 3. Static water level \_\_\_\_\_ ft.
- 4. Will water supply be disinfected by installer? yes

3/14/00 Dave O.K. to cover.  
No inspection, (B.B)

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.

Signature of Applicant: Lester Simmons Jr.

Date: 3-10-00

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

C1 9898

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A50572I

DATE RECEIVED 0330 99

DATE WELL COMPLETED 31/19/99

DEPTH OF WELL 300

PERMIT NO. HO-94-2078

OWNER Oak Hill Carriage Mill first name TOWN Cooksville SUBDIVISION Carriage Mill Farms SECTION LOT 40

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries like Top Soil, red Shale, brown shale, gray & brown Slate, etc.

GROUTING RECORD form with fields for material type (Cement, Bentonite Clay), bags, pounds, and grout seal depth.

CASING RECORD form with fields for casing types (Steel, Concrete, Plastic, Other) and main casing dimensions.

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

SCREEN RECORD form with fields for screen type (Steel, Brass, Bronze, Plastic, Open Hole, Other) and depth.

PUMPING TEST form with fields for hours pumped, pumping rate, method used, water level, and pump type.

PUMP INSTALLED form with fields for pump type, capacity, horse power, and casing height.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER: A (Abandoned), E (Electric Log), P (Production)

DRILLERS LIC. NO. 1 MW D 040 George F. Easterday

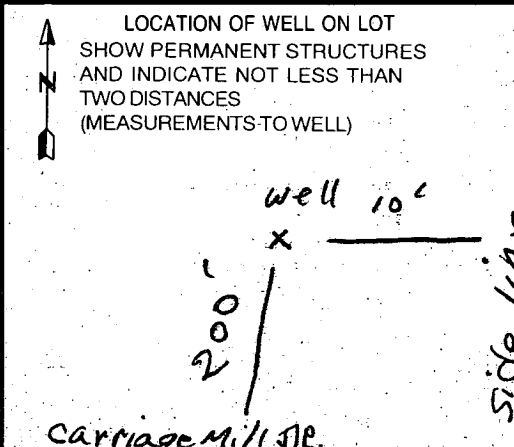
LIC. NO. 1 MW D 501 Charles R. Fellner

SITE SUPERVISOR responsible for sitework if different from permittee

DEPTH (nearest ft.) table with columns for casing sections and screen diameter.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields for telescope casing and log indicator.



Page \_\_\_\_\_  
Date \_\_\_\_\_

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER

HO-94-2078  
fill in this form completely

OWNER INFORMATION RN 7726

B 3

LOCATION OF WELL

CC#

Howard

8 COUNTY

Carriage Mill Farms

23 SUBDIVISION

SECTION 44 46

LOT 40  
48 50

Cooksville

52. NEAREST TOWN

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

Well Permit Properties

Owner First Name 34

Location of Well Leesburg, Va. 20175-3106

36 Street or RFD 55

Leesburg, Va. 20175-3106

57. Town 70 State 72 Zip 76

DRILLER INFORMATION

George F. Easterday M WD 040

Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.

Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771

Address

Signature George F. Easterday Date 12/14/1999

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 COUNTY NAME A50572F COUNTY NO.

STATE SIGNATURE Jim Pinto INSERT S →

DATE ISSUED 2/5/99 EXP. DATE 2/5/00

43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID 543 000 EAST GRID 794 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered)  JETTED  Jetted & DRIVEN
- AIR-ROTARY  AIR-PERCussion  ROTARY (Hydraulic Rotary)
- 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
- 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 DEEPEN 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)

APPROP. PERMIT NUMBER 54 \_\_\_\_\_ 63

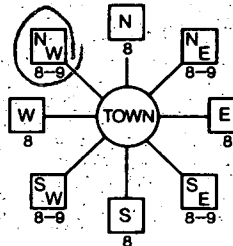
PERMIT No. HO-94-2078  
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Carriage Mill Dr NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 200 Ft

ENTER FT OR MI

TAX MAP 8 BLK 16 PARCEL 158

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
- 1. wells
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 794 4

N 543 3

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

