

8/10/00 1pm C.O.
8/28/00 3:00
9/20/00 12-1 PM
Septic Pump Test
9/21/00 9:30

04-361830

PERMIT

SEWAGE DISPOSAL SYSTEM

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

P 513700
A 43342
ISSUE DATE 7/24/2000
APPROVAL DATE 9/21/00

INDEXED

K & K Excavating IS PERMITTED TO INSTALL X ALTER

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

SUBDIVISION Carriage Mill Farms LOT NUMBER 28 ADDRESS 14752 Carriage Mill Drive

PROPERTY OWNER Oak Hill Properties PROPERTY OWNER'S ADDRESS 107 Loudoun Street SE

SEPTIC TANK CAPACITY 1250 GALLONS
PUMP CHAMBER CAPACITY 1250 GALLONS (Top Seamed Tanks)

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 240

LINEAR FEET OF TRENCH REQUIRED 320

**BUILDING PERMIT SIGNED
AND RETURNED 5/22/02
BOD 136401 - FG POOL**

TRENCHES: Trenches to be 3 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 35 feet from the rear (29.92') lot line and 10 feet from the left (453.84') lot line. Run trenches on contour to rear of lot.

SUGGESTED LAYOUT: 60', 80', 90', 90' 6/11/00 O.K. (30)
(Pumped System Required)

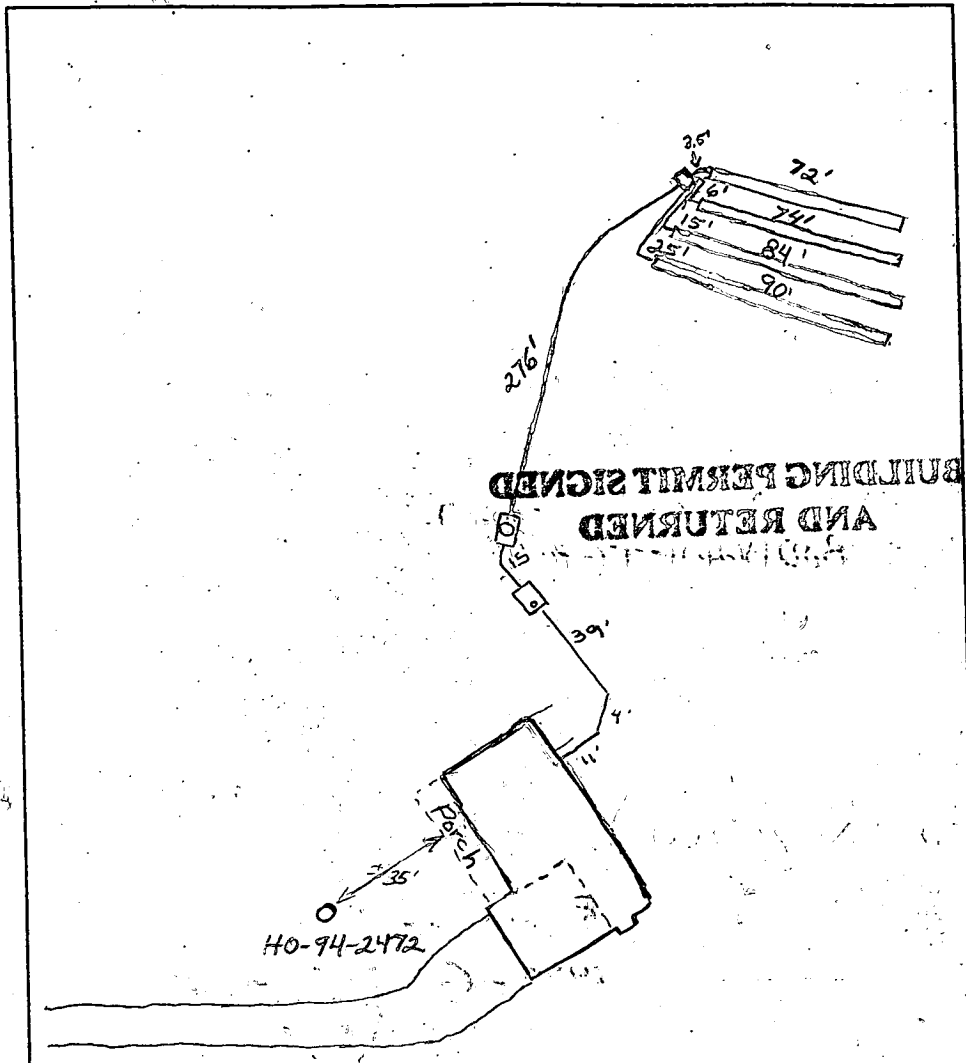
PLANS APPROVED Mark E. Rifkin DATE 5/10/2000

- 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

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

PH3342

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3.0'
 TRENCH INLET DEPTH 4.5'
 TRENCH BOTTOM DEPTH 6.5'
 DEPTH OF STONE 2.0'
 NUMBER OF TRENCHES 4
 TOTAL TRENCH LENGTH 320
 ABSORBENT AREA 960 sq. ft.
 DISTRIBUTION BOX LEVEL OK
 BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS
 MANHOLE RISER No
 6 INCH INSPECTION PORT Yes

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS 1500 TS
 MANHOLE RISER Yes
 ALARM _____
 PUMP PERFORMANCE TEST _____

PRE-CONSTRUCTION INSPECTION: _____

INSPECTION COMMENTS: 8/11/00 OK to cover house to pump chamber All
8/28/00 First trench installed, second started. O.K. to cover first trench. To leave
trench ends open. Well casing bent. Cap cracked. Casing only 7" above grade. Height
needs to be checked after repair and final grading. (BB) 8/29/00 Well cap and
casing repaired and raised. System O.K. Alright to cover. Final approval
pending pump and alarm performance. (BB) 9/20/00 Recheck 9/21/00 Pump and
alarm working (BB)

INSPECTOR B. Baber DATE SYSTEM APPROVED 9/21/00

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

~~461-0033~~

410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 8-1-00

Name of Installer Darren Wilson

Telephone _____

License Number JSD065

Certified Well Pump Installer _____ Well Driller Registered Plumber _____

Name of Property Owner Oak Hill Prop

Telephone _____

Subdivision Carridge Mill Farm # 28

Well Tag # HO-94-2472

Site Address 14752 Carridge Mill Dr.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible _____
- Make Go-Ho
- Model # 50505432
- Capacity 6 GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor

- Horsepower _____
- RPM 3450
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Matkinson
- Model # B-102
- Depth 3 1/2

Tank

- Capacity 32
- Pressure relief valve? Yes

Piping

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

Well data

- Depth 260 ft.
- Yield 12 GPM
- Static water level _____ ft.
- 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.

Signature of Applicant: Darren Wilson

Date: 8-1-00

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

7/28/00
WPI OK
DKS (BB)

APPLICATION

PERCOLATION TESTING

A 43342
P _____
DISTRICT 4TH
DATE 1-6-89

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
PO BOX 476 ELLICOTT CITY, MARYLAND, 21043
TELEPHONE 461-9933

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER JOSEPH B. BERKE OAK HILL PROPERTIES

ADDRESS 414 TIMBERCOVE CIRCLE - LONGWOOD, FL. 32779 PHONE 407-869-6717

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: CARRIAGE MILL FARMS
SUBDIVISION BERKSHIRE Estates LOT NO. A 48 28

ROAD AND DESCRIPTION 14752 CARRIAGE MILL

~~SLDCL PERMITS DENIED~~
~~AND RETURNED~~ 5/10/2000
B00123331

TAX MAP 8 PARCEL # 158

SIZE OF LOT 3.32 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.

Joseph B. Berke
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

Part of new lot # 6

Rt 70

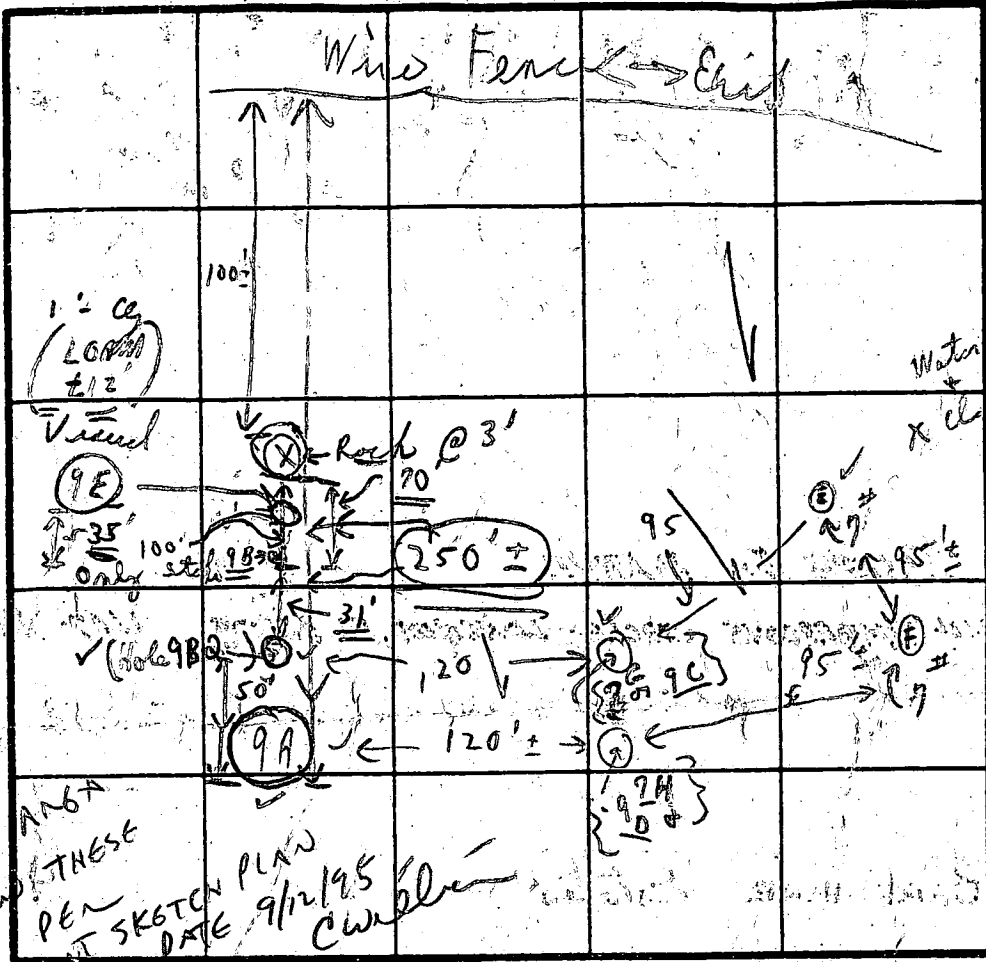
43342

9

Cooker
Clay

SOIL PROFILE

T. SOIL
CLAY
LO AM



Inlet 4 1/2'
Bottom 6 1/2'
(19 minute average)
240 BR
Mound
{Shallow System}

APPROVED STATE HEALTH DEPT
HIGHER ON LOT THAN THESE
TESTED LOCATIONS
PRELIMINARY EQUIPMENT SIGNATURE

AMBA
PEN SKETCH PLAN DATE 9/12/95
Cwblin

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/7	(9A)	3 1/2'	11:11	11:18	11:18	11:20	11 min
		5'	11:05	11:09	11:09	11:20	11 min
	(9B)	11 ±'					
	(9E)	5'	11:48	11:52	11:52	12:18	26 min
	(2H)	5 1/2'					
	(9E)	13'					
	(2H)	1/2 2"	12:57	1:18	1:18	1:46	28
	(9E)	7'					
	(2G)	4 1/2'	12:58	1:02	1:02	1:11	9
		11'					

REMARKS 4/7/89 Tests in open ; Test per stake

TYPE OF SOIL

TESTED BY

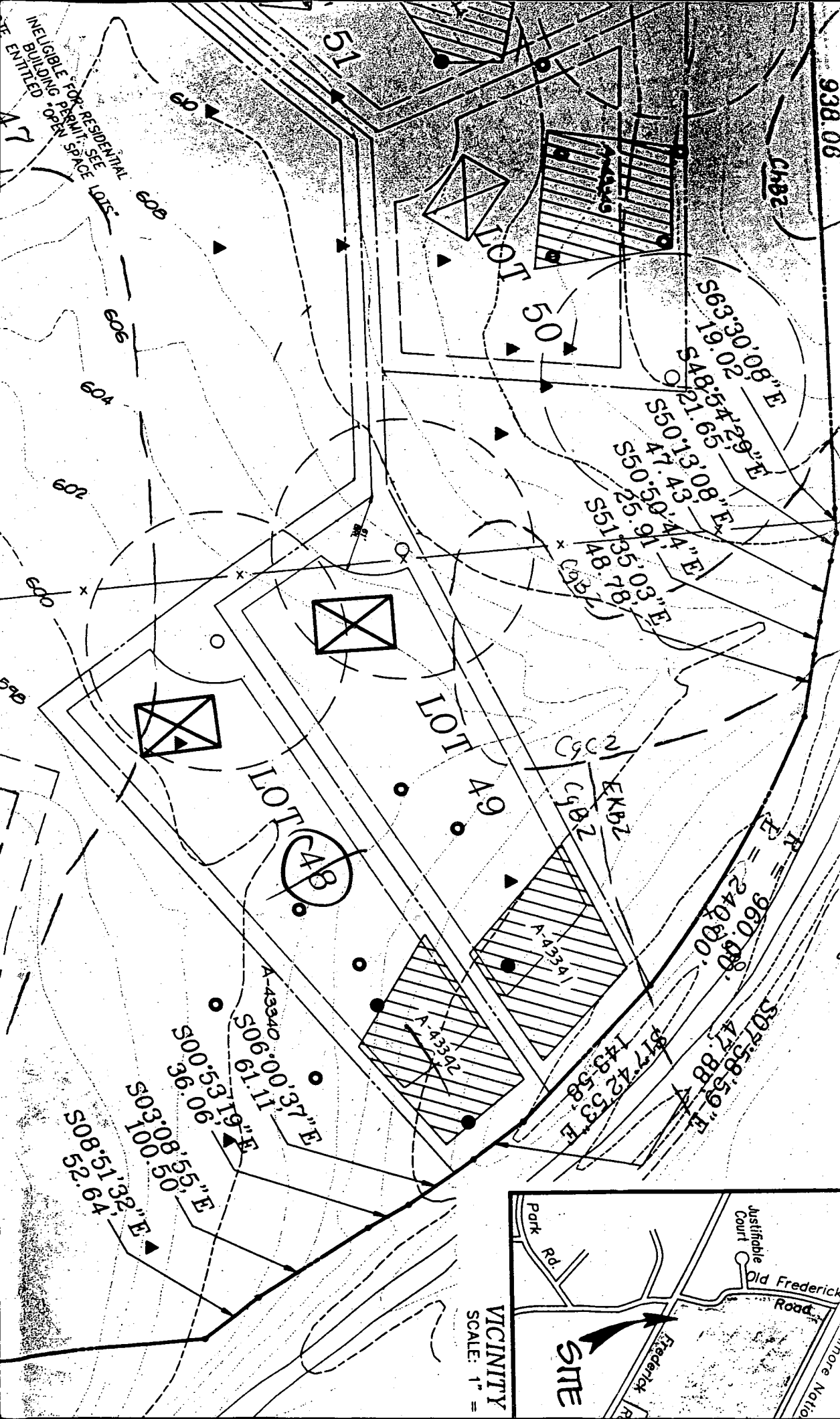
C. B. O.

ALSO PRESENT

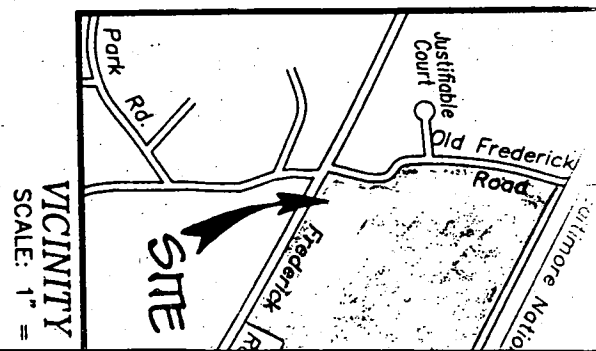
{Anolis}
{men}

1'-5 1/2" ch
13' b

1/8" x 11:46



Carrage Mill Est
Signed Perc
Cert.
8-29-95



E

14.98'

135.86'

1555.51'

C-9

75' GAL.

100' GAL.

165.31'

ES-2

GOAS

GOAD

GOO6

BRL

30' BRL

30' BRL

A-43341

LOT 6

228,127.76 sq. ft.
5.2571 acres

20' DRAINAGE & UTILITY EASEMENT

20' USE-IN-COMMUN-
EASEMENT

N 79°49'22" E
423.09'

N 68°59'38" E
266.12'

A-43340

A-43342

67.87' N 05°21'15" W

30' BRL

30' BRL

VEHICULAR

ES-9

C-13

960.00'

240.00' 8'h

12'h

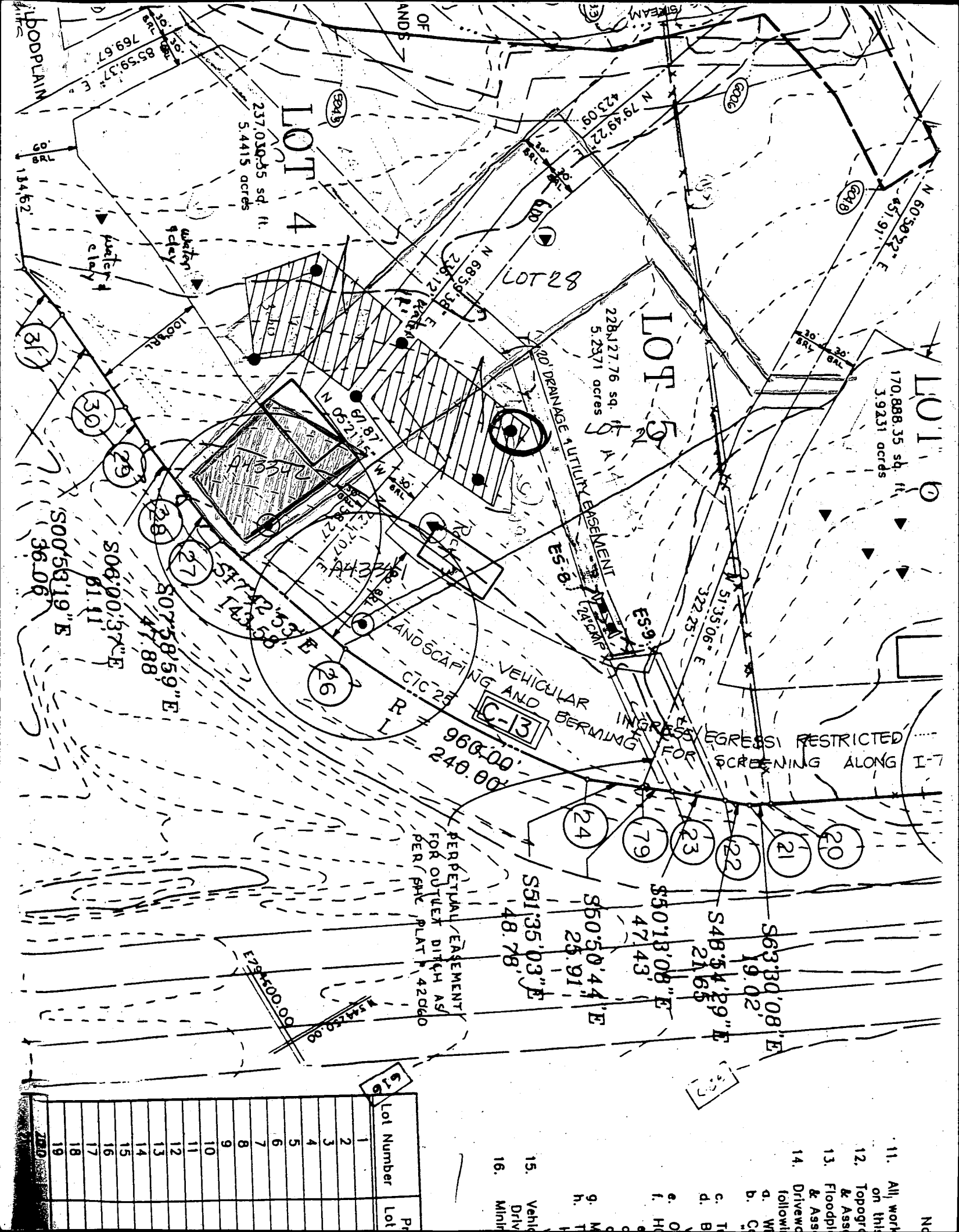
\$17'42'53" E
143.58'

26

\$50.18'08"
47'43"
\$50.50'44"
25'91"
\$51'35'03" E
48'78"

PERPETUAL EASE-
MENT FOR OUTLET
PER 1547

506'00'37"
507'58'59"
500'53'10"
503'08'



LOT 1
170,888.35 sq. ft.
3.9231 acres

LOT 4
237,030.35 sq. ft.
5.4415 acres

LOT 30
228,127.76 sq. ft.
5.2371 acres

LOT 31
36.06
S00°53'19"E

LOT 29
S06°00'37"E
81.41

LOT 28
S07°58'59"E
47.88

LOT 27
S07°58'59"E
47.88

LOT 26
S07°58'59"E
47.88

PERPETUAL EASEMENT
FOR OUTLET DITCH AS
PER PHC PLAT P. 42060

VEHICULAR INGRESS RESTRICTED
SCREENING ALONG I-7

S63°30'08"E
19.02

S48°54'29"E
21.65

S50°13'08"E
47.43

S50°50'44"E
25.91

S51°35'03"E
48.78

Lot Number	Area
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	

11. All work on this...
12. Topogr...
13. Floodpl...
14. Drivewo...
15. Vehic...
16. Minir...

C 14 07502

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 43342

ST/CO USE ONLY DATE Received MM 4 12 00

DATE WELL COMPLETED MM 21 11 00

Depth of Well 22 260 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HD-94-2472

OWNER Oak Hill Properties last name Carriage Mill Dr first name TOWN Cooksville SUBDIVISION CARRIAGE MILL FARMS SECTION LOT 28

WELL LOG Not required for driven wells

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. Includes entries for Top soil, Sand, silt, clay, shale, light mica, Tan mica, and Blue mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay) NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (S, T) Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used) diameter, depth (feet)

SCREEN RECORD screen type or open hole (S, B, H, P, O) DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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. 1 MW D 040 George F. Kestelany DRILLERS SIGNATURE LIC. NO. 1 AW D 328

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

DEPTH (nearest ft.) 113 260 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

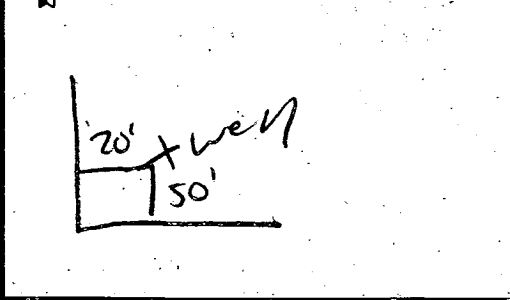
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 12 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 11 WHEN PUMPING 124 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below LAND SURFACE 2 (nearest foot)

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



B 1 14786

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2472 fill in this form completely

Date Received (APA) 101399

OWNER INFORMATION RN 8062

Oak Hill Properties 107 Loudoun St., N E Leesburg, Va. 20175-3106

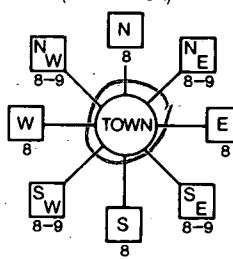
LOCATION OF WELL B 3 Howard

Carriage Mill Farms Cooksville

DRILLER INFORMATION

George F. Easterday L. Franklin Easterday, Inc. 9265 Brown Church Rd.. MT. Airv. Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Carriage Mill Dr ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 60

WELL INFORMATION

APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 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 A 43342 DATE ISSUED 101899

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTary AIR-PERCussion CABLE JETTED ROTARY (Hydraulic Rotary) REVerse-ROTary DRive-POINT

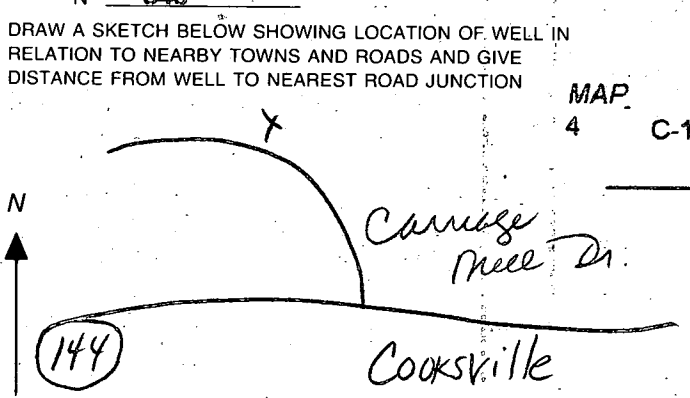
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- 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

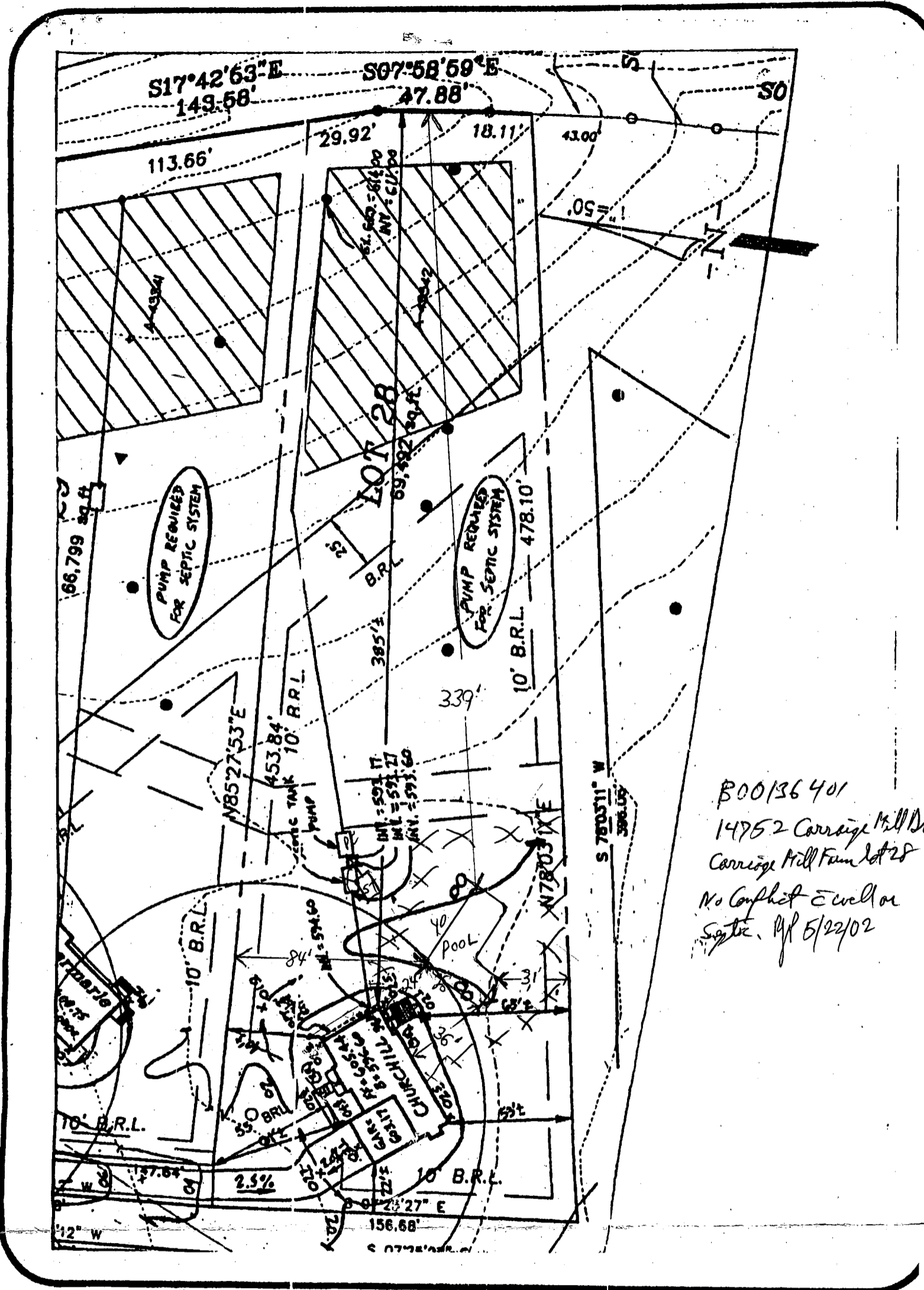
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER 54 PERMIT No. HO-94-2472

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells WRITE THE BOX NUMBER FROM THE MAP HERE E 790 N 540



SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



B00136401
 14752 Carriage Mill Dr
 Carriage Mill Farm Lot 28
 No Conflict E well or
 Septic. Yr 5/22/02

CARRIAGE MILL FARMS

SEPTIC DATA

INV. OUT OF HOUSE = 594.60
 INV. INTO SEPTIC TANK = 593.60
 INV. INTO SEPTIC TANK = 593.27
 INV. INTO DIST. BOX = 611.00
 EX. ELEV @ DIST. BOX = 614.00

R.M. MOCHI GROUP, P.C.

P.O. Box 10
 New Market, MD 21774-0010

10120 A Old National Pike
 Germantown, MD 21754-9708

(301) 865-5858
 Fax: (301) 865-3111

**PHASE II
 LOT 28
 BUILDING PERMIT**

DATE: 3/10/00	PROJECT NO.: 95005.22
DRAWN BY: SMZ	SCALE: 1"=50'

