

8/29/97
11/03
9/17/97
WPI AM

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-358430

P 58901B

A 50572-W

DISTRICT 4th

DATE 8-6-97

DATE SYSTEM APPROVED 9/2/97

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXX-9999~~ 313-2640

INDEXED

Olen Ketterman

IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 410-442-1336

SUBDIVISION Carriage Mill Farms LOT 17 ROAD 14709 Carriage Mill Drive

PROPERTY OWNER Oakhill Properties

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 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 110 feet from the rear lot line and 90 feet from the right lot line. Run trenches along contour to rear of lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/1/97 DKS

8/27/97 INSTALLER REPORTS TOPO IN FIELD RUNS ACROSS LOT LEFT TO RIGHT (NOT PER SITE PLAN); OK TO RUN TRENCHES TO RIGHT SIDE OF LOT MR

PLANS APPROVED BY K. Sykes/Mark Rifkin REVISED _____ DATE 06/26/97

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**

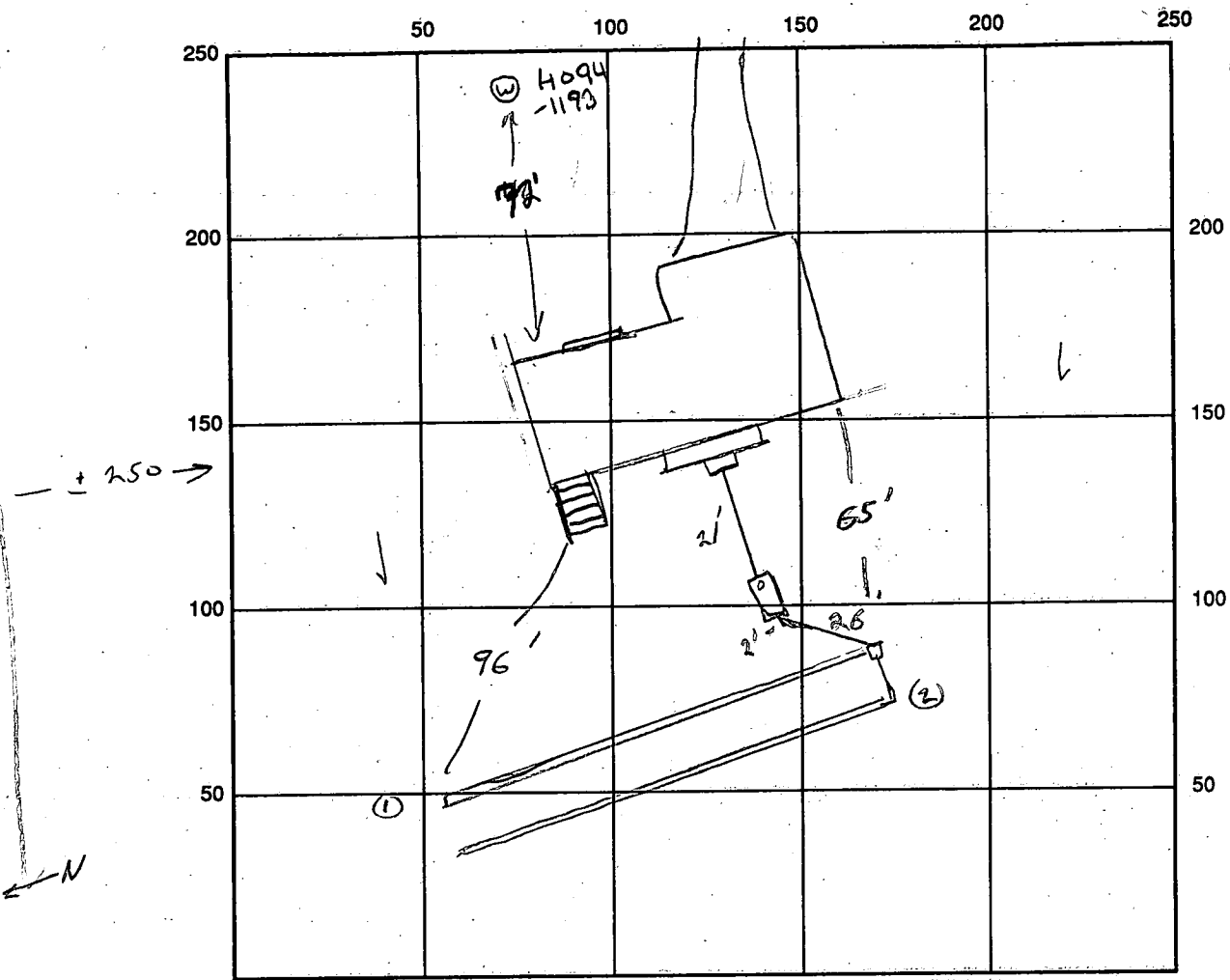
HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

REG. PERMITS SECTION
AND RETURNED 5/9/01
Deck 800130105

A 50572-W

R
O
A
D
1
4
4



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK CLEANOUTS 1 on tank
 DISTRIBUTION BOX LEVEL OK, BARELS IN, CEEMENTS
 DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.
 EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 11 1/2 FT. = 180
 NUMBER OF TRENCHES 2 ~~ONE SIDEWALL~~ BOTTOM AREA 720 SQ. FT.
 DRYWALL INSIDE DIAMETER - FT. EFFECTIVE DEPTH BELOW INLET - FT.
 ABSORBENT AREA - SQ. FT.

REMARKS: 8/29/97 OK TO FINISH + COVER 1ST TRENCH, TANK + DIST
BOX OK TO COVER, LEAVE ENDS OPEN ON 2ND TRENCH OK TO COVER
REST 9/2/97 SECOND TRENCH OK, COVER ALL WORK
9/17/97 WPT OK TO COVER WELL LINE, P.A. 4.0' below grade, casing 1.5'
above grade, has 2 piece cap (KM)

DATE SYSTEM APPROVED 9/2/97 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 50572W

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. 44 3217

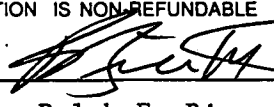
ROAD AND DESCRIPTION Property is located on the Northeast Side of the intersection of Route 144 and Old Frederick Road. (14709 CARRIAGE MILL DRIVE)

TAX MAP 8 PARCEL # 158 & 79

~~DUPLICATE PERMIT~~
AND RETURNED 6-26-97
Serial # B10706398

SIZE OF LOT Average size equals 60,000Sq. Feet TYPE BLDG. Single Family Detached - 4 Bdrm
(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)
Ralph E. Bice, III

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 _____

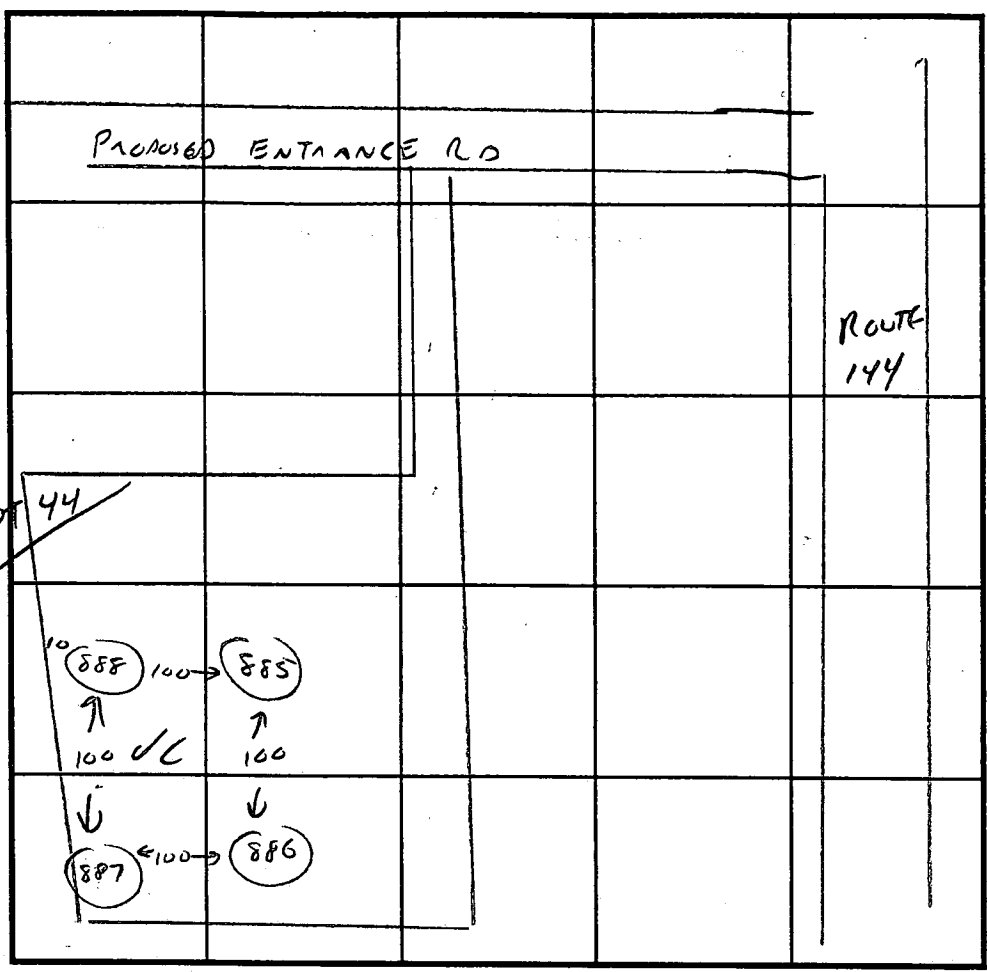
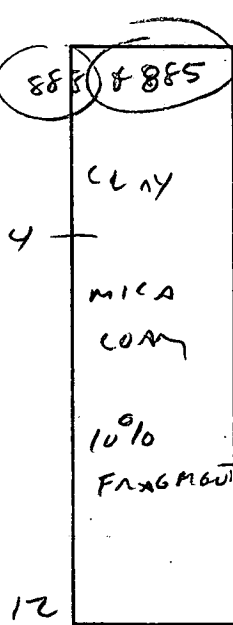
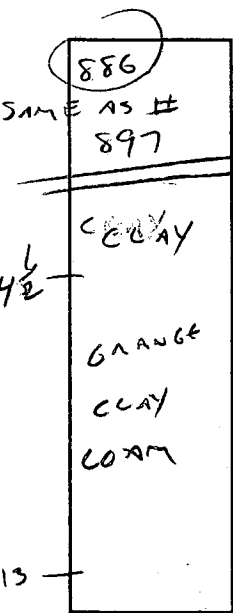
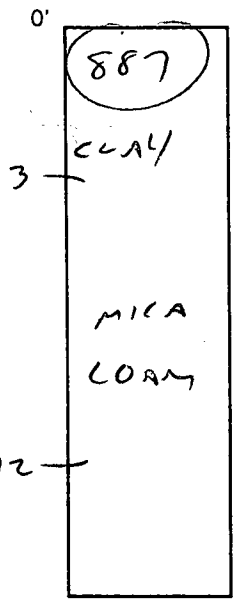
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

A 50572 W

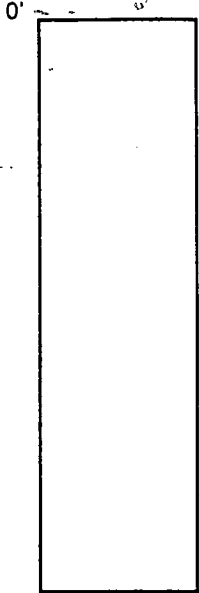
COUNTY #

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	
4/10/95	887	3	2:08	2:09	2:09	2:11	2 MIN ✓
		7	2:08	2:09	2:09	2:11	
		12	VIS	OK 3	-12		✓
	886	4 1/2	VIS	OK 4 1/2	-12		✓
		13					
	885	4	2:12	2:14	2:14	2:17	3 MIN ✓
		8					
		12					✓
	888	4	SAME AS 885				✓
		8					
		12		VIS OK	4-12		

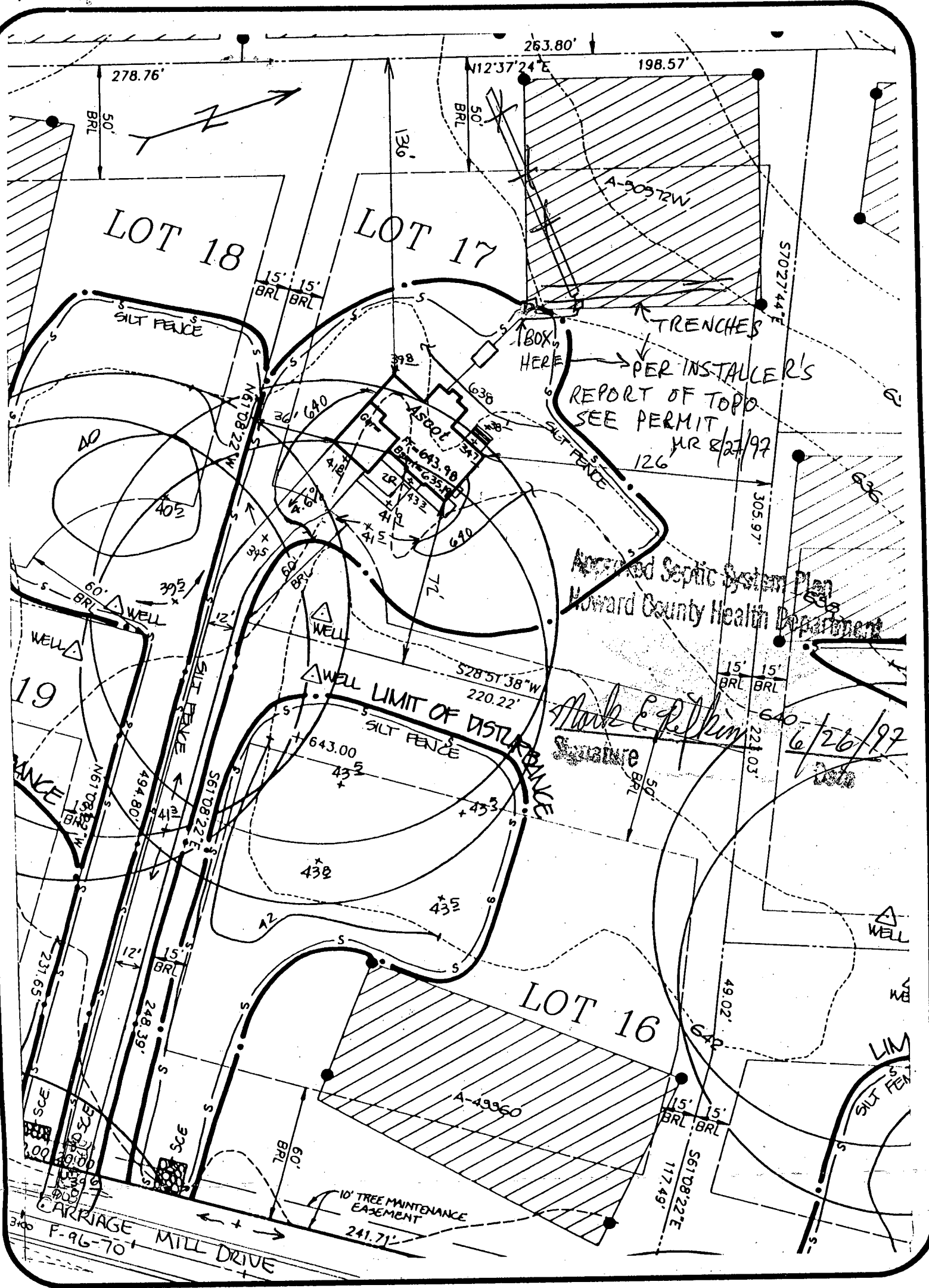
REMARKS _____

TYPE OF SOIL _____

TESTED BY C. Williams ALSO PRESENT OK, JR R. BICE

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 MIN TRENCH WIDTH 2

INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 8 SQ. FT./BEDROOM 180



CARRIAGE MILL FARMS

PHASE I
LOT 17
BUILDING PERMIT

DATE: 6/17/97	PROJECT NO.: 95005.22
DRAWN BY:	SCALE: 1"=50'

SEPTIC DATA

INV. OUT OF HOUSE = 6.33.13
 INV. INTO SEPTIC TANK = 6.32.73
 INV. OUT SEPTIC TANK = 6.32.4
 INV. INTO DIST. BOX = 6.31.9
 EX. ELEV @ DIST. BOX = 6.35.9

GP-96167

R.M. MOCHI GROUP, P.C.
 CIVIL ENGINEERS
 LAND SURVEYORS
 PLANNERS
 ENVIRONMENTAL

3300 N. Ridge Road, Suite 235 (410) 461-0079
 Ellicott City, MD 21043-3350 Fax: (410) 750-6340

OLD FREDERICK ROAD

N 543500

E 792000

MATCH LINE
See Sheet 2 of 5

60,404 sq. ft.

LOT 29
64,747 sq. ft.

LOT 30
59,844 sq. ft.

LOT 2
60,000 sq. ft.

LOT 32
64,721 sq. ft.

LOT 31
58,632 sq. ft.

LOT 1
60,000 sq. ft.

LOT 33
64,633 sq. ft.

LOT 34
60,000 sq. ft.

LOT 34
57,053 sq. ft.

LOT 35
56,455 sq. ft.

E 792000

N 542750

PHASE I
PHASE II

10 TREE MAINTENANCE
EASEMENT

CARRIAGE MULL



C 1 8195

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

A50572W

ST/CO USE ONLY DATE Received

8 13

DATE WELL COMPLETED

061997

Depth of Well

22 140 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

40-94-1193

OWNER: DAK HILL INDUSTRIES, L.L.C. STREET OR RD: 14709 Carriage Mill Dr. TOWN: DRYVILLE SUBDIVISION: CARRIAGE MILL SECTION: LOT: 17

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 (Use additional sheets if needed), FEET (FROM, TO), check if water-bearing. Includes entries like 'Spc soil', 'brown shale', 'Mica', 'sand stone', etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 15 NO. OF POUNDS 1500 GALLONS OF WATER 75 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 45 ft.

CASING RECORD casing types insert appropriate code below: [ST] STEEL, [CO] CONCRETE, [PL] PLASTIC, [OT] OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) [60] [61] [63] [64] [66] [70]

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below: [ST] STEEL, [BR] BRASS BRONZE, [PL] PLASTIC, [HO] OPEN HOLE, [OT] OTHER

DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) T W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

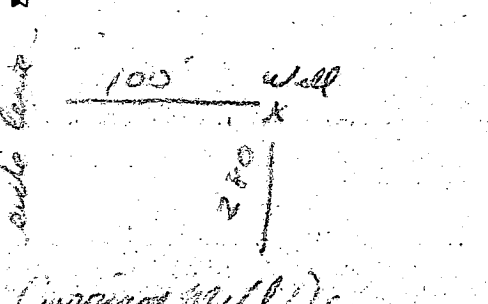
PUMPING TEST

HOURS PUMPED (nearest hour) [3] PUMPING RATE (gal. per min.) [15] METHOD USED TO MEASURE PUMPING RATE [Bucket] WATER LEVEL (distance from land surface) BEFORE PUMPING [31] ft. WHEN PUMPING [35] ft. TYPE OF PUMP USED (for test) [S] submersible

PUMP INSTALLED

DRILLER WILL INSTALL 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) [4] above LAND SURFACE [2] (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED YES [Y] NO [N]

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

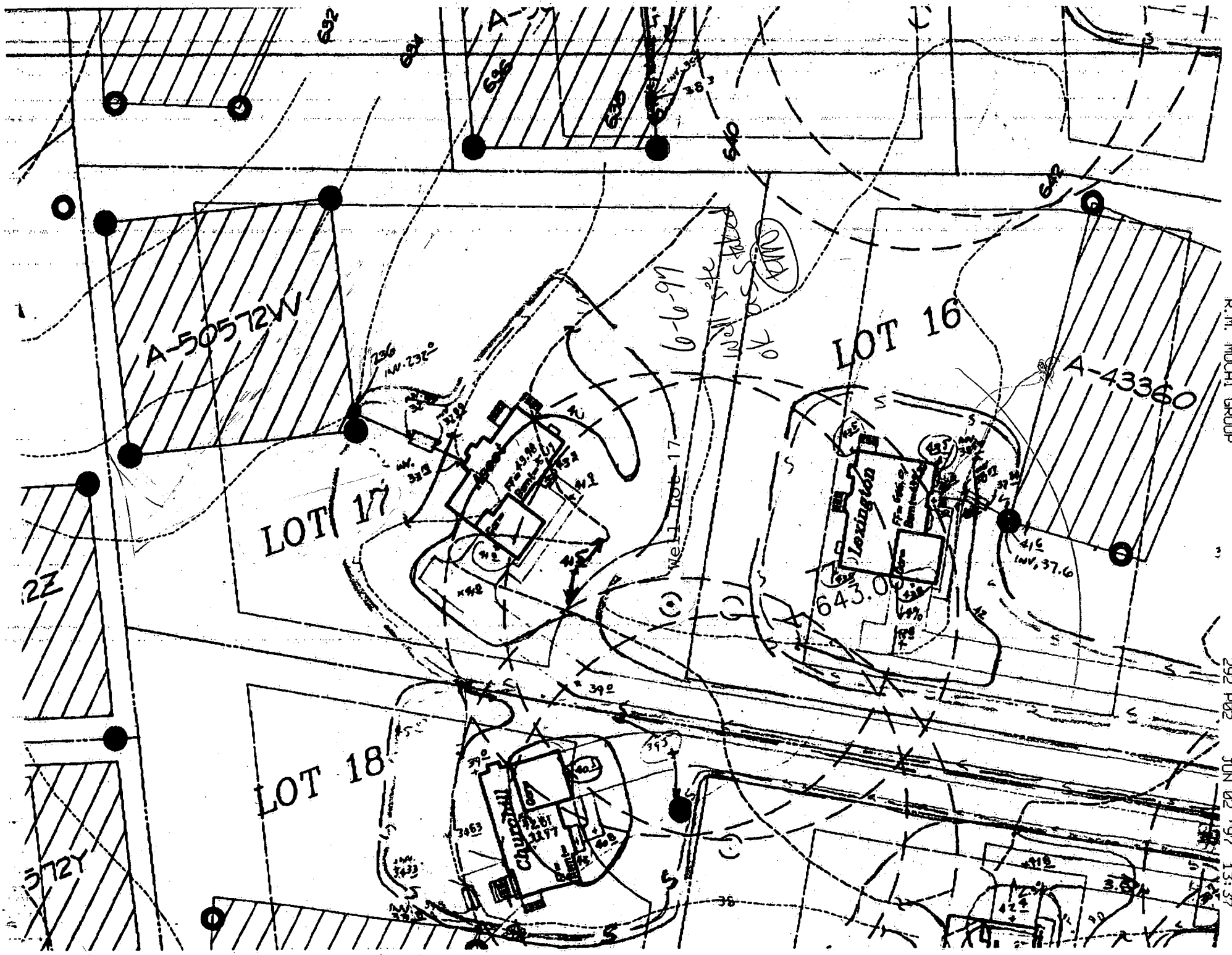
TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 040

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 501

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

OWNER



B 1 SEQUENCE NO. (MDE USE ONLY) 0300
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-1193
fill in this form completely

Date Received (APA) 6/3/97
OWNER INFORMATION RN 7412

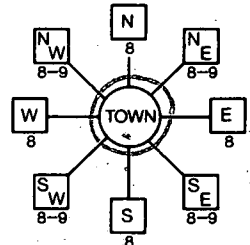
B 3 LOCATION OF WELL
Howard CC#
8 COUNTY 21

Oak Hill Properties
15 Last Name Owner First Name 34
107 Loudoun St. N E
36 Street or RFD 55
Leesburg, Va. 20175-3106
57 Town 70 State 72 Zip 76

Carriage Mill Farms
23 SUBDIVISION 42
SECTION 44 46 LOT 17 48 50
Cooksville
52 NEAREST TOWN 71

DRILLER INFORMATION
George F. Easterday M W D 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: 6/2/97

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
Carriage Mill Dr
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
3280 37
DISTANCE FROM ROAD Ft. 38 39
ENTER FT OR MI
TAX MAP: BLK: PARCEL



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)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard AS0572W
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 6-9-97 Kimberly Maisto 6-9-98
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 543000 EAST GRID 792000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

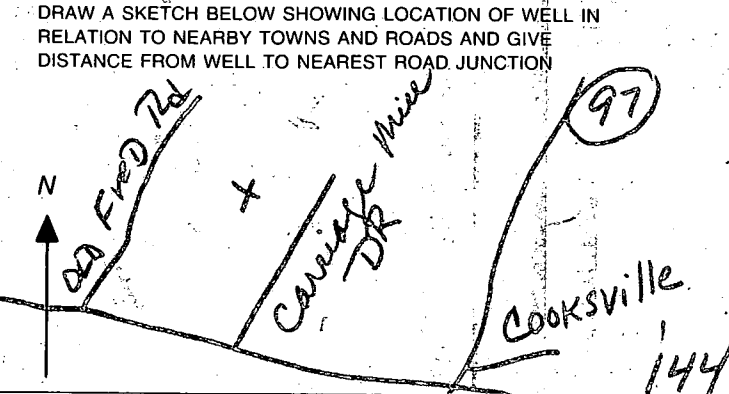
APPROXIMATE DIAMETER OF WELL 5 INCH NEAREST INCH

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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

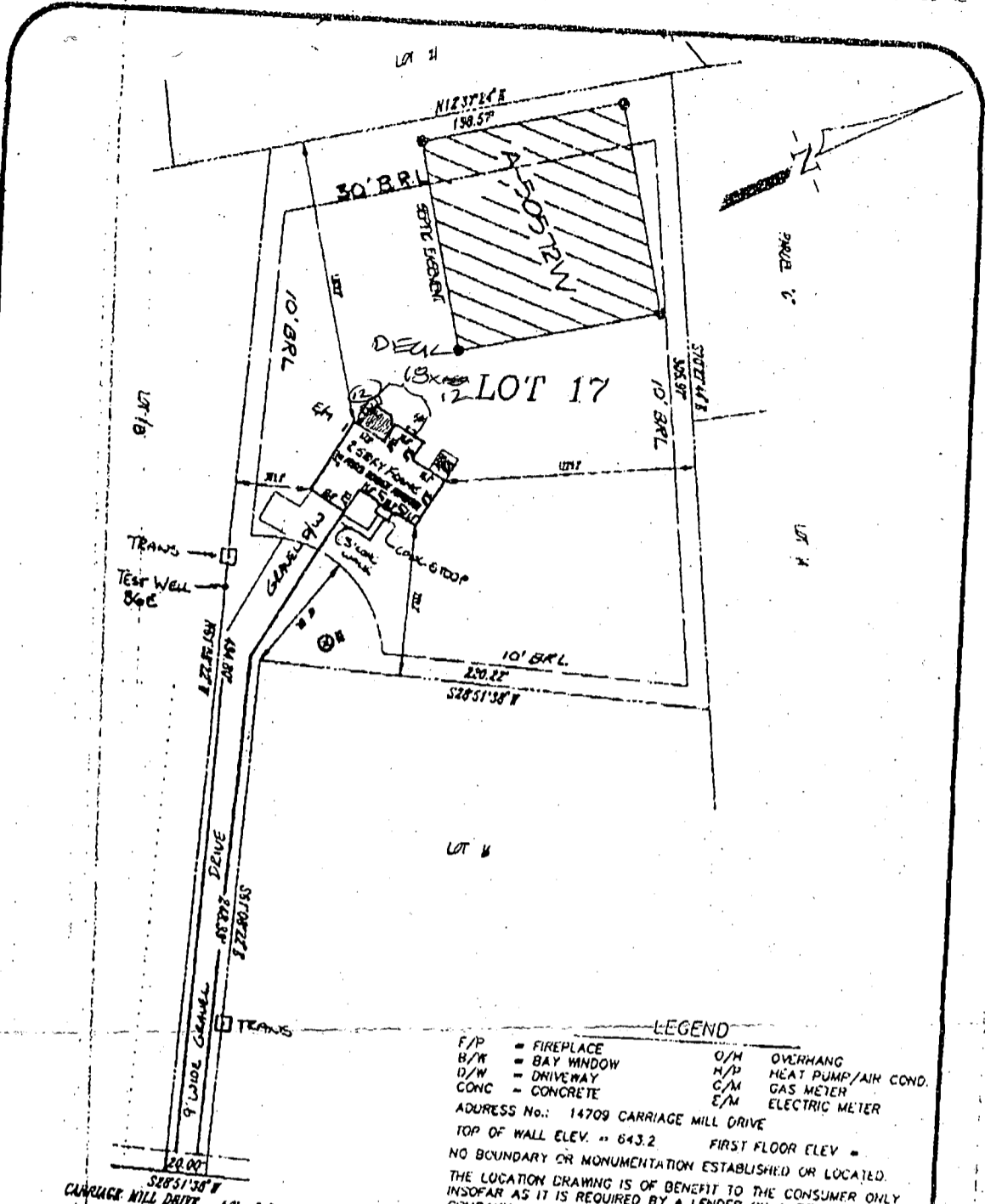
Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER 54 G A P 63
FORCE KM WRITE INITIALS IN BOX PERMIT No. HO-94-1193
67 68 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. wells
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 790 2
N 540 3



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

7/9/01
30030105
be back will
as 9.0' septic
shown
AWE melle



LOT 17
CARRIAGE MILL FARMS
 PHASE 1
 PLAT No. 12212
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

LEGEND
 F/P = FIREPLACE
 B/W = BAY WINDOW
 D/W = DRIVEWAY
 CONC = CONCRETE
 O/H = OVERHANG
 H/P = HEAT PUMP/AIR COND.
 G/M = GAS METER
 E/M = ELECTRIC METER

ADDRESS No.: 14709 CARRIAGE MILL DRIVE
 TOP OF WALL ELEV. = 643.2 FIRST FLOOR ELEV. =
 NO BOUNDARY OR MONUMENTATION ESTABLISHED OR LOCATED.
 THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY
 INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE
 COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED
 TRANSFER, FINANCING OR REFINANCING.
 THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ES-
 TABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR
 OTHER EXISTING OR FUTURE IMPROVEMENTS;
 AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE
 ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT
 SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER
 OF TITLE OR SECURING FINANCING OR REFINANCING.
 FLOOD INSURANCE RATE MAP (FIRM) FLOOD ZONE "C"
 AREA OF MINIMAL FLOODING
 PER COMMUNITY PANEL NUMBER 240044 0008 B
 FOR TITLE PURPOSES ONLY - NO TITLE REPORT FURNISHED
 SUBJECT TO ALL EASEMENTS AND RIGHTS OF WAY OF RECORD

LOCATION DRAWING

FOUNDATION	DATE: 3/21/97
FINAL	DATE: 11-04-97
DRAWN BY: AWC	SCALE: 1"=60'
PROJECT No.	95505.00



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