

4/8 5/10/94  
early AM - 2 open trench lay lot  
5/12/94  
APM

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50009  
A 49706

DISTRICT 2nd

DATE 5/4/94

DATE SYSTEM APPROVED 5/12/94

INSPECTOR M. Rifkin

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXX~~ 313-2640

INDEXED  
02-340100

Cumberland & Company, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 16391 A. E. Mullinix Road, Woodbine, Maryland 21797 PHONE 854-6838

SUBDIVISION Burleigh Manor LOT 719 ROAD 10409 Kingsbridge Road

PROPERTY OWNER Thomas & Carol Jenkins Bundhit Limpawuchara

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 2000 GALLONS

NUMBER OF BEDROOMS 6

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 360

TRENCHES - Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 5 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the rear left lot corner, place the distribution box 140 feet down the rear (160.00') lot line and 110 feet off the same lot line. Run trenches for the first system on contour toward left lot line. \*\* MAINTAIN MINIMUM OF 100 FEET FROM WELL TO ALL PARTS OF THE SEPTIC SYSTEM.

NOTES - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK MR. 12/2/93

PLANS APPROVED BY Jane Nadeau/Mark Rifkin REVISED \_\_\_\_\_ DATE 11/05/93

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

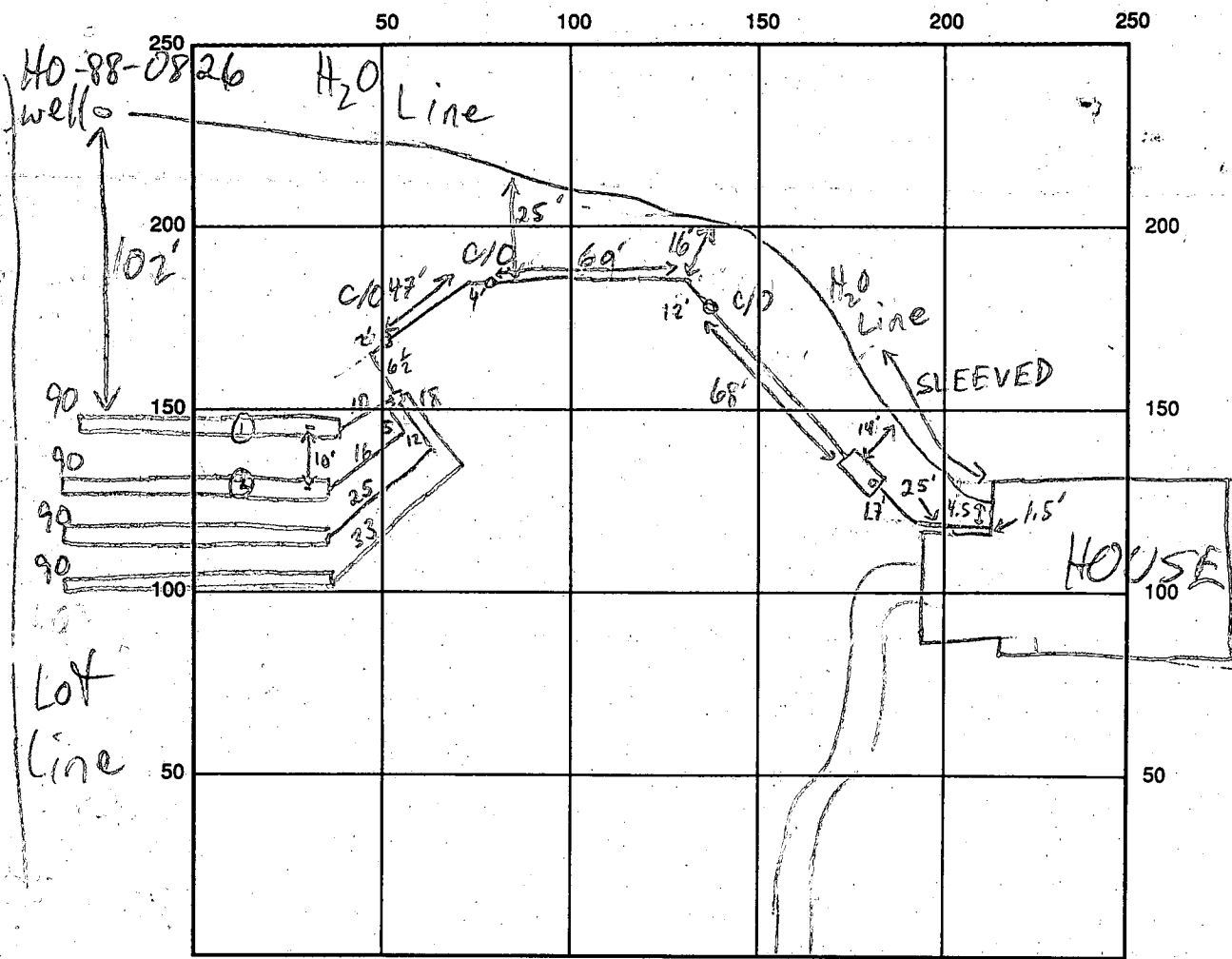
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

BLDG. PERMIT SIGNED  
AND RETURNED 8/13/94  
Serial # 55861

A  
49706



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 2000 GAL - OK CLEANOUTS S.T. & 3 INLINE - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 1 1/2 1 3/4 1 9/16 FT. TRENCH WIDTH 2 FT. INLET DEPTH 1 1/2 1 3/4 1 9/16 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 1 3/4 1 9/16 FT. TOTAL LENGTH 0 90 3 90 4 90 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 4 @ 360 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 1440 SQ. FT.

REMARKS: 5/4/94 VERIFIED SPECS w/ CONTRACTOR - OK TO START MR  
5/10/94 OK TO STONE ① & ②, DIG ③ & ④ MR  
5/12/94 OK TO COVER ALL MR

DATE SYSTEM APPROVED 5/12/94 INSPECTOR M. Rifkin

A- 49706 (Re-perc)  
A 41166 10/29/93

SUBDIVISION: Burleigh Manor  
Kingsbridge Rd

LOT NUMBER: 719

DRY WELL OR DRY WELL AND TRENCH

	Septic Tank	Minimum Total Square Feet
3 bedroom	1000 gallon	_____ sq. ft./bedroom
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____
6 bedroom	2000 gallon	_____
Inlet _____ feet	below original grade.	
Bottom maximum depth _____ feet	below original grade.	
Effective area begins at _____ feet	below original grade.	

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

HIGHEST REPAIR: SAME SPECS TRENCHES  
SECOND REPAIR: SHALLOW SYSTEM, 4' TO 6' 240 sq. ft./bedroom

Trench to be 2.0 ft wide.  
Inlet 5.0 feet below original grade.  
Bottom maximum depth 9.0 feet below original grade.  
Effective area begins at 5.0 feet below original grade.  
4.0 feet of stone below distribution pipe.

~~Use 125 ft long trenches for 1st system~~  
60 LINEAR FT/BR  
360 LINEAR FT

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required. PER 6BR
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed. REVISED 11/5/93
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell. MR
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: Starting from the rear left lot corner, place the distribution box 140 feet down the rear (160.00') lot line and 110 feet off the same lot line. Run trenches for the first system on contour toward left lot line.

\* MAINTAIN MINIMUM OF 100' FROM WELL TO ALL PARTS OF THE SEPTIC SYSTEM 1/4" (530.98') lot line, maintaining a minimum of 100' feet to all surrounding wells.

HD-191 11-9-93 JEN SPECS REVISED FOR PUMP SYSTEM  
SAME SPECS EXCEPT TOP SEAM TANK & PUMP PIT & 4000 GAL CAPACITY PUMP PIT WITH DUAL EFFICIENT PUMPS & ALARMS  
CONTRACTOR TO SUPPLY PUMP DETAIL PRIOR TO ISSUANCE OF SEPTIC PERMIT  
11-16-11-1993/AN

11/6/92

# APPLICATION

PERCOLATION TESTING

A 4/1166  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

*PROBLEM OK,  
TESTING REQUEST  
TO RESOLVE CERTAIN  
INCONSISTENCIES  
IN ORIGINAL TEST NOTES,  
10/29/92 CW*

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 ~~Thomas + Carol Leathers~~ Bundhit Limpawachara

ADDRESS 4265 Red Branch Way PHONE 997-7067

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Burligh Manor LOT NO. 719

ROAD AND DESCRIPTION 10409 Kingsbridge Road

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. Recheck of failed  
(SINGLE FAMILY DWELLING OR COMMERCIAL)  
holes

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 JNadeau / cw. FOR SHALLOW TRENCHES DATE 11/6/92

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 11-6-92 OK to use SDA defined by perc  
holes 2, 3, 7 & 8, JNadeau (SAME AS CURRENTLY PLATED EXHIBIT)

BLDG. PERMIT SIGNED  
AND RETURNED 11/30/92  
Serial # 46145-SFD-4Bis.

## THIS IS NOT A PERMIT

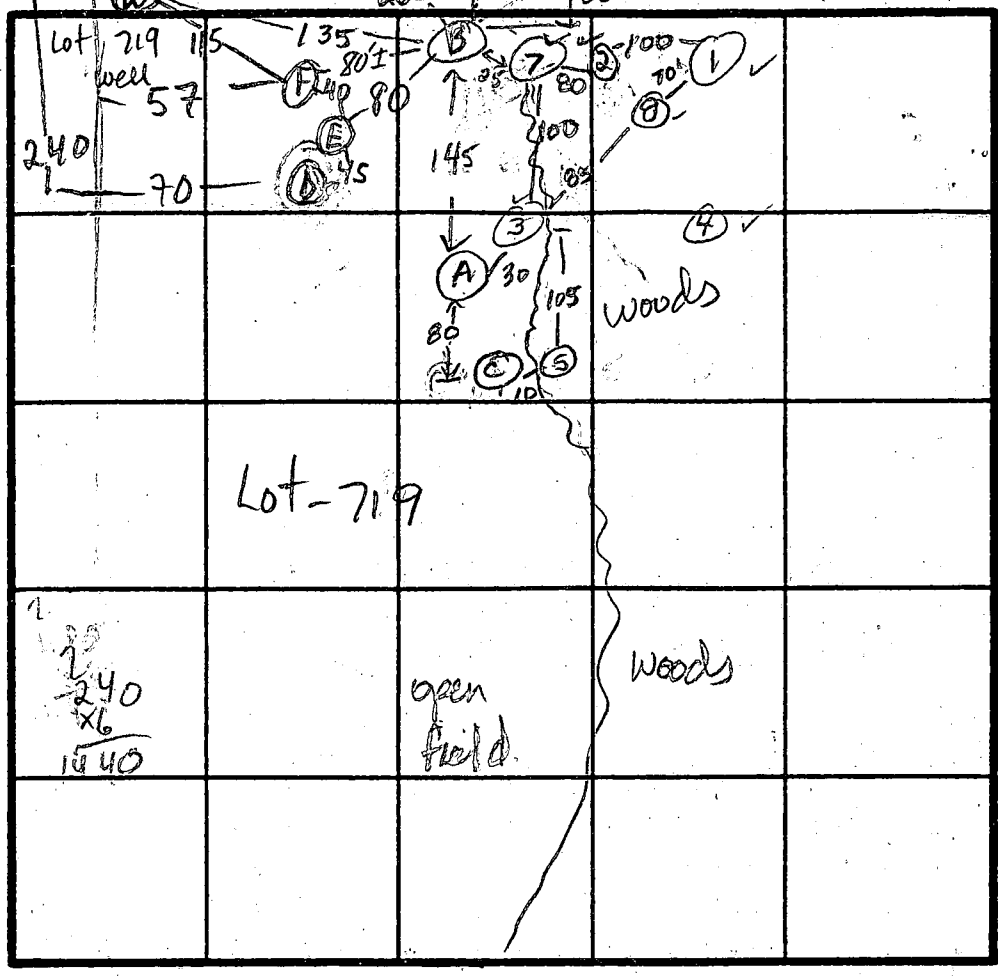
HD-216

LOT COR. FOUND HO-88-0826 72' HO-88-0756 1145 205' 132' 185' Lot Line 707/719

A 41166

(B) (F)  
SOIL PROFILE

0-5.0 Red br s1 c loam  
5.0-13.0 Red-tan s s1 lm  
L5% rock frags  
13.0 Bottom



0-2 dk br s1 c loam  
2-4.5 yellow-green s c loam  
4.5-9.0 gray s1 clay  
9.0 - Brown  
16.0 mottled s s1 lm with white pegmatite lenses  
Water at 12.0 ft  
16.0 Bottom

(D) (E)

FILL TOPSOIL  
brn cl  
cl lm

6-7'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Kingsbridge Road

(A)  
0-6.0 Br s1 c loam  
6.0-14.0 Br-red s s1 lm, traces of white damp pegmatite lenses at bottom  
6.0' Gray mottles at clay interface  
14.0 Bottom Damp No water observed

DATE	TEST NO.	DEPTH	PRE/WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-6-92	A	14.0 ✓	Mottles at 6.0 ft, damp at 14.0 ft				Failed
	B	13.0 ✓	Uniform soils below 5.0 ft				ok
	C	16.0 ✓	Clay to 9.0 ft w/ mottles at 9.0 ft and below. Water at 12.0 ft				Failed
10/29/92	DV	6 ✓	CLAY	TO	6'±	FAIL	
	ES	6½-7'	10:32	10:49	½"±	FAIL	
	ES	6½	11:05	11:10	11:10	11:17	7 min
	FV	12	Sim to (B) clay		to 5-5½'		
Insp: MR also present: Mr. Lim, C.C. Cisse							

REMARKS Adjust SDA as high as possible. Keep trench bottom at 6.0 ft

TYPE OF SOIL \_\_\_\_\_

TESTED BY Jane E. Nadeau ALSO PRESENT Fred Weaver Contractor

# APPLICATION

*Rec'd  
3/31/88  
9:30 AM  
JACK FROE*

PERCOLATION TESTING

A 41166

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 5TH

DATE 3-7-88

2 Holes Required

TO: THE COUNTY HEALTH OFFICER  
ELLCOTT CITY, MARYLAND

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

PROPERTY OWNER Stewart J. Greenbaum  
Gerald M. Katz, Trustee c/o Whitman, Reguardt and Associates

ADDRESS 2315 Saint Paul St., Baltimore, MD 21218 PHONE 484-8470  
301-235-3450

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. 719 (old lot # 44)

ROAD AND DESCRIPTION 10409 Kingsbridge Road  
West of the intersection of Centennial Lane & Old Annapolis Rd.

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 acre TYPE BLDG single family dwelling  
(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)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

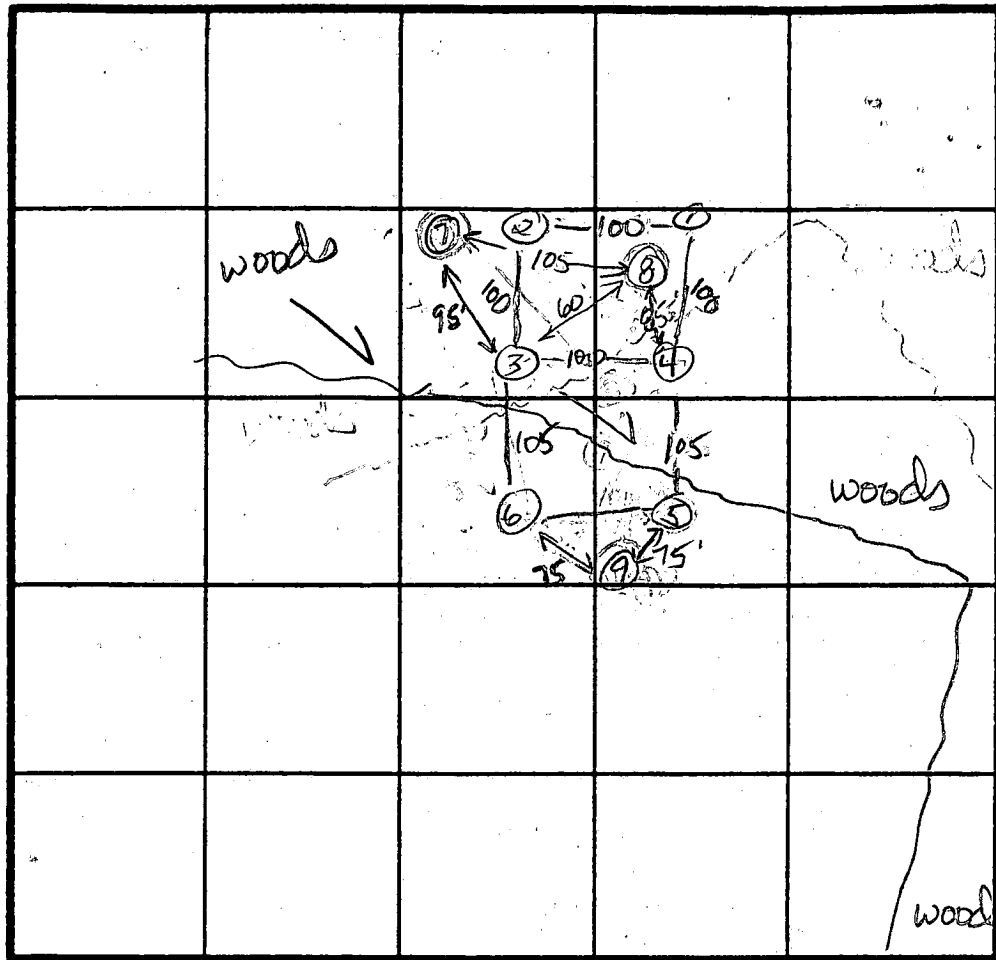
BLDG. PERMIT SIGNED  
AND RETURNED 8/14/89  
Serial # 28322  
SFD - 5 Bedroom

HD-216

# THIS IS NOT A PERMIT

⑦  
SOIL PROFILE

0-6.5 Red-brn si clay, little quartz layer at 6.0 ft, <10% rock  
6.5-11.0 Brown sandy silty loam, <15% saprolite  
11.0 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

⑧  
0-3 Br si clay loam  
3-5 Red-brn si clay  
5-12.0 Brown to tan sandy silty loam, <5% saprolite  
12.0 Bottom

⑨  
0-7.0 Red-brn si clay  
7.0-7.5 Tan sandy loam  
7.5 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-31-88	⑨	7.5 V (see profile)					Failed

REMARKS \_\_\_\_\_  
TYPE OF SOIL \_\_\_\_\_  
TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

30  
24  
120  
50  
2  
100  
24  
11  
2  
27

# APPLICATION

PERCOLATION TESTING

A 38552  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT \_\_\_\_\_  
DATE 1-28-87

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 Gerald M. Katz, Trustee c/o Whitman, Requardt and Associates

ADDRESS 2315 Saint Paul Street, Baltimore, MD 21218 PHONE (301) 235-3450

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

*LOT 719 on Prelim*

SUBDIVISION Burleigh Manor Section 2 LOT NO. 4A

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 Ac. TYPE BLDG. Single Family Dwelling  
(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)

APPROVED BY B Nyfen FOR Deep system DATE 2/5/88

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

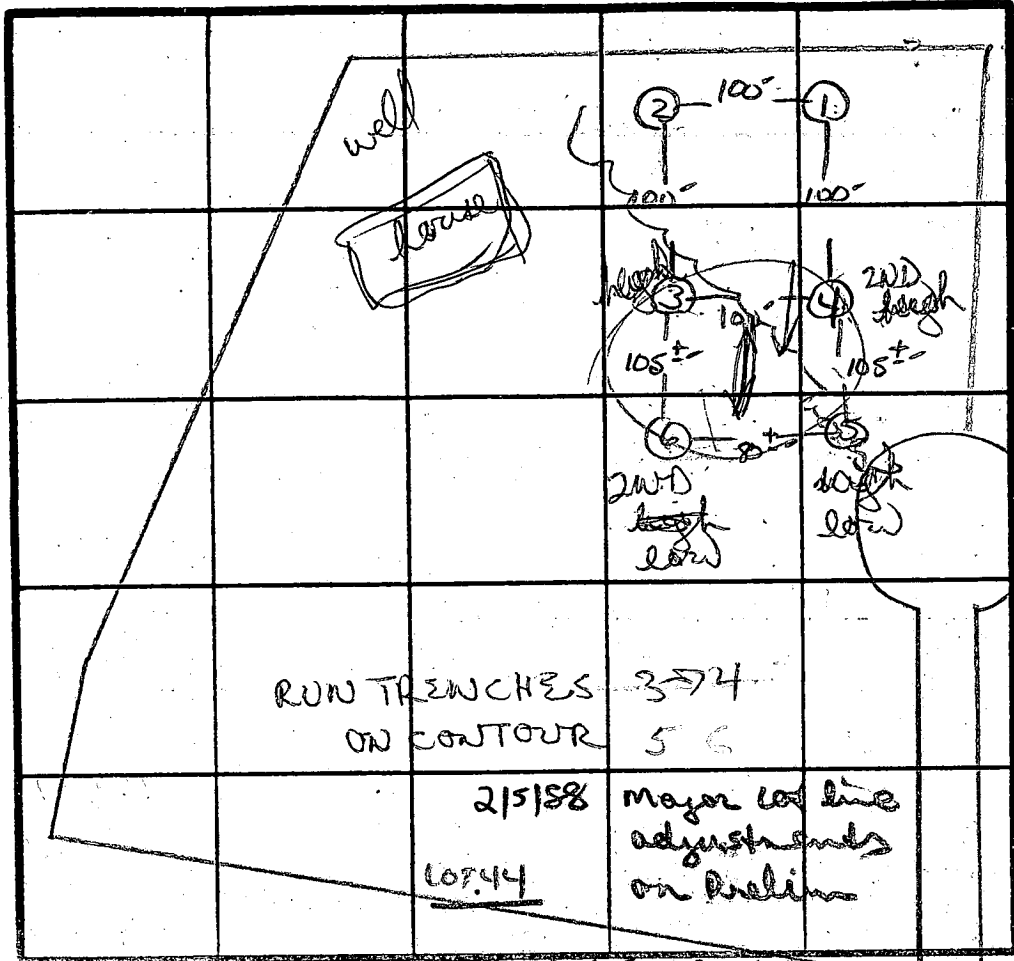
REASONS FOR REJECTION OR HOLDING 3-27-87 Puc satisfactory; Hold for subdivision plat.  
J. Aune 7-15-87 Reply to increase  $\phi$  TO MAKE 2 LOTS SATISFACTORY  
Hold for PCAT S. Aune

# THIS IS NOT A PERMIT

Holes 1+2 on Lot 43 Prelim

① ② ④  
SOIL PROFILE

0-4"	A1-3 RED SILT LOAM 15% CLAY FEW SMALL STONES 10-20% FRAGS
4"-6"	Yellow (Brown) SANDY SILT LOAM 15-25% FRAGS.
6"-12-13"	



X PERC 23MIN  
23S @ BK  
FALET 5'  
BOTTOM 9'

INDICATE NORTH SIDE OF ROAD AS ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/27/87	1 S	4.5	11:35	11:49	11:49	12:20	31 MIN
	1 V	12.5	UNIFORM	soil below 6"			
	2 S	5"	11:40	11:55	11:55	12:20	25 MIN
	2 M	8"	11:41	11:44	11:44	11:49	5 MIN
	3 S	5"	11:49	12:10	12:10	12:40	30 MIN
	3 V	13" UNIFORM	soil below 4.5"				
	4 S	6"	11:58	12:08	12:08	12:25	17 MIN
	4 V	13"	UNIFORM	soil below 6"			
	2 V	12.5	UNIFORM	soil below 6"			
7/15/87	5 S	13"	UNIFORM	soil below 5.5"			
	5 V	13"	UNIFORM	soil below 5.5"			
	6 S	5"	10:50	11:00	11:00	11:21	21 MIN
	6 V	12"	UNIFORM	soil below 5"			
3/31/88	⑦	11.0 V	(see profile)				Failed
	⑧	6.0 S	2:08	2:19	1/25 inch	2:20	Failed
	↓	12.0 D	Bottom (see profile)				

REMARKS: Holes Per PAT  
 TYPE OF SOIL: Chert  
 TESTED BY: S. Abel  
 ALSO PRESENT: Bill, Bill, Rocky, Joel

EH-12-1079

B 1 **5650** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

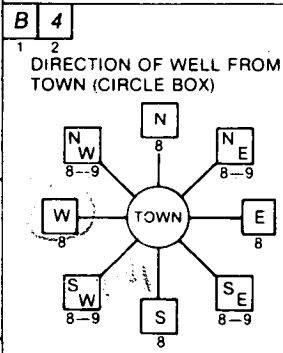
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HD-88-0826**  
 fill in this form completely

Date Received (APA) **052389**  
 OWNER INFORMATION  
**GREENBAUM** Hoss ASS.  
**1770** Reisterstown RD  
**BALTIMORE** MD **21208**

B 3 LOCATION OF WELL  
 COUNTY **HOWARD**  
 SUBDIVISION **RIVERIDGE MANOR**  
 SECTION **2** LOT **719**  
 NEAREST TOWN **FALLICOTT CITY**  
 MILES FROM TOWN **3 1/2** MI

DRILLER INFORMATION  
 Driller's Name **Joseph L. Mayne** License No. **238**  
 Firm Name **Joseph L. Mayne Well Drilling**  
 Address **5512 Kildee Rd. Mt. Airy 21771**  
 Signature **Joseph L. Mayne** Date **7/2/89**



**Kingstonside Rd.**  
 NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH [ ] WEST [ ] EAST [ ] SOUTH [ ]  
 DISTANCE FROM ROAD **470**  
 ENTER FT or MI **FT**

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 HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

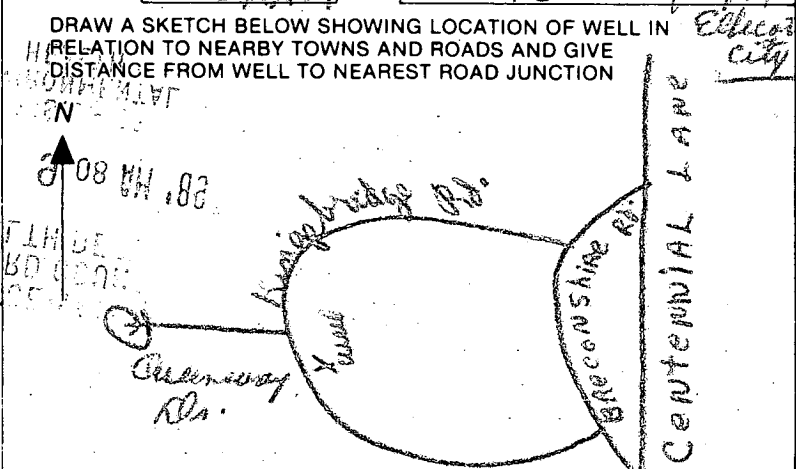
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 COUNTY NAME **Howard** COUNTY NO. **A41166**  
 STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
 DATE ISSUED **70589** CO SIGNATURE **Mark P. Dillen** EXP. DATE **1/5/90**  
 NORTH GRID **519000** EAST GRID **0834000**

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 \_\_\_\_\_

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. **well**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 N **834**  
 E **5219**  
 000 000  
**WAGOK 7/10/89**

REPLACEMENT OR DEEPEINED 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  
 THIS WELL WILL DEEPEIN AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) \_\_\_\_\_



Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **MR** WRITE INITIALS IN BOX PERMIT No. **HD-88-0826**

SPECIAL CONDITIONS \_\_\_\_\_  
 COUNTY \_\_\_\_\_

C1 0096

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 41166

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED 07/10/89

Depth of Well 105 (TO NEAREST FOOT)

PERMIT NO. H0-88-DE-26

OWNER Greenbaum & Assoc last name Kingsbridge first name TOWN Ellicott City SUBDIVISION BURL EIGH MANOR SECTION LOT 719

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 handwritten entries: SAND stone, Gray Mich Rock, 0 to 62, 62 to 105.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

NO. OF BAGS 14 NO. OF POUNDS 1316 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 ft.

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

MAIN CASING TYPE St Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 68

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

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

DEPTH (nearest ft.) grid with handwritten values: 40, 16, 105. SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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.

DRILLERS IDENT. NO. 235

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

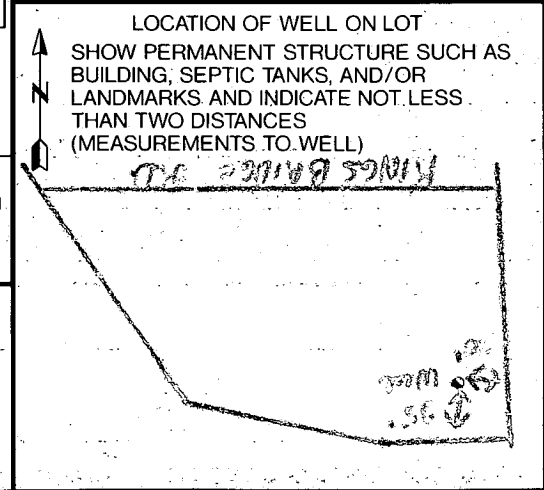
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 20 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 25 WHEN PUMPING 26 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE 2 (nearest foot)



Please give blank copy to  
plumber.

Thank you

55-94  
PM

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 X  
Replacement \_\_\_\_\_

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_

Name of Installer Cumberland Company, Inc

Telephone 854-6838

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

Name of Property Owner Bundhit Limpawichara ~~Thomas & Carol Jenkins~~ Telephone \_\_\_\_\_

Subdivision Burleigh Manor Lot # 719 Well Tag # HD-88-0826

Site Address 10409 Kingsbridge Road

Pump

1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible \_\_\_\_\_
2. Make \_\_\_\_\_
3. Model # \_\_\_\_\_
4. Capacity \_\_\_\_\_ 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 \_\_\_\_\_
2. RPM \_\_\_\_\_
3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220 \_\_\_\_\_

Pitless Adapter

1. Make \_\_\_\_\_
2. Model # \_\_\_\_\_
3. Depth \_\_\_\_\_

Tank

1. Capacity \_\_\_\_\_
2. Pressure relief valve? \_\_\_\_\_

Piping

1. Type \_\_\_\_\_
2. Size \_\_\_\_\_
3. NSF and/or BOCA Code approved \_\_\_\_\_
4. Depth of supply line \_\_\_\_\_

Well data

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

WELL LINE IS SLEEVED AT LEAST AS FAR AS S.T. REST OF LINE OK TO COVER

4 1/2" B.G. MR. S/S/94

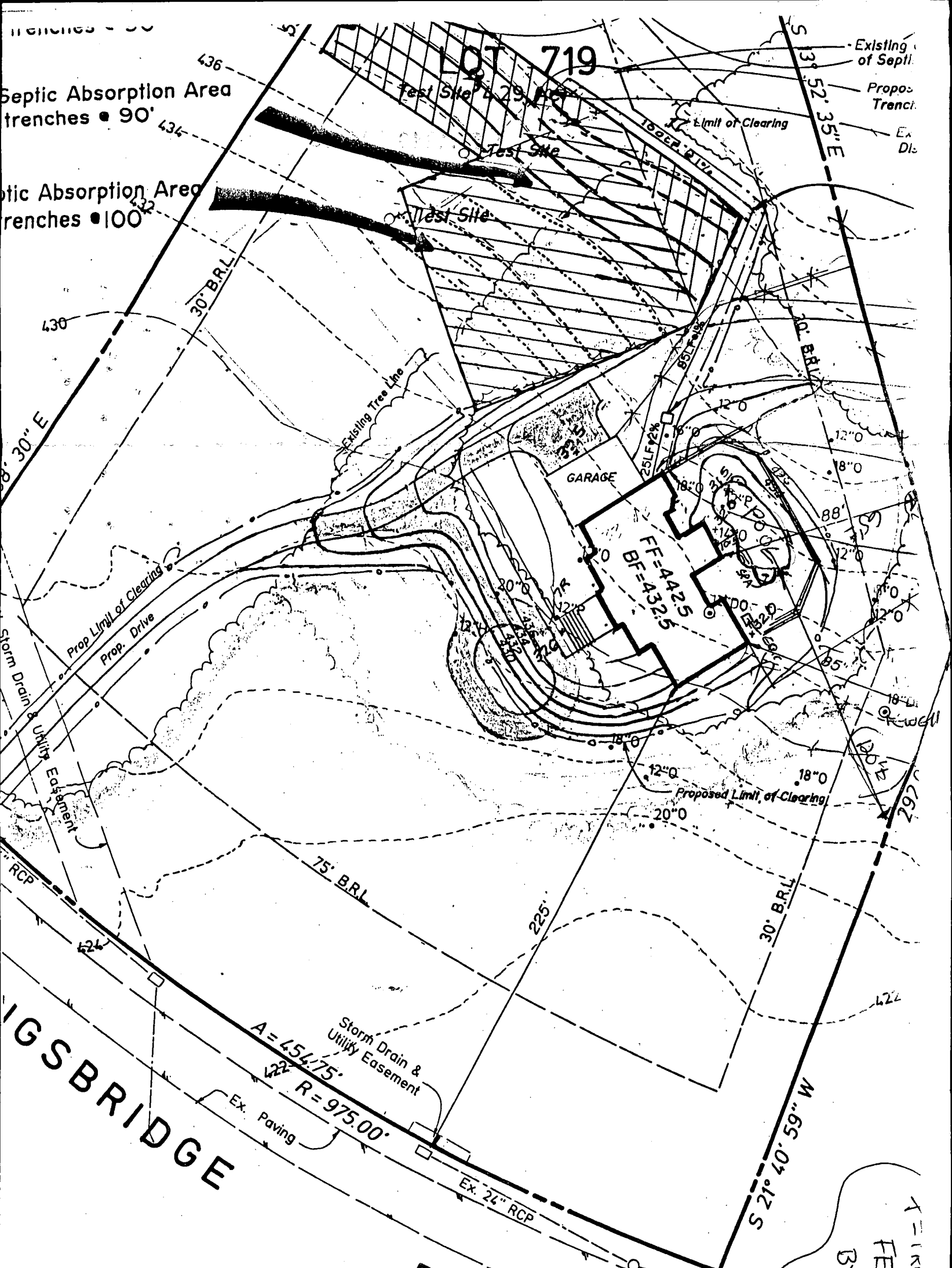
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

Signature of Applicant: \_\_\_\_\_

Date: \_\_\_\_\_

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



Septic Absorption Area  
trenches • 90'

Septic Absorption Area  
trenches • 100'

Existing  
of Septi.

Propos  
Trenchi.

EX  
DI.

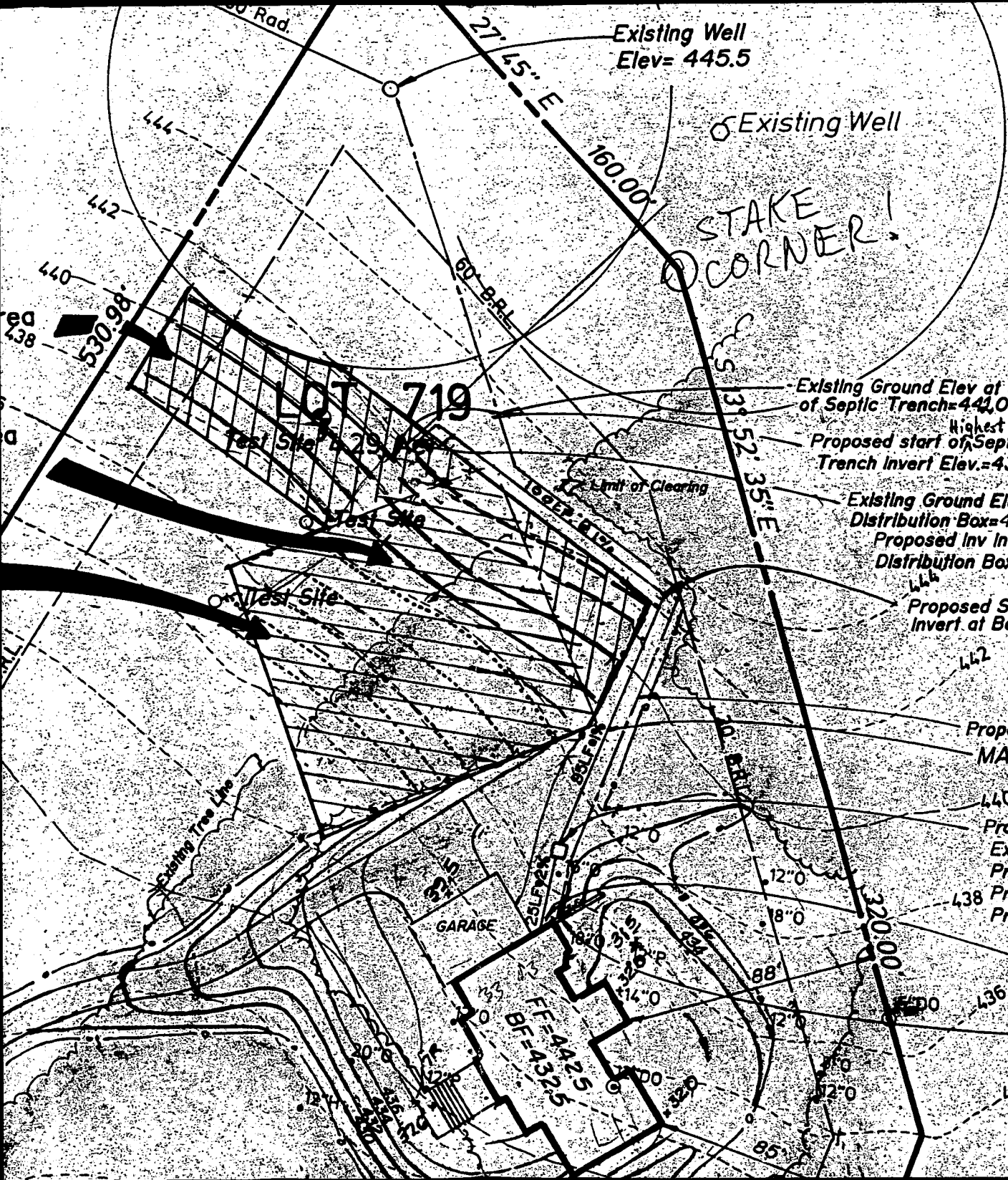
IGS BRIDGE

ROAD

A=110000000 FENCE  
BY OWNER

8/12/94  
Proposed location  
of pool has no impact  
to existing well OR  
septic - OK to proceed.

Andy McMullen



INSTALLER'S COPY

BP 46145 (signed 11/30/92)  
 Re-activated 11/5/93  
 REVISED PLAN & ELEVATIONS OK  
 MR 11/5/93

MINIMUM 18" FINISHED COVER

NOTES

w/REVISED SITE PLAN  
**PERMIT RE-ACTIVATED** 11/5/93 MR

APPLICATION

HOWARD COUNTY

SERIAL NUMBER

46145

**PERMIT APPLICATION**

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT  
 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

10409 Kingsbridge Rd  
 ELLICOTT CITY MD 21042

GRADING/SEDIMENT CONTROL  YES  NO

DESCRIPTION OF WORK AUTHORIZED

4 Bedroom, 4 bath, 2 1/2 bath ALL  
 BRICK two story single family  
 dwelling w/ attached 3 car  
 garage

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
719	766			19		

SUB DIVISION	ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.
Burleigh Manor	R020	23	2	602301

OWNER NAME AND ADDRESS  
 Thomas + Carol Jenkins  
 4265 Red Bandana Way  
 Same Ellieott City MD 21042

PHONE NO.

997-7067

OCCUPANT'S NAME AND ADDRESS

Same

PHONE NO.

ARCHITECT OR ENGINEER'S NAME AND ADDRESS

N/A

PHONE NO.

CONTRACTOR'S NAME AND ADDRESS

C.J. Holmes, Inc.  
 1263 Rockledge Oak Dr.  
 Ellieott City MD 21042

PHONE NO.

531-6791

EXISTING USE

Unimproved Lot

PROPOSED USE

Single Family Dwlg.

EST. CONSTRUCTION COST

4401000

LICENSE NUMBER

PERMIT FEE

UTILITIES				
WATERWELL	SEWER/SEPTIC	GAS	ELECTRICITY	TYPE OF HEAT
Well	Septic	YES		FHA GAS
				AC
				Yes

I have carefully examined and read this application and know the same is true and correct, and that in doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been complied with.

C.J. Holmes, Inc.  
 President  
 SIGNATURE  
 DATE 11-10-92

**FOR OFFICE USE ONLY**

DISTRICT IN FEET FROM RW LINE TO FRONT BUILDING LINE

SIDE YARD (DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE)

TO SIDE BUILDING LINE DISTANCE IN FEET, REAR YD. REQUIRING SET

BACK (CORNER LOT ONLY)

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

**CAUTION**  
 To be put on contractor's permit plan and not be used and displayed on the plan as a reference model.  
 The permit application must be applied for 10 weeks before it will be issued.

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING	X	
SHA	X	
SEDIMENT/GRADING		
BUILDING OFFICIAL	X	
WATER & SEWER		
HEALTH DEPT.	X 11/30/92	Craig Will
FIRE PROTECTION		
STORM WATER MGM.	X	

APPROVED

DATE

LP-69-591





Distribution of Copies:  
 White - Building Official  
 Green - Planning & Zoning

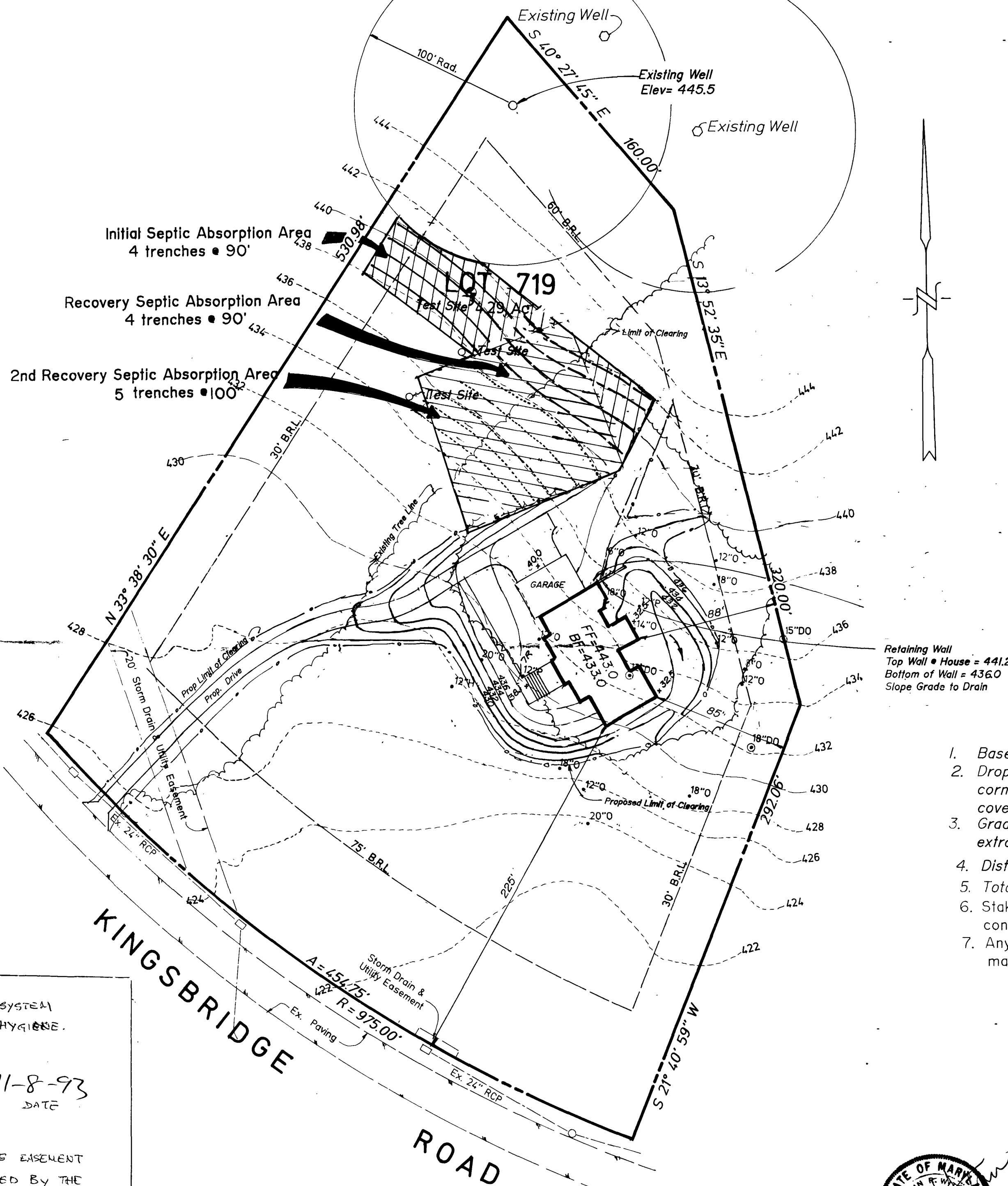
Yellow - Engineering  
 Pink - Health Dept.  
 Gold - S.H.A.

**EXISTING TREE LEGEND**

- D DEAD
- H HICKORY
- O OAK
- P POPLAR

**LEGEND**

-  Original Septic Absorption Area
-  Additional Septic Absorption Area
-  Failed Test Site
-  Approved Test Site



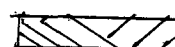
Retaining Wall  
 Top Wall • House = 441.2  
 Bottom of Wall = 436.0  
 Slope Grade to Drain

**NOTES**

1. Basement Plumbing requires ejector pump.
2. Drop from first floor to outside grade at the northeast corner of the proposed house is 1.8 foot to provide cover over septic pipe.
3. Grades for septic line are very tight, contractor must take extra care during installation.
4. Disturbed Area = 30,000 sq. ft.
5. Total septic absorption area as expanded = 15,000± sq. ft.
6. Stake limits of septic area to protect against any construction encroachment.
7. Any errors in location or elevation of the proposed house may result in pumping sewage.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM  
 DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

*Joseph M. Zyluk* 11-8-93  
 HOWARD COUNTY HEALTH OFFICER MR DATE

 THIS AREA INDICATED A PRIVATE SEWAGE EASEMENT WITH A MAXIMUM OF 15,000 SQFT. AS REQUIRED BY THE STATE OF MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL DISPOSAL.

**SEPTIC REVISION PLAN**  
 LOT 719  
**BURLEIGH MANOR**

HOWARD COUNTY, MARYLAND  
 SCALE 1" = 50' NOVEMBER, 1993

**LANIER/WITMER ASSOCIATES**  
 ENGINEERS + SURVEYORS + PLANNERS

224 NORTH ADAMS STREET  
 ROCKVILLE, MD 20850  
 (301) 251-6730

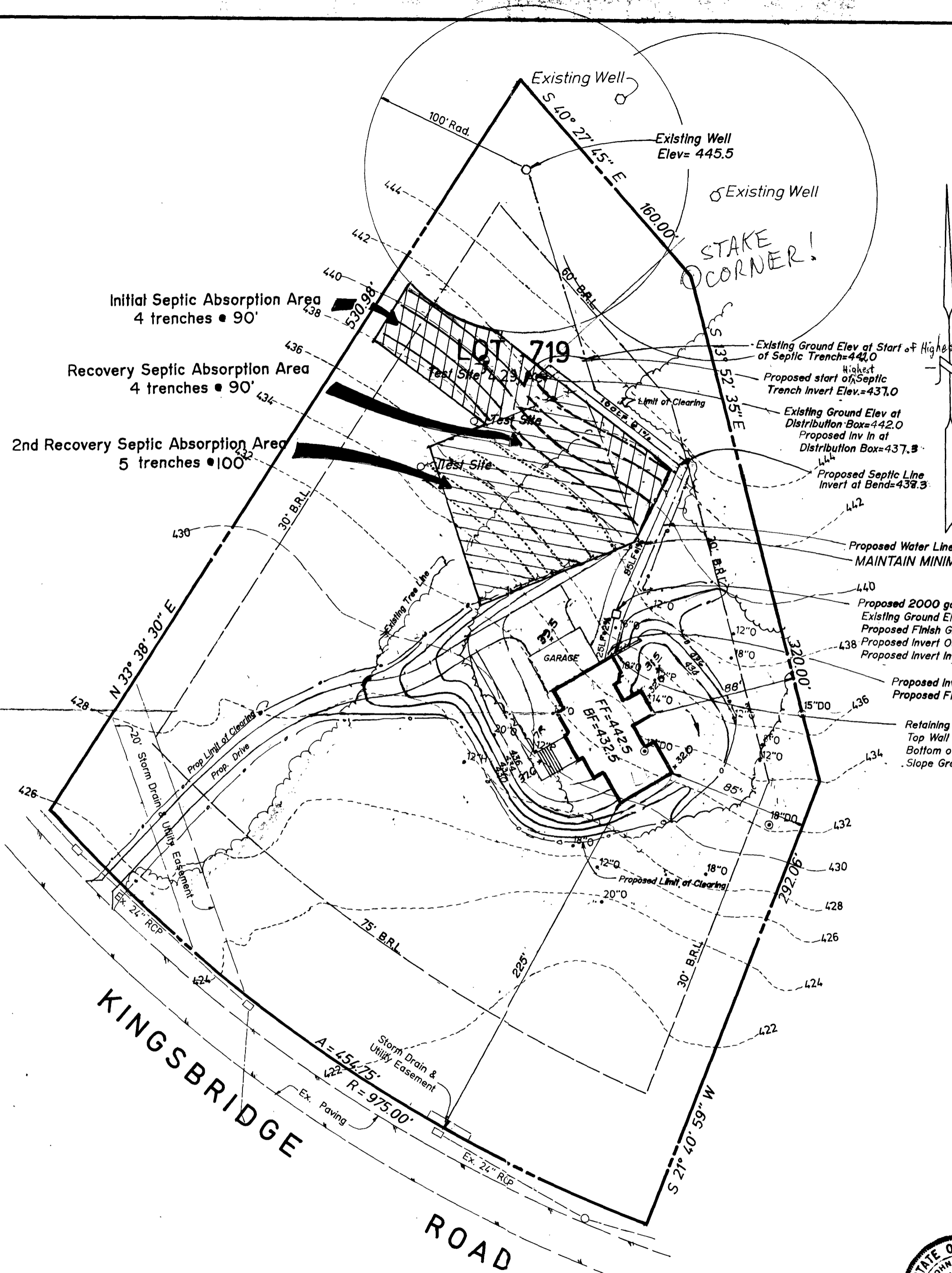


**EXISTING TREE LEGEND**

D	DEAD
H	HICKORY
O	OAK
P	POPLAR

**LEGEND**

	Original Septic Absorption Area
	Additional Septic Absorption Area
	Failed Test Site
	Approved Test Site



BP 46145 (signed 11/30/92)  
 Re-activated 11/5/93  
 REVISED PLAN & ELEVATIONS OK  
 MR 11/5/93

Proposed 2000 gallon capacity Septic Tank  
 Existing Ground Elevation at Septic Tank=436.5  
 Proposed Finish Ground Elevation at Septic Tank= ~~440.0~~ 442.2 (MINIMUM 18" FINISHED COVER)  
 Proposed Invert Out at Septic Tank=439.6  
 Proposed Invert In at Septic Tank=439.7  
 Proposed Invert of Septic Pipe at House=440.2  
 Proposed Finish Ground Elev at House=441.7  
 Retaining Wall  
 Top Wall = House = 440.7  
 Bottom of Wall = 436.0  
 Slope Grade to Drain

- NOTES**
1. Basement Plumbing requires ejector pump.
  2. Drop from first floor to outside grade at the northeast corner of the proposed house is 1.8 foot to provide cover over septic pipe.
  3. Grades for septic line are very tight, contractor must take extra care during installation.
  4. Disturbed Area = 30,000 sq. ft.
  5. Total septic absorption area as expanded = 15,000± sq. ft.
  6. Stake limits of septic area to protect against any construction encroachment.
  7. Any errors in location or elevation of the proposed house may result in pumping sewage.

**SITE DEVELOPMENT PLAN**  
 LOT 719  
**BURLEIGH MANOR**

HOWARD COUNTY, MARYLAND  
 SCALE 1" = 50' OCTOBER, 1993

LANIER/WITMER ASSOCIATES  
 ENGINEERING + SURVEYING + PLANNING  
 224 NORTH ADAMS STREET  
 ROCKVILLE, MD 20850  
 (301) 251-6730



11/02/93 - Septic design revised.  
 11/01/93 - Septic Area revised additional test sites added.  
 10/29/93 - Septic Area and Retaining Wall Revised.  
 10/27/93 - House, septic & Grading revised.  
 10/26/93 - House, Septic Layout & Grading Revised.