

PERMIT

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

P 5147A0

A 511037

ISSUE DATE 11/2/01

APPROVAL DATE 6/11/03

*11/6/01
10:00
1-17-01
PM work in progress
11/2/01
AM*

04-364759

INDEXED

Greg Ziska

IS PERMITTED TO INSTALL x ALTER

ADDRESS Mt. Airy, MD 21771 PHONE 301-831-7513

SUBDIVISION Drien LOT NUMBER A ADDRESS 1181 Long Corner Road

PROPERTY OWNER Phil Drien PROPERTY OWNER'S ADDRESS 1220 Florence Road

SEPTIC TANK CAPACITY 1250 GALLONS Mt Airy, MD 21771

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 3 **** TOP SEAMED SEPTIC TANK REQUIRED ****

SQUARE FEET PER BEDROOM 210 **3 BEDROOM HOUSE + GARAGE**

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES: Trenches to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 70 feet off the right lot line and 290 feet off the rear lot line as seen from Long Corner Road. Run trenches along contour toward the right lot line. 10/3/00 OK (BA)

PLANS APPROVED Donna K. Clark DATE 9/15/2000

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

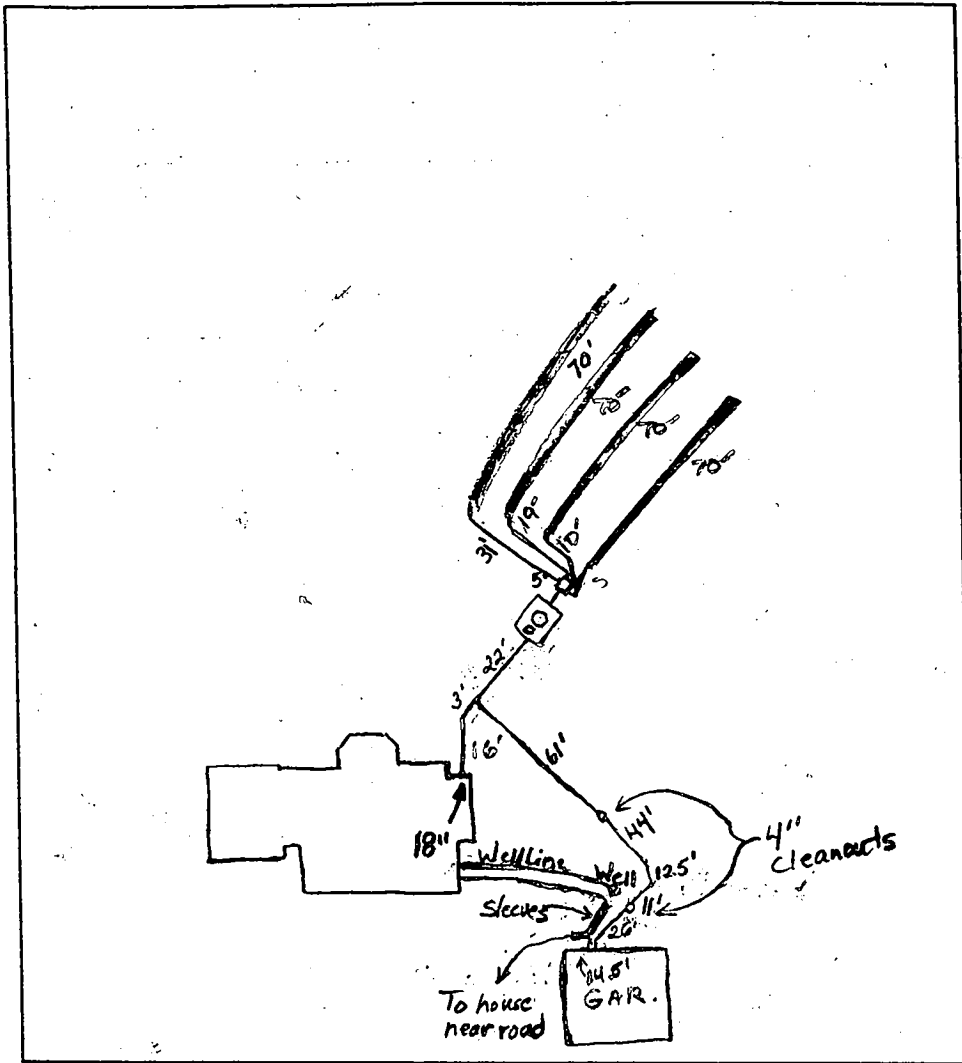
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

AS11037

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3
 TRENCH INLET DEPTH 3.5
 TRENCH BOTTOM DEPTH 5.5
 DEPTH OF STONE 2
 NUMBER OF TRENCHES 4
 TOTAL TRENCH LENGTH 280'
 ABSORBENT AREA 840 sq ft
 DISTRIBUTION BOX LEVEL Yes
 BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

SEPTIC TANK 1250 TS GALLONS
 MANHOLE RISER Yes
 6 INCH INSPECTION PORT Yes

PUMP CHAMBER DATA

~~PUMP CHAMBER GALLONS _____
 MANHOLE RISER _____
 ALARM _____
 PUMP PERFORMANCE TEST _____~~

Long Corner Road

PRE-CONSTRUCTION INSPECTION: _____

INSPECTION COMMENTS: 1/16/01 Tank set. No house connection.
1/17/01 P.M. OK to cover first three trenches and
continue. OK 1/18/01 System O.K. to cover. Final approval
when house connection made. W.P.D. O.K. Water line from house near
road will have to be disconnected from source and destination before 140 (BB)
6-11-03 Phil Driscoll stopped in office - said plumbing inspection
OK and that house conn made (WS. KN)
 INSPECTOR Karee Noonan DATE SYSTEM APPROVED 6-11-03

MULLINEX
809/165

S 74° 39' 33" W

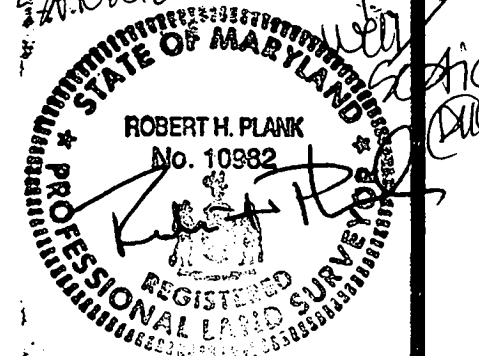
303.38

SNYDER
1719/641

BUILDABLE PRESERVATION
PARCEL A
3.7677 AC. ±

ROBBINS
1007/263

1/12/01
House has
been shifted
30± closer to
right lot line and
15± further from
151.56' lot line.
Should not impact



01-10-01

WALL CHECK
BUILDABLE PRESERVATION
PARCEL A
1175 LONG CORNER RD.
MOUNT AIRY
ELECTION DISTRICT NS 4
HOWARD COUNTY, MD.
SCALE: 1" = 60' JAN, 2001

NOTE: FOOTINGS & FOUNDATION
ARE IN PLACE



SCHWARTZBACK
2433/001

450.97'

30' BRL

97'

503° 05' 58" E

N 87° 39' 13" E
151.56'

DRIEU SUBD
LOT 1

POURED CONCRETE
FOUNDATION

EX. WELL

EXIST. GARAGE

BRL

110±

S 41° 12' 07" E
70.85'

N 02° 20' 47" W
192.50'

N 02° 20' 47" W
749.57'

24 USE-IN-COMMON
DRIVEWAY ESMT.

N.T.S.

LONG CORNER ROAD
(60' R/W)

88.86'
N 79° 47' 05" E

I CERTIFY THIS PLAN TO BE CORRECT. IT IS THE RESULT
OF AN ACTUAL FIELD SURVEY BASED ON DATA FOUND AMONG
THE LAND RECORDS OF HOWARD COUNTY,
MARYLAND, AS REFERENCED HEREON.

 NASSAUX-HEMSLEY, INC.

204 S. MAIN STREET
MOUNT AIRY, MARYLAND 21771
(301) 829-2295

REFERENCE	JOB NO.
PLAN 11893	008Y 5100

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Owner/Builder Insura Telephone #: _____
Address: _____

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Phil Drien License# _____

***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: Phil Drien Telephone #: 240-375-4758
Subdivision: Drien Lot #: 2 Well Tag #: HO-94-2094
Site Address: 1181 Long Corner Road
MT. Airy, MD 21771

Submersible Pump Data

Make: FLO-TEC
Model #: FP9232
Pump Capacity 10 GPM
Well Yield: 2 GPM

Pitless Adapter

Make: FLO-TEC
Model #: A1014B
Depth: 42" (36" min)
NSF approved: YES

Well Cap and Electric Conduit

Two piece watertight cap: YES
Screened, vented well cap: NO
Cap secured to casing: YES
Conduit min 18" B.G.: YES
Conduit secured to well cap: YES

Depth of well encountered at time of pump installation: 385 (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house

Type: Black Poly
PSI: 200 (160 psi min) "
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 12"
Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation _____ date _____

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____ Date Insp. Approved: 11/18/91

- Inspection Data: Pitless adapter and water supply line at least 36" below grade
- Two piece cap installed and attached to casing securely
- Elec. conduit extends at least 18" below grade/attached to cap properly
- Safety rope installed inside of well casing
- Correct well tag attached properly and casing 8" above finished grade
- Water supply line sleeved adequately at house connection
- Adequate grout observed below pitless adapter

SRK
11/18/91
6/16/03
BB
} SEE & ATTACHED NOTE

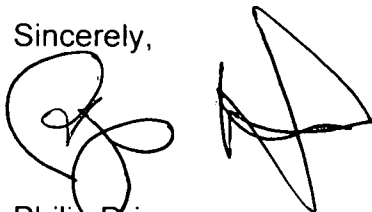
June 12, 2003

Howard County Health Dept.

To Whom It May Concern,

I am writing this letter to inform the Howard County Health Dept. about the water line and electric from my house to the well casing. I am the owner/builder and take full responsibility for the work performed. I did not know that these had to be inspected. The water line is 42" deep, using Charter 200 psi, polypipe. The electric is ¾ PVC conduit from the house to the well cap. The wire is pulled through with separate ground wire.

Sincerely,

A handwritten signature in black ink, appearing to read 'Philip Drieu'. The signature is stylized with large loops and a long horizontal stroke at the end.

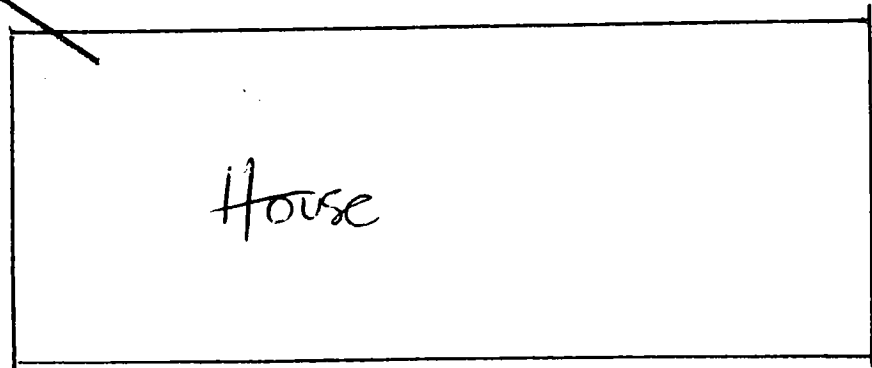
Philip Drieu
1181 Long Corner Rd.
Mt. Airy, MD 21771
Cell # 240-375-4753
Work # 301-881-2121

1181 Long Corner Ford

* Diagram Showing
Trench Location / Water Line
Electric Line from House

well

42" Deep
1" 200psi Well Pipe
3/4 PVC Electric to Well Cap
#8 Grounds



House

C 1 9606

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 511037

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94 2084

OWNER Drien Philip STREET OR RFD long corner rd TOWN H AIN SUBDIVISION Chestnut Hills SECTION LOT 2

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown Shale, Brown Slate, Blue Slate, Brown Slate, Blue Slate.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS 6, NO. OF POUNDS 600, GALLONS OF WATER 36, DEPTH OF GROUT SEAL 0 to 20 ft.

CASING RECORD: MAIN CASING TYPE PL, Nominal diameter 6, Total depth 22. Includes checkboxes for steel, concrete, plastic, other.

SCREEN RECORD: screen type or open hole (HO), insert appropriate code below. Includes checkboxes for steel, brass, bronze, plastic, open hole, other.

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: YES (Y), NO (N).

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted).

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...

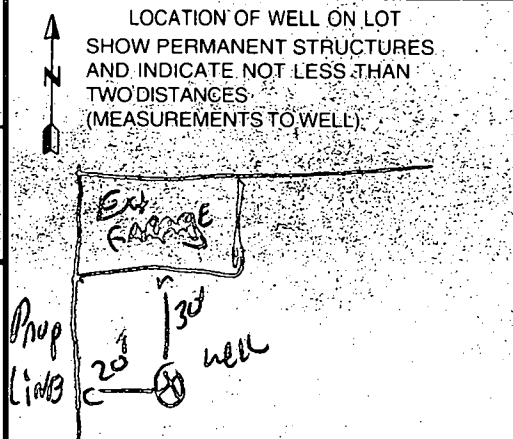
DRILLERS LIC. NO. MS D 116. DRILLERS SIGNATURE: [Signature]. LIC. NO. MS D 112. SITE SUPERVISOR: [Signature]

DEPTH (nearest ft.): HO 20 385. SLOT SIZE 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH) 56 to 60.

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.

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 2 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 20 ft. before, 155 ft. when pumping.

PUMP INSTALLED: DRILLER INSTALLED PUMP YES (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY GALLONS PER MINUTE 31 to 35. PUMP HORSE POWER 37 to 41. PUMP COLUMN LENGTH 43 to 47. CASING HEIGHT (+) above, (-) below. LAND SURFACE (2) (nearest foot).



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2084
 Location of property (road) Long Corner Road
 Subdivision Chestnut Hills Lot 2 Block _____ Plat _____ Sec. _____
 Well Driller R. Mayne Owner Diell

Depth of well 385'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 20'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 12 GPM
 Total time 30 min to reach pumping water level 155' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill <u>5</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	155 ft	30 Sec		2 GPM
8:15	155 ft	30 Sec	22" casing	2 GPM
8:30	155 ft	30 Sec	20" open	2 GPM
8:45	155 "	30 "	6 BAGS	2 "
9:00	155 "	30 "		2 "
9:15	155 "	30 "		2 "
9:30	155 ft	30 Sec		2 GPM
9:45	155 ft	30 Sec		2 GPM
10:00	155 ft	30 Sec		2 GPM
10:15	155 "	30 "		2 "
10:30	155 "	30 "		2 "
10:45	155 "	30 "		2 "
11:00	155 ft	30 Sec		2 GPM
11:15	155 ft	30 Sec		2 GPM
11:30	155 ft	30 Sec		2 GPM
11:45	155 "	30 "		2 "
12:00	155 "	30 "		2 "
12:15	155 "	30 "		2 "
12:30	155 ft	30 Sec		2 GPM
12:45	155 ft	30 Sec		2 GPM
1:00	155 ft	30 Sec		2 GPM
1:15	155 "	30 "		2 "
1:30	155 "	30 "		2 "
1:45	155 ft	30 Sec		2 GPM
HD-224 2:00	155 ft	30 Sec		2 GPM

B 1 6704

SEQUENCE NO: (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2084 fill in this form completely

Date Received (APA) 2/2/99

OWNER INFORMATION

8 DRIFU PHILIP 15 Last Name Owner First Name 34 36 1175 Long Cornor Rd Street or RFD 55 57 Mt Airy MD 21771 70 State 72 Zip 76

B 3 LOCATION OF WELL

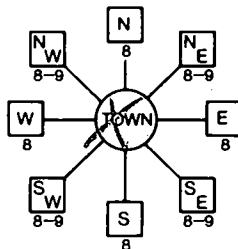
8 COUNTY Howard 21 Chestnut Hills 23 SUBDIVISION 42 SECTION 44 46 LOT 2 48 50 52 NEAREST TOWN Long Cornor 71

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

DRILLER INFORMATION

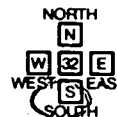
Driller's Name Ralph MAYNE MS D 16 76 License No. 81 Firm Name Ralph MAYNE Well Drilling Address 9120 Brown Church Rd Mt Airy Signature Date 1-20-99

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 Long Cornor Rd. 30 NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 6 BLK: PARCEL 1860

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 500 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A511037 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 2/10/99 CO SIGNATURE EXP. DATE NORTH GRID 548 000 EAST GRID 0758 000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEAN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

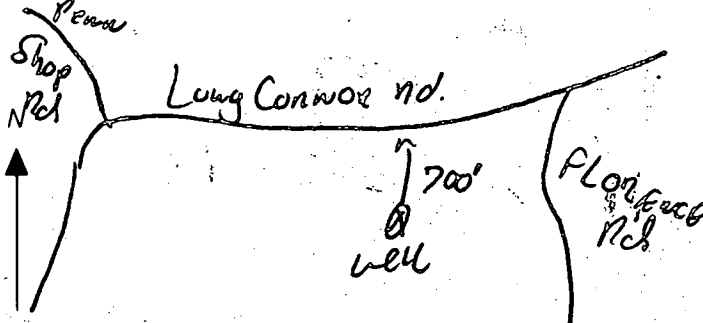
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

E 55048 000 000 N

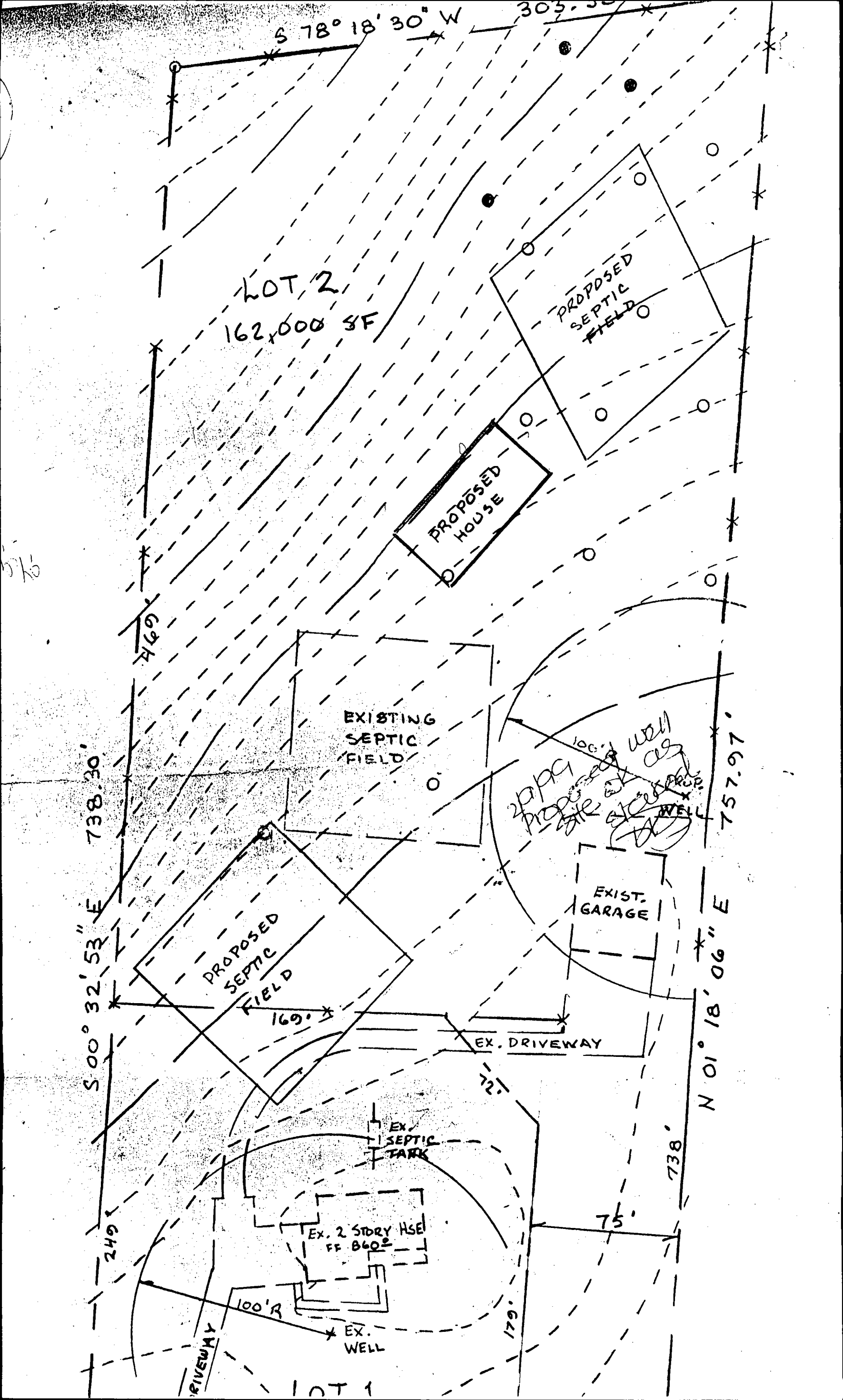
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

APPROX. PERMIT NUMBER 54 63 PERMIT No. HO-94-2084 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS 301-831-5983



10/21/98
10:00

APPLICATION

PERCOLATION TESTING

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

PREVIOUS OK
PROPOSAL IS TO
SUBMIT 1 LOT OF 5 ACRES LOT.

A 5/1037

P _____

DISTRICT _____

DATE 10/14/98

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 PHILIP DRIEW

ADDRESS 1175 LONG CORNER PHONE 301 831-5299

AGENT OR PROSPECTIVE BUYER ROBERT PLANK

ADDRESS 1530 Old New Windsor Rd. New Windsor, MD 21776 PHONE 301-253-8926
410-635-6103

PROPERTY LOCATION:

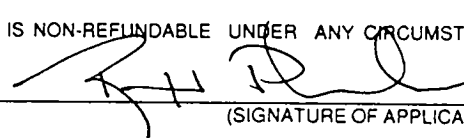
SUBDIVISION Chestnut Hills LOT NO. PARCEL 0

ROAD AND DESCRIPTION South Side Long Corner near Florence Rd

TAX MAP 6 - PARCEL # 186

SIZE OF LOT 5 AC TYPE BLDG. SFD
(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 _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

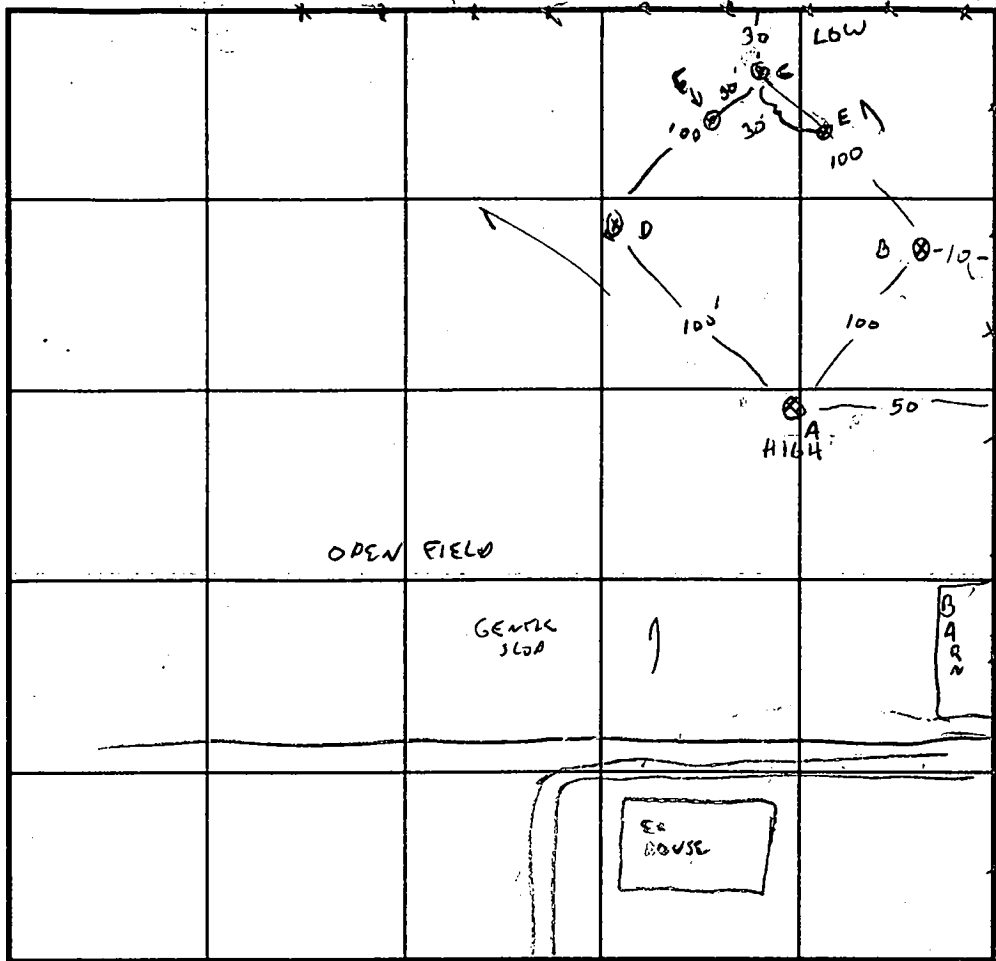
REASONS FOR REJECTION OR HOLDING _____

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 5/16/37



SOIL PROFILE A

0" TOPSOIL

8" STRONG BROWN CL

4" WHITE/DRAB SANDY LOAM

20% SAPROLITE GRASS

12

SOIL PROFILE B

0" TOPSOIL

8" STRONG BROWN CL

5" LT TAN SL

30-40% SAPROLITE

IRREGULAR HORIZONTAL BOUNDARY

QUARTZ GRAVEL

BETWEEN BANDS OF IRON ACCUMULATION + OXIDATION

10" REUSAL

C + D

11" TOPSOIL

6" BROWN GRAVELLY CLAY

5" BROWN LOAM

30% SHALEY SAPROLITE

10" 40-50% SAPROLITE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. LONG CORNER

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/21/98	A	4.5/12	11:07	11:11	→	1:22	11 MIN
	B	5.5/10	11:30	11:40	→	11:59	19 MIN
	F	5/10	11:49	11:21	STOPPED	3/4 inch	1 SLOW
		6'	2:59	3:18	STOPPED	1/2 inch	SLOW
	F	5.5/10	3:06	3:28	→	4:13	45 MIN SLOW
	F	5.5/10.5	4:00	4:20	1/2 inch		SLOW
	F	5/10	3:49	4:12	3/4 inch		SLOW

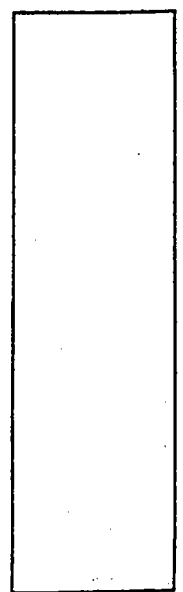
REMARKS E SIMILAR TO C, HAS MORE SAND A & B ACCEPTABLE C-F UNSUITABLE

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT PHIL ORLEN / RALPH SUTTOR

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 MIN TRENCH WIDTH 3'

INLET DEPTH 3.5 MAXIMUM BOTTOM DEPTH 5.5 SQ. FT./BEDROOM 210



10/21/98
10:00

APPLICATION

PERCOLATION TESTING

A 5/1037

P _____

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

PREVIOUS OK
PROPOSAL IS TO
SPLIT 1 LOT TO 5/2 AC LOT.

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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AGENT OR PROSPECTIVE BUYER ROBERT PLANK

ADDRESS 1530 Old New Windsor Rd. New Windsor, MD 21776 PHONE 301-253-8926
410-635-6103

PROPERTY LOCATION:

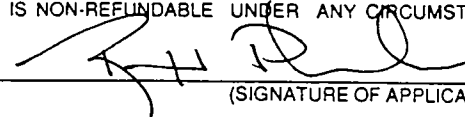
SUBDIVISION Chestnut Hills LOT NO. PARCEL 0

ROAD AND DESCRIPTION South Side Long Corner near Florence Rd

TAX MAP _____ PARCEL # _____

SIZE OF LOT 5 AC TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

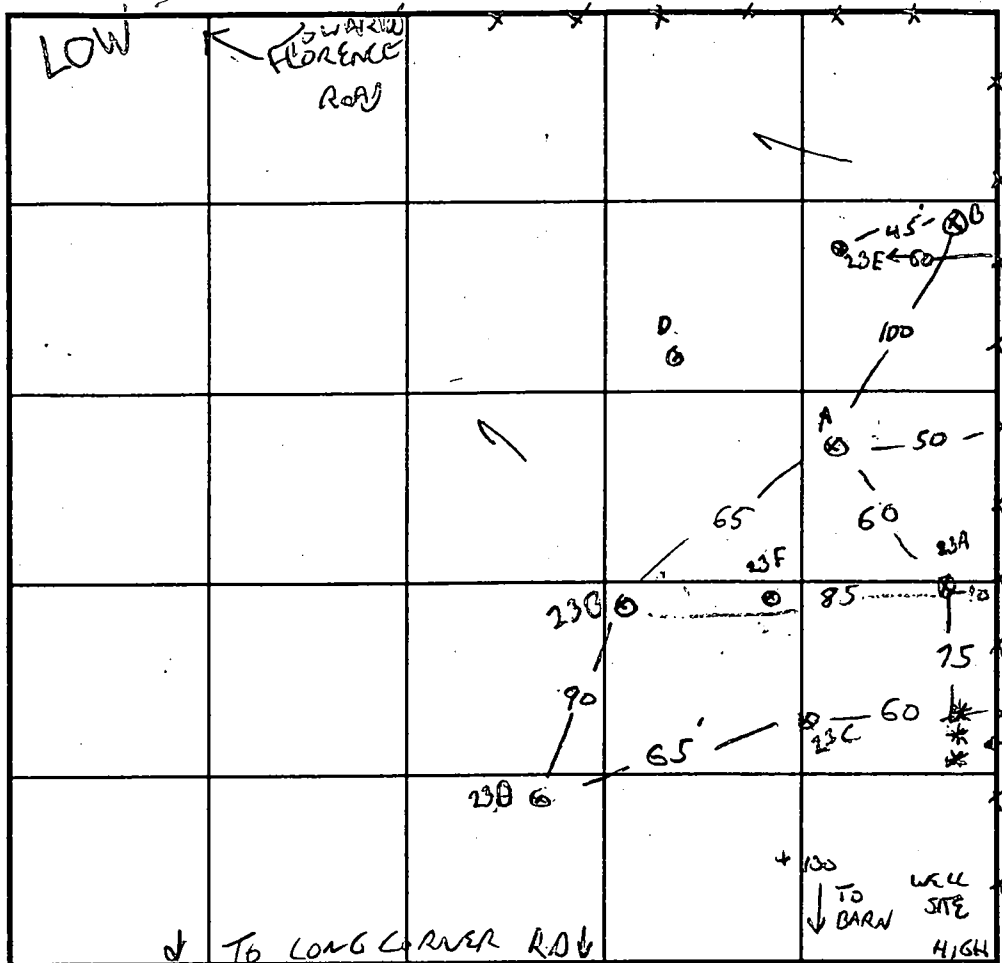
REASONS FOR REJECTION OR HOLDING _____

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

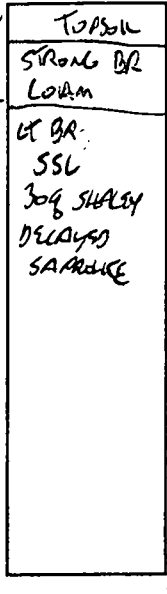
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

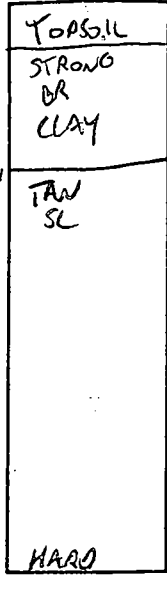
A.511032
COUNTY #



SOIL PROFILE 23B

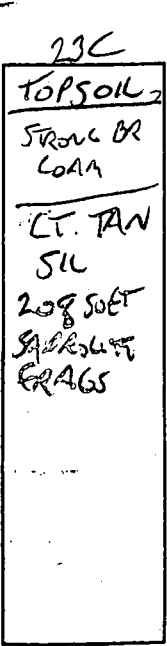
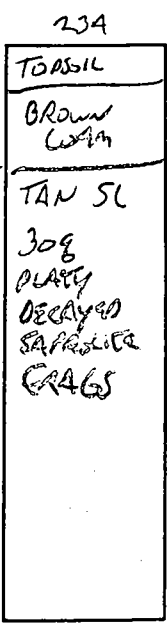


SOIL PROFILE D



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/23/98	23A	4.5/10.5	1:53	2:49	3/4 INCH	SLOW	F
		5.5 V	OK				OK
	23B	5.5/10	1:55	2:15	→	2:42	27 MW
	23D	→ ANTICIPATE FASTER TIMES		OFF PAR			
	23C	4.5/11	2:09	2:12	→	2:17	5 MW
	23O	5/9	2:41	2:47	→	2:57	10 MW
	23E	4.5/9.5	3:15	3:22	→	3:38	13 MW
	23F	4.5/10.5	3:36	3:37	→	3:40	3 MW



DISTANCE "0" TO 4.I. 10' BE LOWEST PINE ADJACENTS C IS 220'

REMARKS

TYPE OF SOIL 23E LIKE 1B, E PROBABLY 5-10 MW SOIL FELL. IN HOLE, 23F LIKE 23D

TESTED BY G. SAVAGE ALSO PRESENT R. SNYDER

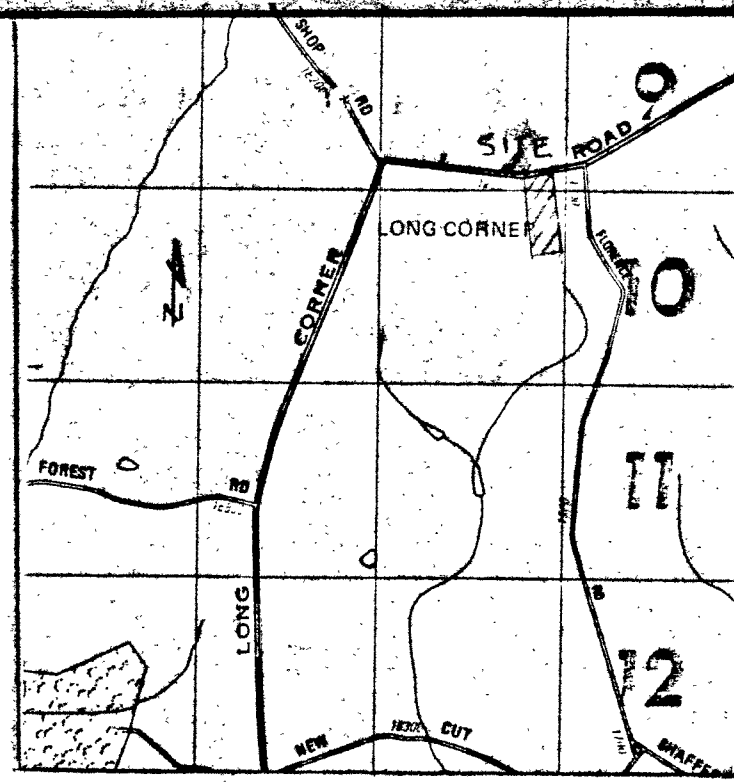
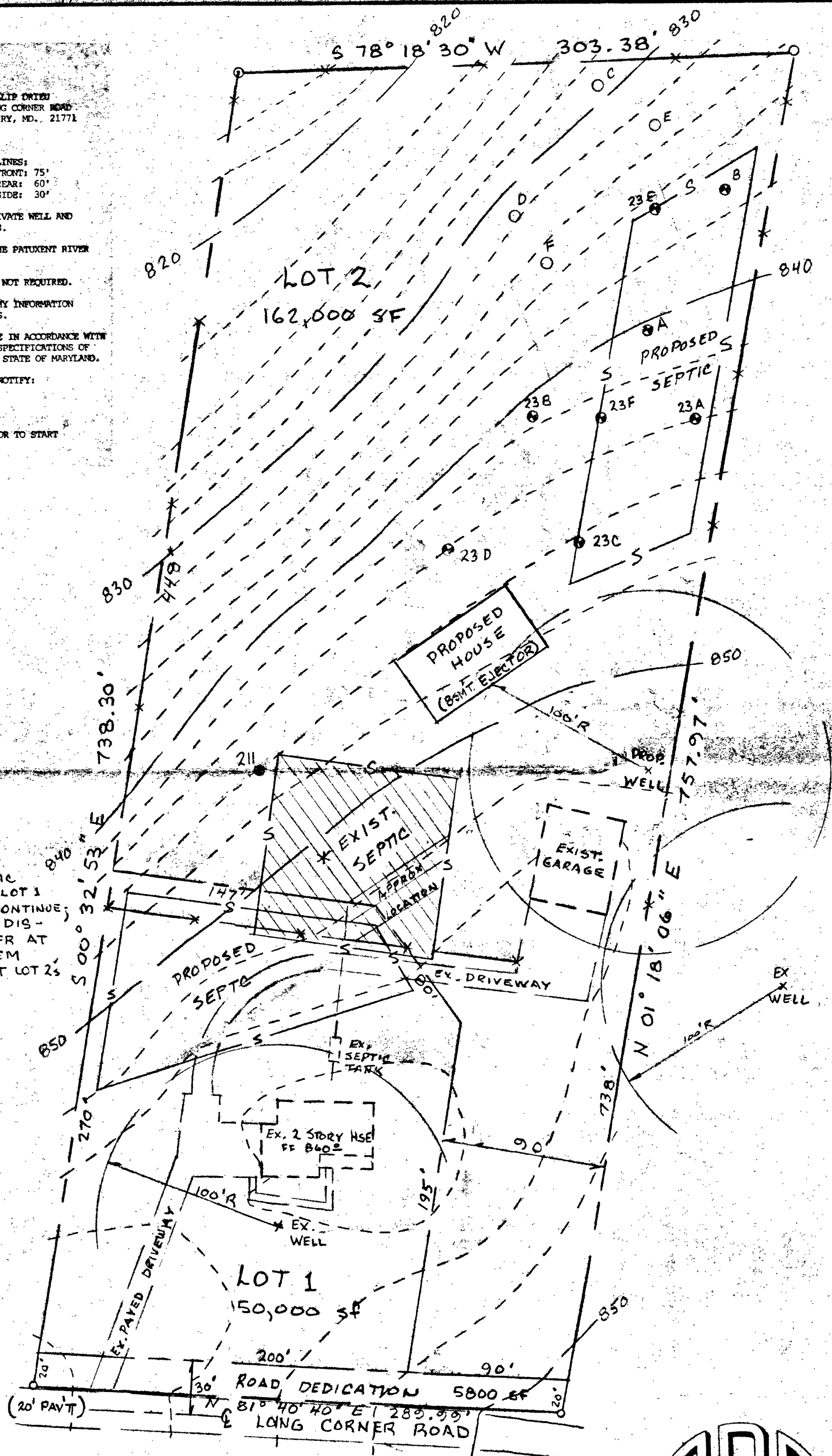
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 15 MW TRENCH WIDTH 3

INLET DEPTH 3.5 MAXIMUM BOTTOM DEPTH 5.5 SQ. FT./BEDROOM 210

11

GENERAL NOTES

1. OWNER: MR. PHILLIP ORTIZ
1175 LONG CORNER ROAD
MOUNT AIRY, MD. 21771
 2. EXISTING ZONING: R
 3. BUILDING RESTRICTION LINES:
FRONT: 75'
REAR: 60'
SIDE: 30'
 4. PROPERTY SERVED BY PRIVATE WELL AND PRIVATE SEPTIC SYSTEMS.
 5. PROPERTY LOCATED IN THE PATUXENT RIVER WATERSHED.
 6. STORMWATER MANAGEMENT NOT REQUIRED.
 7. BOUNDARY AND TOPOGRAPHY INFORMATION FROM ARC, INC. SURVEYS.
 8. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND THE STATE OF MARYLAND.
 9. THE CONTRACTOR SHALL NOTIFY:
* MISS UTILITY *
1-800-257-7777
- AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.



THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.

IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

EXISTING PERCOLATION TEST SITE: FAILED PASSED

PROPOSED WELL: W

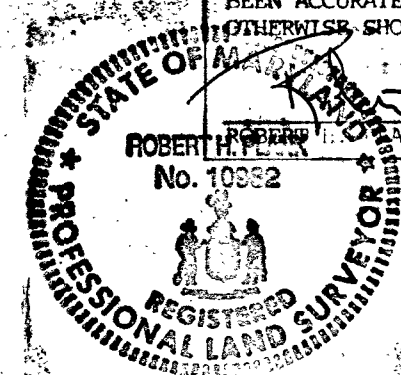
PROPOSED HOUSE SITE: PROP. HOUSE

NOTE: THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF ANY PROPERTY BOUNDARIES UNLESS OTHERWISE SHOWN HEREON.

*NOTE
EXISTING SEPTIC EASEMENT FOR LOT 1 ONTO LOT 2 TO CONTINUE; EASEMENT TO BE DISCONTINUED EITHER AT TIME OF SYSTEM FAILURE OR AT LOT 2'S DISCRETION.

I HEREBY CERTIFY THAT THE PERCOLATION TEST HOLE LOCATIONS SHOWN HEREON HAVE BEEN ACCURATELY STAKED OUT ACCORDING TO THIS PLAN, IF PROPOSED, OR HAVE BEEN ACCURATELY FIELD LOCATED IF EXISTING, UNLESS OTHERWISE SHOWN HEREON.

ROBERT H. PERLEY
No. 10982
PROFESSIONAL LAND SURVEYOR
STATE OF MARYLAND
DATE: 3-29-99



APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HOWARD COUNTY HEALTH DEPARTMENT
Gayle Baker
HOWARD COUNTY HEALTH OFFICER DATE: 3-29-99

PERCOLATION CERTIFICATION PLAT

LOTS 1 & 2
CHESTNUT HILLS
(TAX MAP 6 / PARCEL 118)
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' MARCH, 1999
ADVANCE RESOURCE CONSULTANTS INC.
9884 MAIN STREET
DAMASCUS, MARYLAND 20872
(301) 253-8926

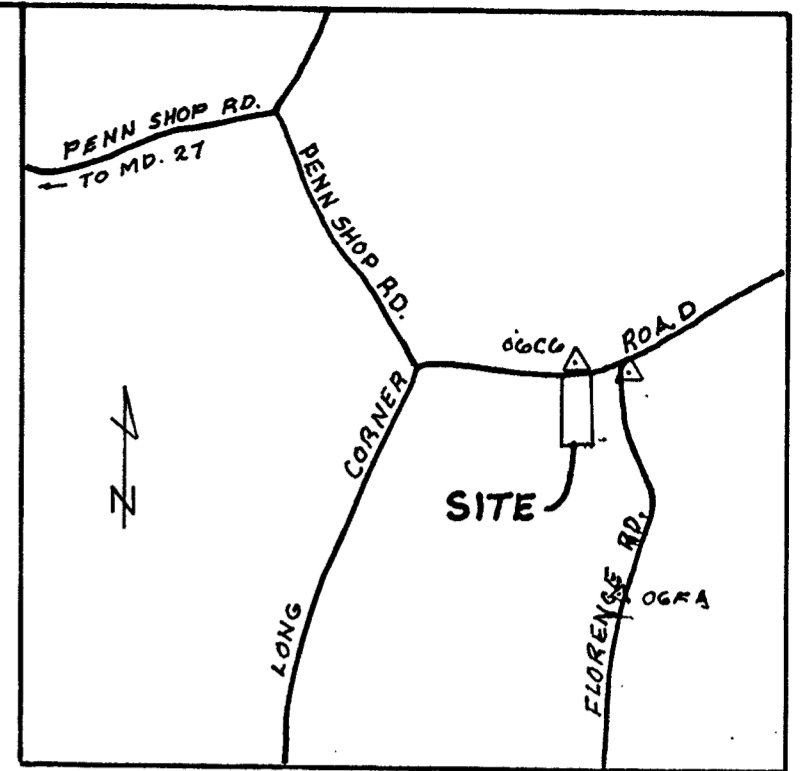


The requirements S 3-108, The Real Property Article, Annotated Code of Maryland, 1988 replacement volume, (as supplemented) as far as they relate to the making of this plat and the setting of markers have been complied with.

Robert H. Plank 4-22-2000
 (Signature of Platting Surveyor) Date

Philip Lee Drieu 4-22-2000
 (Name of Firm or Partnership that owns property recorded) Date
 (Signature of Owner)

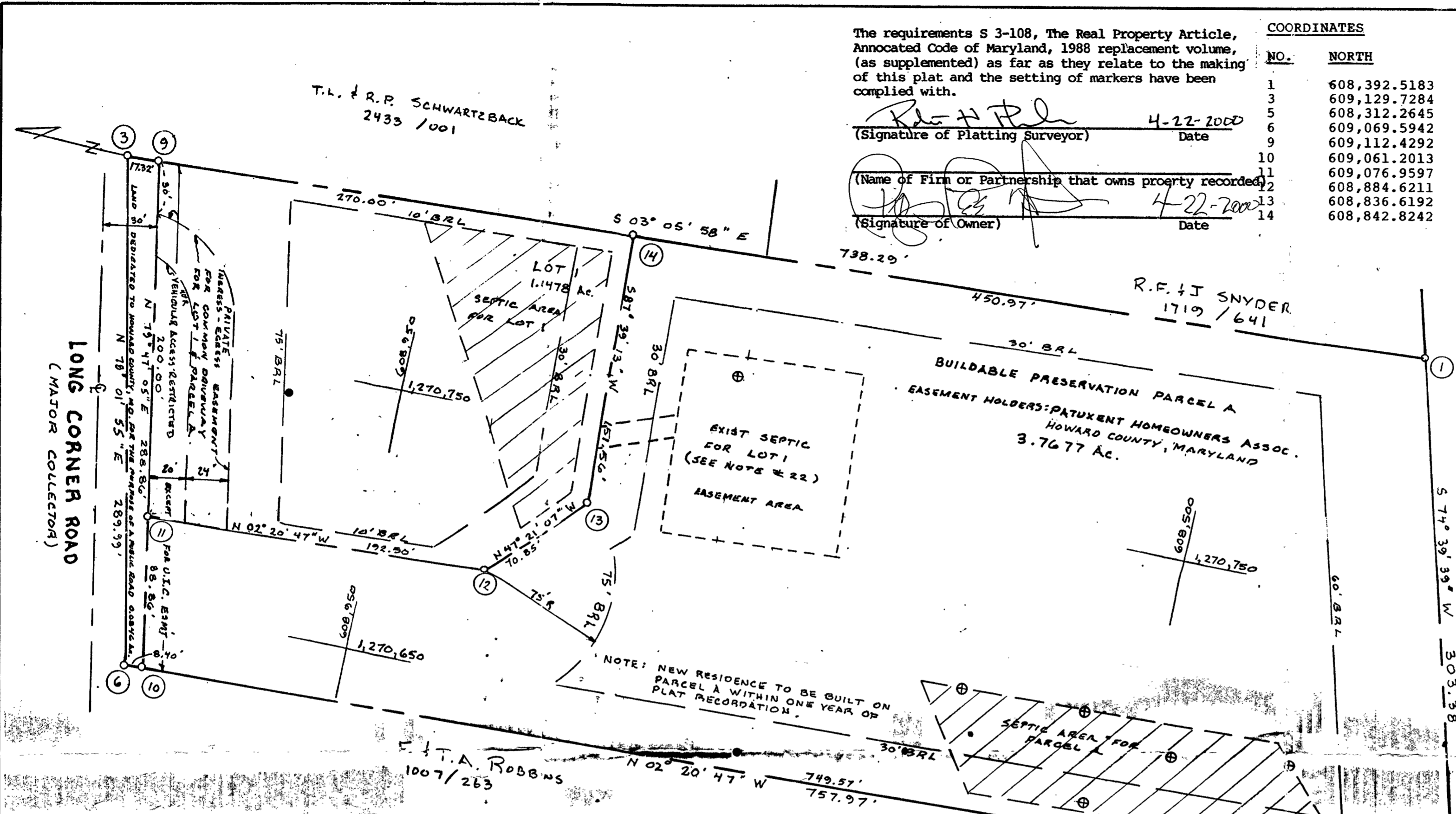
NO.	NORTH	EAST
1	608,392.5183	1,270,888.3838
3	609,129.7284	1,270,848.4663
5	608,312.2645	1,270,595.8131
6	609,069.5942	1,270,564.7819
9	609,112.4292	1,270,849.4030
10	609,061.2013	1,270,565.1258
11	609,076.9597	1,270,652.5734
12	608,884.6211	1,270,660.4543
13	608,836.6192	1,270,712.5683
14	608,842.8242	1,270,864.0012



VICINITY MAP
 SCALE: 1"=2000'

GENERAL NOTES

- Tax Map 6 Grid 11 Parcel 186
- Deed Reference L.3202 / F.546
- Coordinates shown hereon are based on NAD '83 MARYLAND Coordinate System, as projected by Howard County Geodetic Control Stations # * 0600 and # 06FA (NAD '83)
- Subject property zoned RC-DEO (10-10-93)
- o designates iron pipes found or set.
- The lots shown hereon comply with the minimum ownership width and lot area required by the Department of Environment.
- This area designates private sewerage easements of a minimum of 10,000 sf as required by the Department of Environment, for individual sewerage disposal, improvements of any nature in this area are restricted until public sewerage is available and servicing any residential structures constructed on these building sites. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewerage easements. Recordation of a modified sewerage easement shall not be necessary.
- All percolation test holes shown hereon have been field located and are shown with a symbol.
- this symbol designates a field located well site.
- This plat is based on a field run monumented boundary survey by ARC, Inc. on or about July 7, 1998.
- B R L denotes building restriction lines.
- All existing structures on Lot 1 & Parcel A are to remain. No new buildings, extensions or additions to the existing structures are to be constructed at a distance less than the zoning regulations require.
- This project is exempt from the requirements of the Forest Conservation Program because it is a minor subdivision with no additional subdivision potential.
- A fee-in-lieu of open space in the amount of \$ 1500.00 has been paid.



AREA TABULATION

Total number of lots to be recorded:	2
Total area of lots to be recorded:	4.9154 ac.
Total area of road dedication:	0.0846 ac.
Total area of open space:	0.0000 ac.
Total area of subdivision:	5.0000 ac.

- e.) Drainage elements-Capable of safely passing 100 year flood with no more than 1 foot depth over driveway surface.
- f.) Structure clearance- Minimum 12 feet.
- g.) Maintenance-Sufficient to insure all weather use.
- Lot 1 is exempt from stormwater management because disturbance will be less than 5000 square feet.
 - Existing septic easement for Lot 1 onto Parcel A to continue: easement to be discontinued either at time of system failure or at discretion of Parcel A's owner.
 - All lot areas are more or less ±.

- Using the Density/Cluster Exchange Option described in Section 106 of the Zoning Regulations, the development right for one residential parcel included on this subdivision plat has been transferred from Timothy A. Jennings Property. The creation of these lots is based on a maximum density of one residential unit for every two acres. The Applicant has purchased a DEO Development Right.
- A USE IN COMMON MAINTENANCE AGREEMENT IS RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.
- WAIVER PETITION # WP-99-134 FOR AN ADDITIONAL ROAD ACCESS POINT WAS DENIED BY THE DIRECTOR.
- Driveways shall be provided prior to residential occupancy to insure safe access for fire and emergency vehicles per the following minimum requirements:
 - Width-12 feet (14 feet serving more than one house)
 - Surface-6 inches compacted crusher run base with tar and chip coating.
 - Geometry-Maximum 15% grade, maximum 10% grade change and minimum 45 foot turning radius.
 - Structures(Culvert/Bridge)-Capable of supporting 25 tons (H25 loading).

- For flag or pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem and road right-of-way line and not to the pipestem lot driveway.
- Preservation Parcel A is encumbered by an easement with the Patuxent Homeowners Association. This agreement prohibits further subdivision of the parcel, outlines the maintenance responsibilities of its owner and enumerates the uses permitted on the property. * AND * HOWARD CO, MD.
- The Articles of Incorporation for the Homeowners Association were accepted by the State Department of Assessment and Taxation # D05231300 JUNE 5, 2000

APPROVED : For Private Water And Private Sewerage Systems
 HOWARD COUNTY HEALTH DEPARTMENT
Dick Matrey 6/14/00
 Howard County Health Officer Date

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Philip Drieu 6/20/00
 Chief, Development Engr. Div. Date

James Butler 6/26/00
 Planning Director Date

OWNER'S CERTIFICATE
 I, Philip Lee Drieu, owner of the property shown and described hereon, hereby adopt this plan of subdivision and in consideration of approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Hoard County, Maryland its successors and assigns, 1) the right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street rights-of-way and the specific easements shown hereon, 2) the right to require dedication for public use, the beds of the streets and/or roads and flood plains and open space where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and flood plains, storm drainage facilities and open space where applicable, 3) the right to require dedication of waterway and drainage easements for the specific purpose of their construction, repair and maintenance and 4) that no building or similar structure of any kind shall be erected on or over the said easements and rights-of-way.
 Witness my hand this 23 day of April, 2000
Philip Lee Drieu

SURVEYOR'S CERTIFICATE
 I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by Philip Lee Drieu and Barbara Lynn Drieu to Philip Lee Drieu by deed dated January 26, 1994 and recorded among the land records of Howard County, Maryland in Liber 3202 at Folio 546 and that all monuments are in place as shown in accordance with the Annotated Code of Maryland, as amended and in accordance with Howard County Subdivision Regulations.
 Witness my hand this 22nd day of April, 2000
Robert H. Plank
 Robert H. Plank, MD. RPLS 10982

RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND ON 6-30-00 AS PLAT NUMBER 14293
 FINAL PLAT PRESERVATION LOT 1 & PARCEL A DRIEU SUBDIVISION 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND scale: 1"=50' April, 1999
 (Tax Map 6 - Grid 11 - Parcel 186)
 OWNER
 PHILIP LEE DRIEU
 1175 LONG CORNER ROAD
 MT. AIRY, MD. 21771
 ARC, Inc.
 9884 Main Street
 Damascus, MD. 20872
 301 253-8926