

5-13-87  
ASAP

5/28/87

04-342054

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 384318

A 29405

DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

## INDEXED

DATE 1/14/86

DATE SYSTEM APPROVED 6/22/87

INSPECTOR (Signature)

SOUTH CARROLL BACKHOE

Francis Bollinger

IS PERMITTED TO INSTALL  ALTER

ADDRESS Bollinger Road, Westminster, MD 21157 PHONE \_\_\_\_\_

SUBDIVISION Red Lion Inn Estates ROAD 14621 Red Lion Dr LOT 4

PROPERTY OWNER Michael Bost

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

5/13/87  
septic area  
revised  
system

TRENCHES - 187 sq. ft. per bedroom. (2-94' trenches) Trench to be 3 feet wide. 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - This is revised 3/4/87. Beginning from the right front lot corner, place the distribution box 120 feet down the right (285') lot line and 120 feet off the right lot line as seen when facing the property from Red Lion Drive. Run trenches along contour (level ground) back towards the right (285.00') lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY B. Nixon DATE 3/04/87

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.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

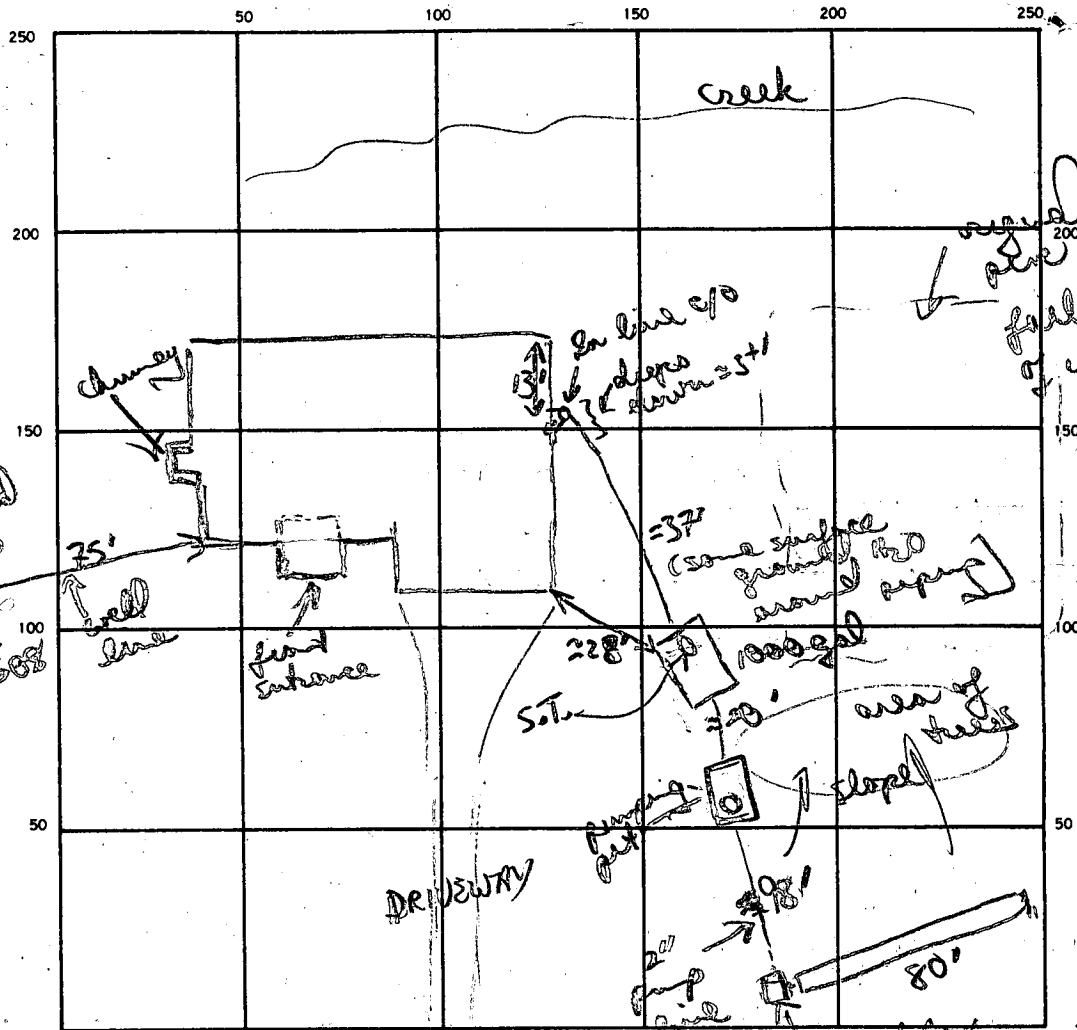
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 29405



INDICATE NORTH — NAME ADJOINING ROADWAY AS BASE LINE.

RSD LION DRIVE

1000 gal pump tank (pd)  
 SEPTIC TANK LEVEL 1000 gal CLEANOUTS 1 S.T. 1 2 in line c/o  
 DISTRIBUTION BOX LEVEL ✓  
 DRAIN FIELD/TILE FIELD DEPTH 18' FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.  
 EFFECTIVE GRAVEL DEPTH 7' FT. TOTAL LENGTH 80 FT.  
 NUMBER OF TRENCHES 1 ONE SIDEWALL BOTTOM AREA 560 SQ. FT.  
 DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA 560 SQ. FT.

REMARKS 5/27/87 Pump system to be installed. Tank already installed & covered (to guard against floating from high water table) OK to start trench in predetermined area 5/28/87 Pump chamber in place (pump system not yet in) OK to finish storming trench & cover. Pitless adapter installed - OK to cover line (3-4")  
OK to install dist. box & connect lines.  
6/22/87 Pumps, alarms etc installed per contractor, drain placed around tank  
 DATE SYSTEM APPROVED 6/22/87 INSPECTOR B. Wilson

5/14/87

A 29405

SUBDIVISION:

RED LION ESTATES

LOT NUMBER: 4

RED LION DRIVE

DRY WELL OR DRY WELL AND TRENCH

		_____ sq. ft./bedroom
	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 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.

TRENCHES

187 sq. ft./bedroom

Trench to be 2 wide.  
 Inlet 3 feet below original grade.  
 Bottom maximum depth 10 feet below original grade.  
 Effective area begins at 3 feet below original grade.  
7 feet of stone below distribution pipe.

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

LOCATION: PUMP SYSTEM REQUIRED. 1000 GAL TANK SUGGESTED FOR PUMPING CHAMBER. ADDITIONAL DESIGN REQUIREMENTS TO BE DISCUSSED AND APPROVED AS NEEDED.  
BEGINNING FROM RIGHT FRONT LOT CORNER PLACE TRENCH 50' DOWN THE RIGHT LINE AND 10' OFF THE RIGHT LINE AS SEEN WHEN FACING PROPERTY FROM RED LION DRIVE. RUN TRENCH ALONG CONTOUR TOWARDS THE FRONT LOT LINE

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

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 HBL PROP

ADDRESS \_\_\_\_\_ PHONE 465 7777  
BOENNER

PROPERTY LOCATION \_\_\_\_\_  
SUBDIVISION \_\_\_\_\_ LOT NO NEW 6

ROAD AND DESCRIPTION Parts of Old 6, Add 5, Old 4  
to make new 6

SIZE OF LOT \_\_\_\_\_ TYPE BLDG \_\_\_\_\_

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.

SIGNATURE OF APPLICANT \_\_\_\_\_

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

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

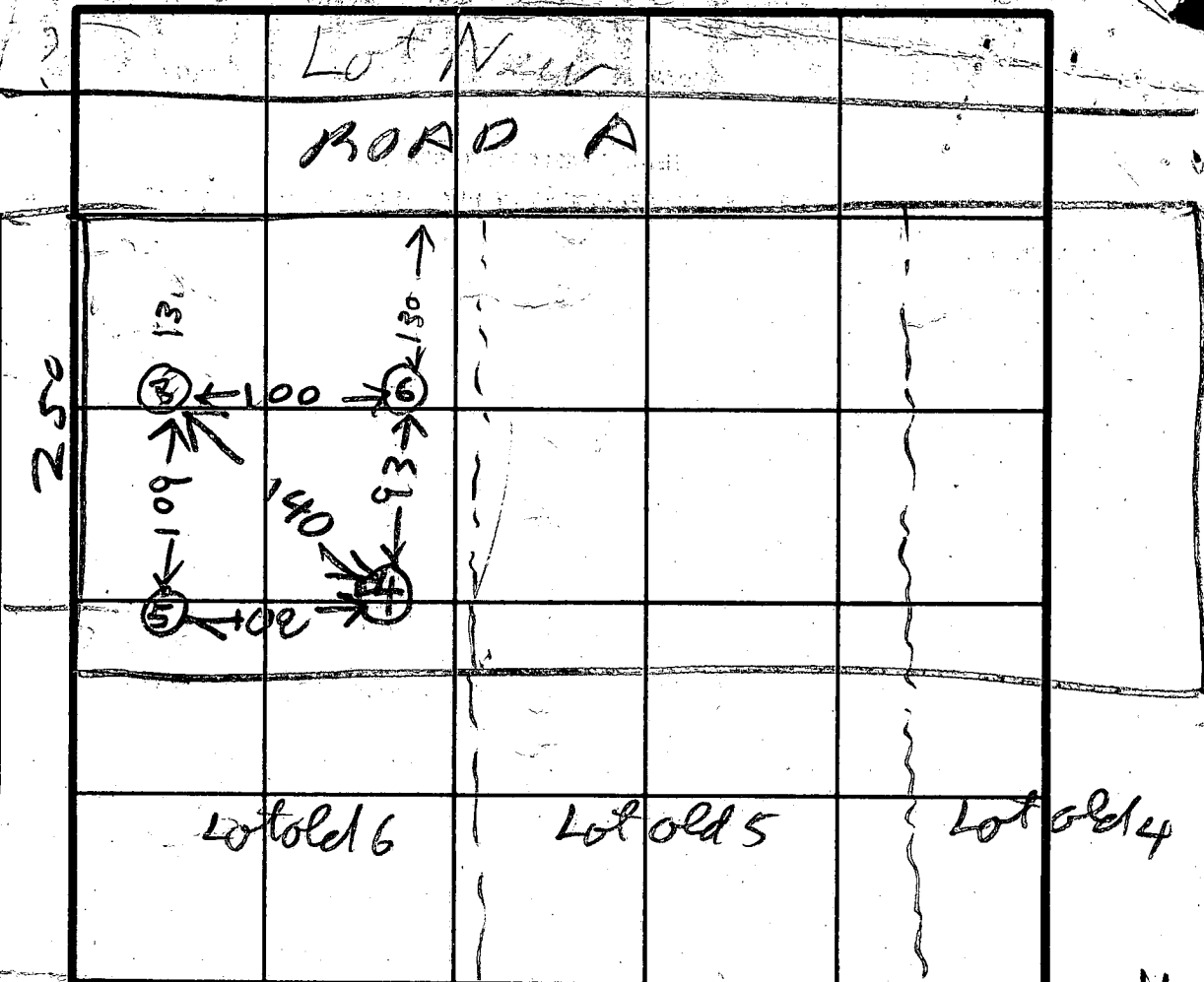
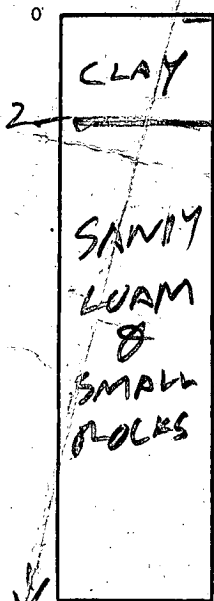
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 7/21/80 HOLD FOR REVIEW LOT LINE CHANGE (R)

# THIS IS NOT A PERMIT

Lot Near  
ROAD A

⑤  
SOIL PROFILE

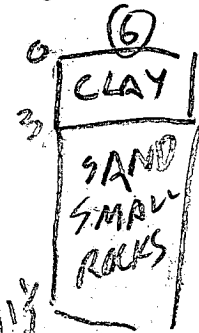
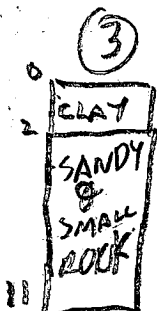
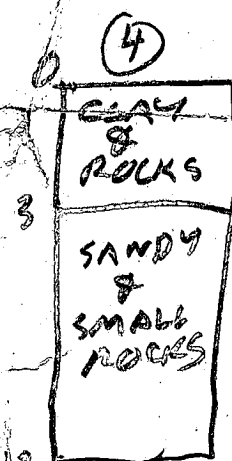


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE-LINE

Hole Elevation

- ③ Highest
- ④ Lowest
- ⑤ Next Highest
- ⑥ Next Lowest

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/18/80	3D	11	1045	1047	1047	1049	2	
	3S	4	1104	1110	1110	1120	10	
	4D	12	1156	1204	1204	1219	13	
	4S	4	1201	1210	1210	1222	12	
	5V	11 1/2	SEE SOIL PROFILE					
	6D	11 1/2	110	111	111	112 1/2	1 1/2	
	6S	4	122	127	127	134	9	
	3ES	2 1/2	129	132	132	137	5	
	6M	8 1/2	210	220	220	231	11	
	⑥ES	2	214	241	Settling time Fall			



REMARKS

TYPE OF SOIL

TESTED BY R. HODGES

JEFFERSON PERIS  
ALSO PRESENT JACK BOENDER

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

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

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

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 ~~HBL PROD~~ Michael Best

ADDRESS \_\_\_\_\_ PHONE BOENDER 4657777

PROPERTY LOCATION 14621 RED LION DR

SUBDIVISION BED LION ESTATES LOT NO. NEW 6  
Parts of Lots Old 6 Old 5

ROAD AND DESCRIPTION Old 4 combined

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_

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.

BLDG. PERMIT SIGNED

SIGNATURE OF APPLICANT \_\_\_\_\_

RETURNED 9-10-84 S. ALW

APPROVED BY Raymond Hodger FOR Dry Well DATE 6/7/84  
BP# 7083

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

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

REASONS FOR REJECTION OR HOLDING 7/21/80 - HOLD FOR REVIEW LOT LINE

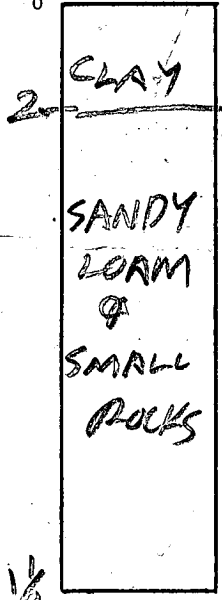
CHANGE 7/24/80 Discussed with CR He said OK per se but  
Overlay showing New & Old Lot Lines  
& Building Restriction line needed

# THIS IS NOT A PERMIT

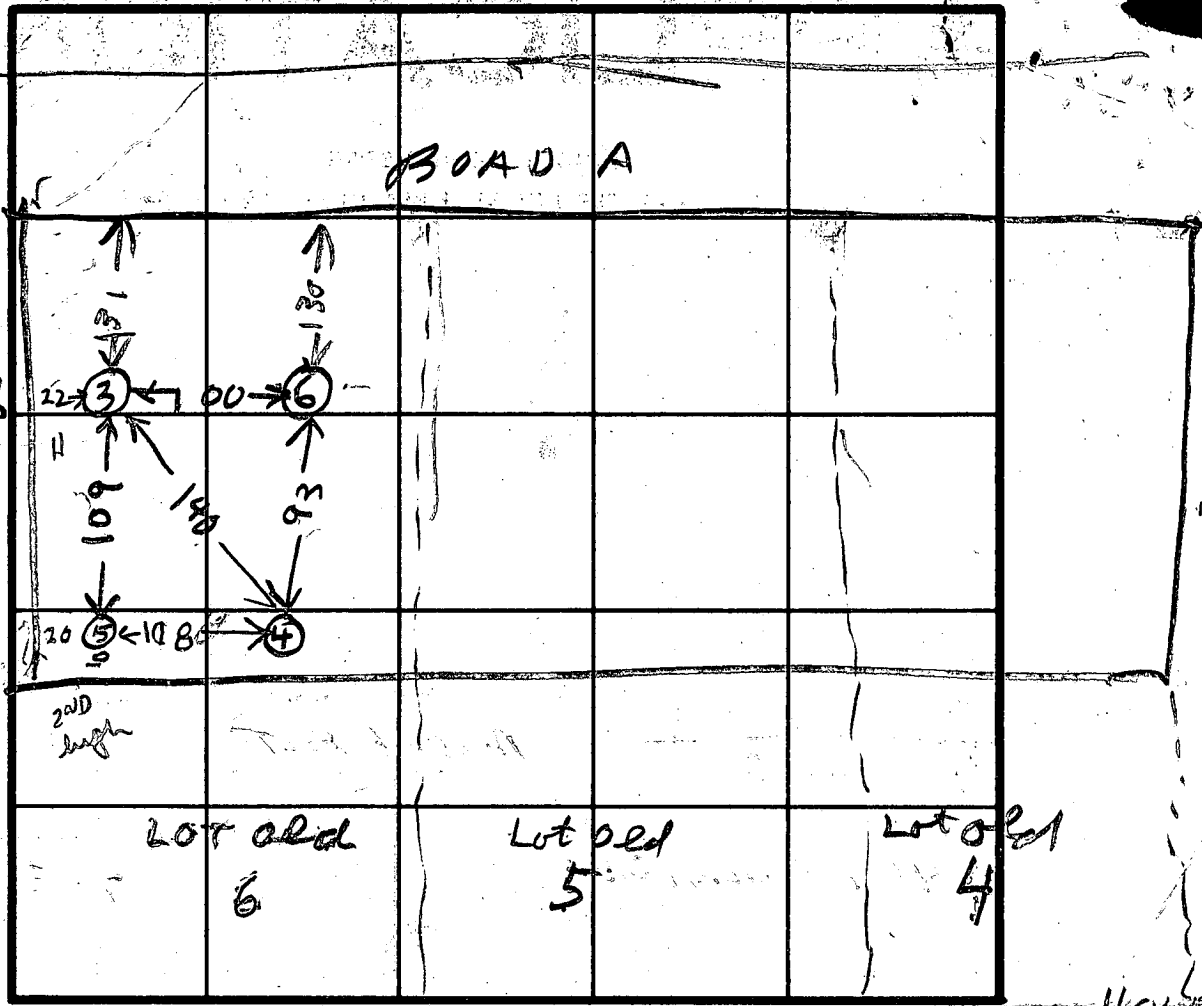
6/7/84 Specs Written

5

SOIL PROFILE

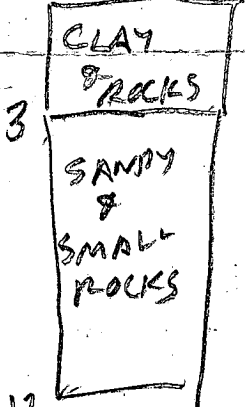


ROAD A

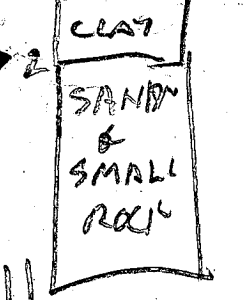


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

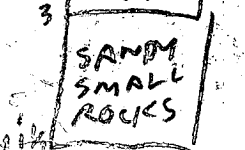
4



3



6



HOLE ELEVATION

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
7/19/80	3D	11	1045	1047	1047	1049	2
	3S	4	1104	1110	1110	1120	10
	4D	12	1156	1204	1204	1219	15
	4S	4	1201	1210	1210	1222	12
	5V	11 1/2	SEE	SEE	SEE	SEE	SEE
	6D	11 1/2	110	111	111	112 1/2	1 1/2
	6S	4	122	127	127	134	9
	3ES	2 1/2	129	132	132	137	5
	6M	8 1/2	210	220	220	231	11
	6ES	2	214	241	little perc FALL		

③ Highest  
④ Lowest  
⑤ Next High  
⑥ Next Low

average Time 8 min Max Depth 3 ft

REMARKS

TYPE OF SOIL

TESTED BY

B.H. [Signature]

ALSO PRESENT

JEFF KRIONDERIS  
JACK BOENDER

P 38431

3/4/87  
187

RED LION ESTATES  
SUBDIVISION: RED LION DRIVE

A 29405

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	Septic Tank	Minimum Total Square Feet
3 bedroom	1000 gallon ✓	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 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.

TRENCHES

187 sq. ft./bedroom

Trench to be 3 wide.

(2 94' TRENCHES)

Inlet 3 feet below original grade.

Bottom maximum depth 5 feet below original grade.

Effective area begins at 3 feet below original grade.

2 feet of stone below distribution pipe.

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

LOCATION: THIS IS REVISED SEPTIC SPECIFICATIONS. (3/4/87)  
BEGINNING FROM THE RIGHT FRONT LOT CORNER, PLACE THE  
DISTRIBUTION BOX 120' DOWN THE RIGHT (285') LOT LINE AND  
120' OFF THE RIGHT LOT LINE, AS SEEN WHEN FACING THE PROPERTY  
FROM RED LION DRIVE. RUN TRENCHES ALONG CONTOUR (LEVEL  
GROUND) BACK TOWARDS THE RIGHT (285.00') LOT LINE.

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Court House Square  
Ellicott City, Md. 21043  
461-9933

A# 29405

New Installation   
Replacement

Receipt # 39118  
Date 4/13/87

Name of Installer CLARKE P + H Inc

Telephone 489-4029

License number 3808  
Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner MIKE BOST Telephone 461-2503  
Subdivision Red Lion EST Lot # 4 Well tag # - - -  
Site Address 14621 Red Lion Drive

Pump

1. Type  
a. Deep well jet   
b. Shallow well jet   
c. Submersible

Motor

1. Horsepower   
2. RPM   
3. Voltage   
a. 110   
b. 220

Pitless Adapter

1. Make   
2. Model #   
3. Depth

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

Tank

1. Capacity   
2. Pressure relief valve? 75/65

Piping

1. Type Plastic  
2. Size 1"  
3. NSF and/or BOCA Code approved   
4. Depth of supply line 42"

Well data

1. Depth  ft.  
2. Yield  GPM  
3. Static water level  ft.  
4. Will water supply be disinfected by installer? NO

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: Hannett C. Osbe

Date: 3-31-87

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

Prel.

# <sup>H<sub>2</sub>O</sup> APPLICATION

A 29405

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 4th

DATE 1/17/79

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 H.B.L. Properties, Inc.

ADDRESS \_\_\_\_\_ PHONE Boender - 465-7777

PROPERTY LOCATION: \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ LOT NO. 06

ROAD AND DESCRIPTION Old Frederick Road

SIZE OF LOT 4.4 acres TYPE BLDG. 3 or 4 bedrooms

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.

SIGNATURE OF APPLICANT /s/ Jack Boender for E. Brooke Lee

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

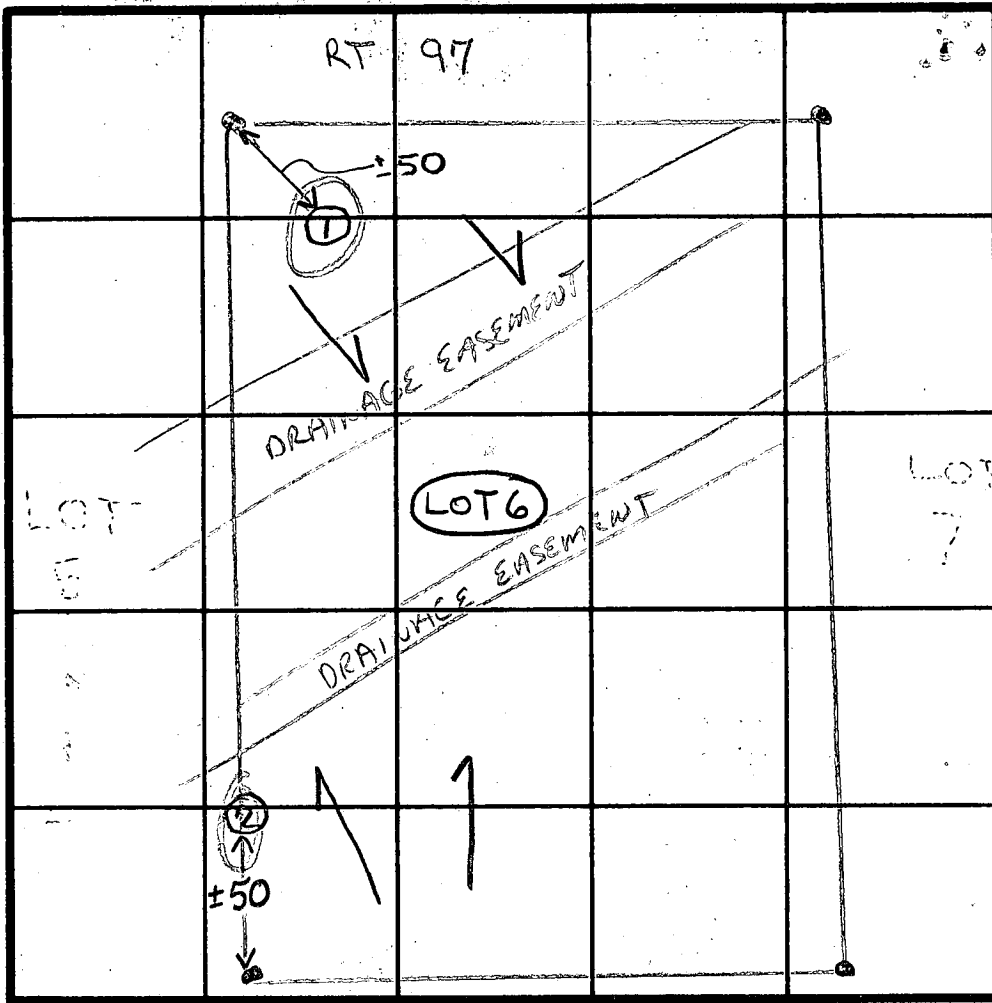
REJECTED BY G. Keller FOR Any DATE 22 MAR 79

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

REASONS FOR REJECTION OR HOLDING Groundwater encountered at shallow depths on highest portion of lot (see)

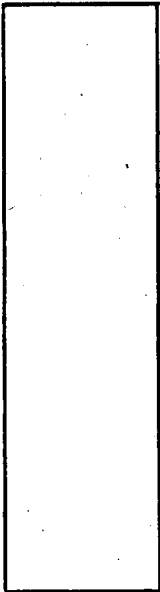
# THIS IS NOT A PERMIT

LOT 6



see sheet

SOIL PROFILE

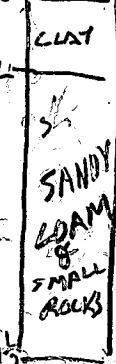


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
ROAD A

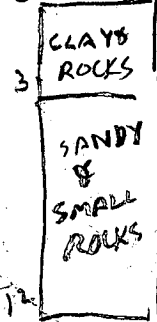
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
22 MAR 79	①	WATER AT 4'						
	②	WATER AT 5 1/2'						
7/18/80	3 D	11	1045	1047	1047	1049	2	
	3 S	4	1104	1110	1110	1120	10	
9/26/80	4 D	12	1256	1204	1204	1219	15	
	4 S	4	1201	1210	1210	1222	12	
	5 V	1 1/2	SEE SOIL PROFILE					
	6 D	1 1/2	110	111	111	112 1/2	1 1/2	
	6 S	4	122	129	127	134	9	
	3 ES	2 1/2	129	132	132	137	5	

32  
12  
10  
3

⑤



④



REMARKS: ①, ② on highest portion of lot  
7/18/80 PARTS OF OLD 4, OLD 5, OLD 6 COMBINED  
TYPE OF SOIL TO MAKE LOT NEW 6 AR 153

TESTED BY GLK 7/18/80 RH

ALSO PRESENT 7/18/80 JBUENDER

LOT 4 RES LOT

5/13/87

H<sub>2</sub>O as high as 4' in lower end of septic field  
Is area of stunk cabbage not previously seen  
nearer to house (area where tank may have  
gone.

In highest area of perc field (via gravity) clay  
soils at 7+ ft H<sub>2</sub>O probably leveling off at 7 1/2'  
Soils above are generally heavy clay

①  
orange/yellow  
clay 5'  
small patches  
mottled soil (blue/grey) <sup>orange</sup>  
3 1/2 - 5'

gradually to  
orange/brown  
clay silt mix

H<sub>2</sub>O

START

5' 1053 1123 (= 4 - 1/2")

↳ (bottom of perc hole)

③

6' 1120

↳ (bottom of perc hole)

② (5' higher in elevation  
(by transect))

location - 75' from creek  
site right on right property  
line

78' from hole #1

purple/orange clay w/ few scattered  
rock frags 4'

6-8" dark grey clay layer

to orange/yellow clay = 9'

to orange clay/silt mix

to black layer (frag upon material)  
at 12' H<sub>2</sub>O at 12' <sup>dig by 10 1/2'</sup>

over

5/13/87

③

location - on right property line

48-50' from right front property corner

considerably higher than house than "original approved" pea field, much better soils

Pump system needed. will be higher than well but sufficient distance + general ~~sg~~ flow pattern should not impact.

Soils much better good soils at 3'

Dug hole to 16' H<sub>2</sub>O just breaking in

③

35' 1135 - 1138 1138 - 1142 4 min

can get 1 80' trench w/ 7' stone (max depth 10')

to preserve future repairs

purple silty clay mix 3'

to orange tan / brown silty

mic. loam

<10% small weathered frags

8' ↓

12'

mostly silty loam after

H<sub>2</sub>O at 16'

system 3-10'  
7' stone

pump system to be required

H<sub>2</sub>O

*Per.*

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 29404

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 4th

DATE 1/17/79

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 H.B.L. Properties, Inc.

ADDRESS \_\_\_\_\_ PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 5

ROAD AND DESCRIPTION Old Frederick Road

SIZE OF LOT 4.1 acres TYPE BLDG. 3 or 4 bedrooms

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.

SIGNATURE OF APPLICANT /s/ Jack Boender for E. Brooke Lee

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

REJECTED BY B. Keller FOR ANY DATE 22 MAR 79

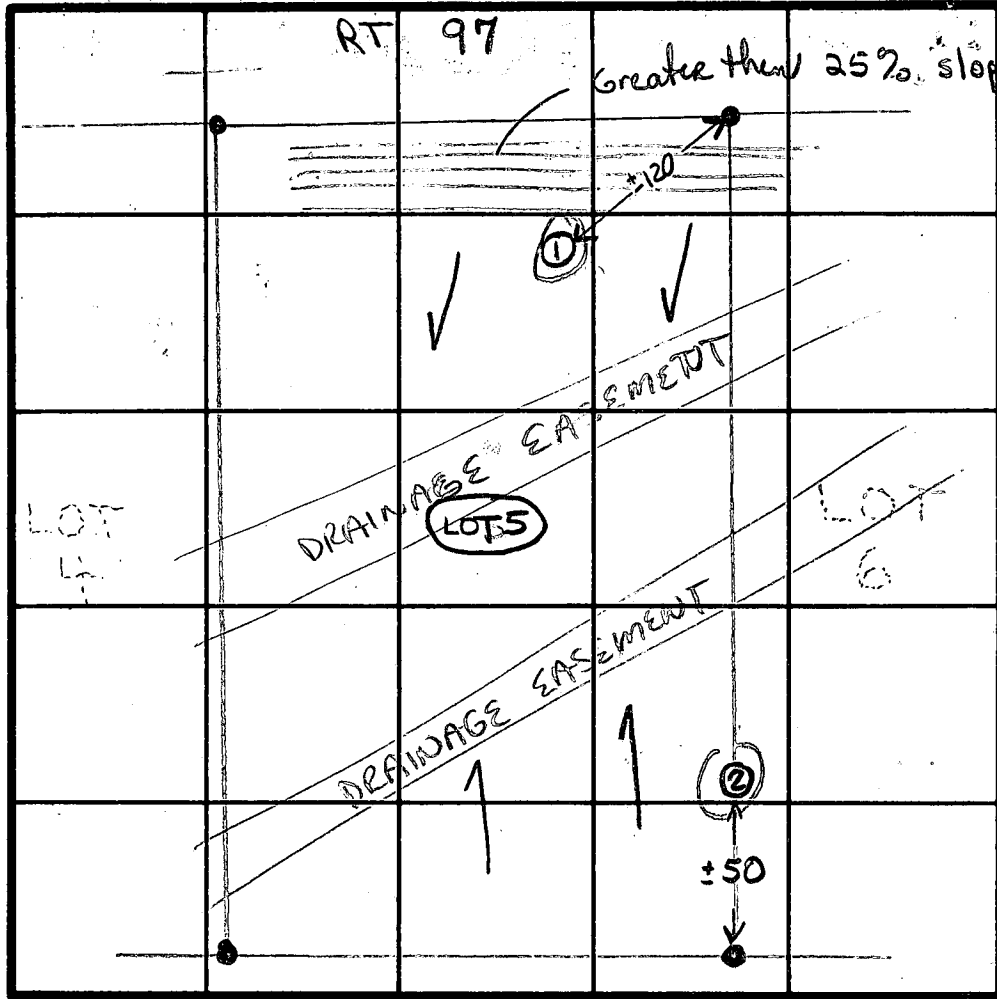
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING Groundwater encountered at shallow depths on highest portion of lot (GLK)

# THIS IS NOT A PERMIT

LOT 5

# 5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
ROAD A

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
22 MAR 79	1	WATER AT 4'					
	2	WATER AT 5 1/2'					

REMARKS ① & ② on high part of lot

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

TESTED BY GLK ALSO PRESENT Danny Dava

*Preli.*

# <sup>H<sub>2</sub>O</sup> APPLICATION

A 29403

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

DISTRICT 4th

DATE 1/17/79

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 H.B.L. Properties, Inc.

ADDRESS \_\_\_\_\_ PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 4

ROAD AND DESCRIPTION Old Frederick Road

SIZE OF LOT 3.5 acres TYPE BLDG. 3 or 4 bedrooms

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.

SIGNATURE OF APPLICANT /s/ Jack Boender for E. Brooke Lee

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

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

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

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

\_\_\_\_\_

\_\_\_\_\_

# THIS IS NOT A PERMIT

NOW #4

#4

SOIL PROFILE

0'


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS \_\_\_\_\_

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

B 1 **5723** SEQUENCE NO. (OEP USE ONLY) **7/19/86**

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

STATE OF MARYLAND  
PERMIT TO DRILL WELL

OEP PERMIT NUMBER  
**HC-81-1508**  
fill in this form completely

please print or type

Date Received **3 hr. PT + Grant**

**052886** OWNER INFORMATION

**ROST MICHAEL** Last Name Owner First Name

**3456 HARRINGTON DR.** Street or RFD

**ELLICOTT CITY MD 21043** Town State Zip

B 3 LOCATION OF WELL

**HOWARD** COUNTY

**RED LION EST** SUBDIVISION

SECTION **---** LOT **9**

**COOKSVILLE** NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **---** MI

DRILLER INFORMATION

**Ralph Mayne** Driller's Name License No. **223**

**Ralph Mayne (well drilling)** Firm Name

**9120 Brown Church Rd. Mt. Airy** Address

**Ralph Mayne** Signature Date **5/22/86**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

**Red Lion Dr.** NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

**60** DISTANCE FROM ROAD ENTER FT or MI

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

**HOWARD** COUNTY NAME COUNTY NO. **A 29405**

OEP SIGNATURE **B Nylan** DATE ISSUED **12/18/86**

NORTH GRID **546000** EAST GRID **0794000**

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)

APPROXIMATE DEPTH OF WELL **150** FEET

APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well**
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

E **7944**  
N **5466**

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

THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_

Not to be filled in by driller. (OEP USE ONLY)

APPROX. PERMIT NUMBER **GAP**

FORCE **BN** WRITE INITIALS IN BOX PERMIT NO. **HC-81-1508**

SPECIAL CONDITIONS

**COOKSVILLE**

7/21/86

Location OK'd (as per  
plan)

scheduled for 7/19/86  
(but as of 7/21 not done)

7/21/86

Driller called + said  
well had been filled in  
w/ cement  
will have to be redrilled

done on  
original  
date

8/27/86

50' casing

47' open

17 bags

1-2' above



C1 00561

SEQUENCE NO. (OEP 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

A-29405

DATE RECEIVED

8 13

DATE WELL COMPLETED

08 27 86

DEPTH OF WELL

22 180 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-81-1508

OWNER

BOST

BENJ + MICHAEL

STREET OR RFD

RED LIGN DR.

TOWN

SUBDIVISION

RED LIGN ESTATES

SECTION

LOT 4

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed) FEET FROM TO Check if water bearing

Table with 3 columns: Description, Feet From, Feet To. Rows include Top Soil, Sandy, Sand Stone, Micka, Sand Stone, Micka.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

yes Y 44 no N 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 17 NO. OF POUNDS 1200

GALLONS OF WATER 102

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

CASING RECORD

casing types insert appropriate code below

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter (nearest inch) Total depth of main casing (nearest foot)

PL 6 50 70

OTHER CASING (if used)

Table for other casing diameter and depth

screen type or open hole insert appropriate code below

SCREEN RECORD

ST BR HO PL OT STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

C2

DEPTH (nearest ft.)

Table for screen depth with columns 1-51

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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.) WQ OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 5

WHEN PUMPING 20

TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

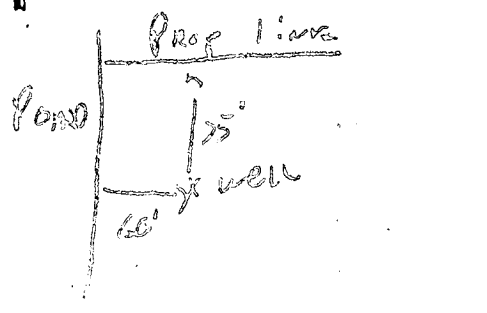
PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) above below LAND SURFACE (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)



A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "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. 223 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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



HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

PUMP INSTALLATION

THE FOLLOWING STATEMENT MUST BE COMPLETED BY THE HOME OWNER  
WHEN A PUMP IS INSTALLED BY A PERSON OTHER THAN THE WELL  
DRILLER:

My well driller is not to install the pump for my water well, and I  
hereby certify that it will be my responsibility to have a Pump Permit  
taken out by a registered master plumber or certified pump installer.  
It will be my responsibility to notify the Health Department before  
and during the installation so that inspections can be made by their  
representative. (Pursuant to Chapter XVII, of the Plumbing Code of  
Howard County.)

*Michael Bost*

\_\_\_\_\_  
(Name)

*3456 Harrington Dr.  
Ellicott City Md. 21043*

\_\_\_\_\_  
(Address)

*HO-81-1508*

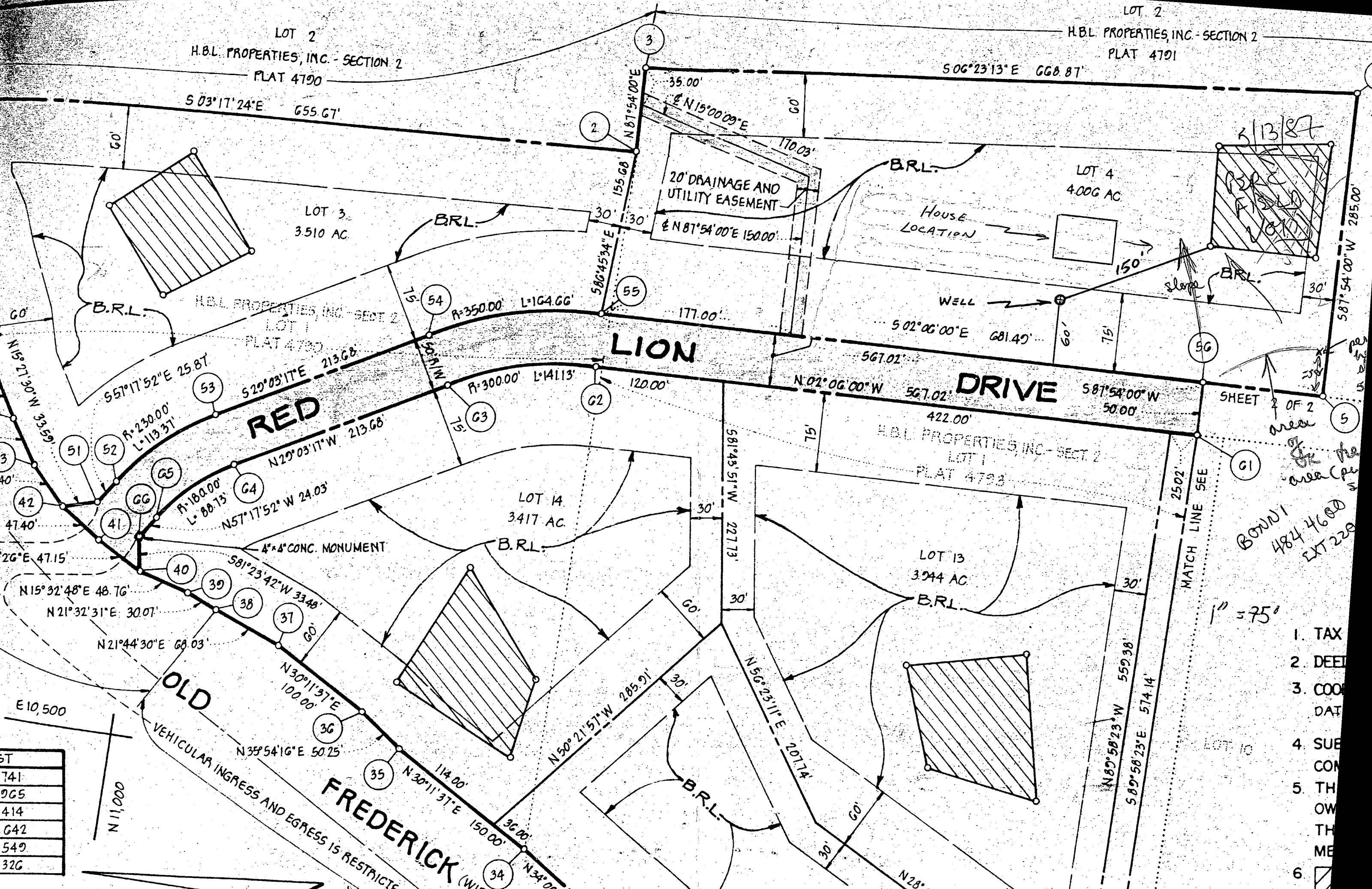
\_\_\_\_\_  
(OEP Well Permit Number)

*454-9306  
AFTER 6- 461-2503*

\_\_\_\_\_  
(Date)

LOT 2  
H.B.L. PROPERTIES, INC. - SECTION 2  
PLAT 4790

LOT 2  
H.B.L. PROPERTIES, INC. - SECTION 2  
PLAT 4791



SHEET 2 OF 2  
area  
area (pe  
BOUND  
484 4600  
EXT 220

1" = 75'

1. TAX
2. DEED
3. COO  
DAT
4. SUB  
COM
5. TH  
OW  
TH  
ME
6.

ST
741
265
414
642
549
326

E 10,500  
N 11,000

VEHICULAR INGRESS AND EGRESS IS RESTRICTED  
FREDERICK (WIDTH)

SEPTIC SYSTEM INFORMATION

INVERT @ HOUSE: *81.6 called Scott Shamaburger*

SEPTIC TANK

EX. GR. 80.6  
 FIN. GR. 84.5  
 INV. IN 82.2  
 INV. OUT 81.9

DISTRIBUTION BOX

EX. GR. 84.0  
 FIN. GR. 84.0  
 INV. IN 81.3  
 INV. OUT 81.1

TRENCHES (2' WIDE)

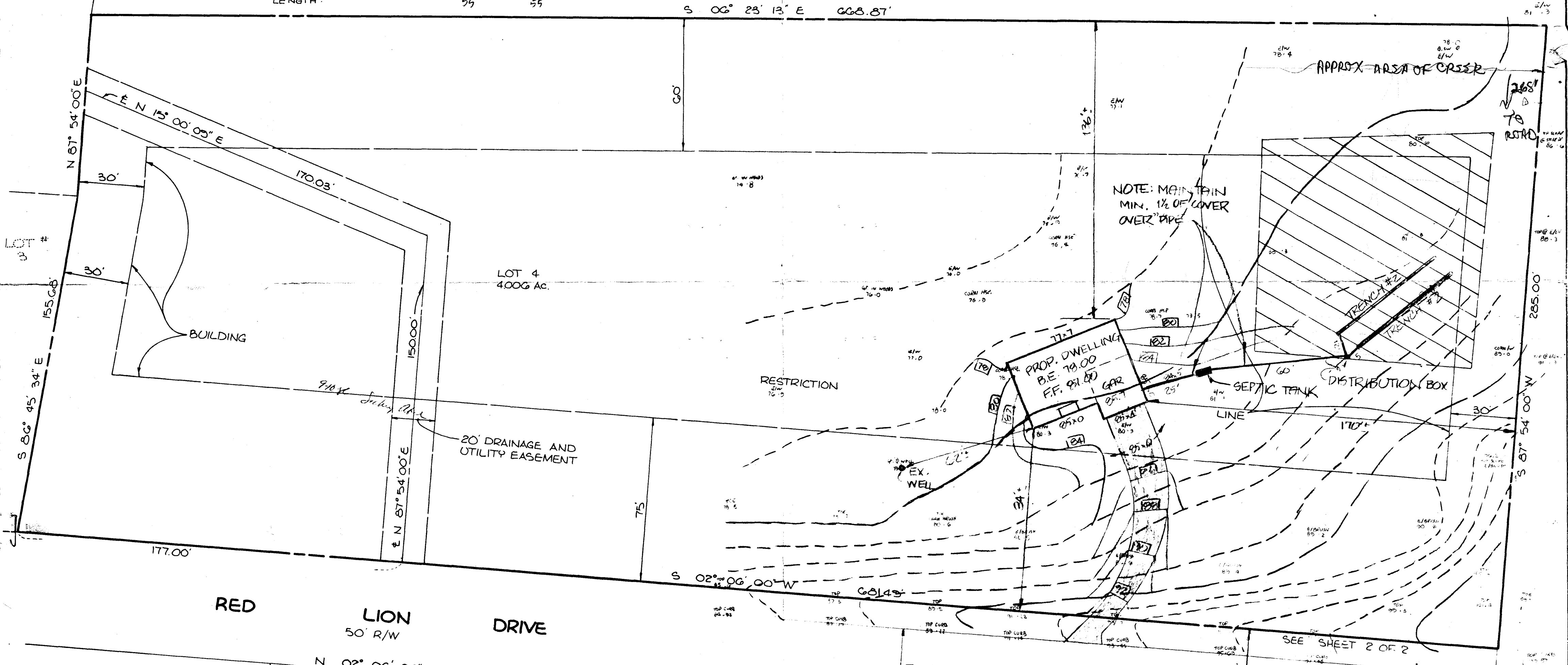
	#1	#2
EX. GR.	84.0	83.0
FIN. GR.	84.0	83.0
INV. IN	81.0	80.0
BOTTOM OF STONE	76.0	75.0
LENGTH:	55	55

*elevations of w/  
 invert out of house change*

BLDG. PERMIT SIGNED  
 AND RETURNED *9-10-81 S. Adel*  
 BP# 72683

LOT 2  
 H.B.L. PROPERTIES, INC. - SEC. 2  
 PLAT 4751

LOT 2  
 H.B.L. PROPERTIES,  
 INC. - SEC. 2  
 PLAT 4750



SITE PLAN & GRADING STUDY  
**LOT 4**  
**RED LION INN ESTATES**  
 PLAT # 502G  
 4<sup>TH</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MD.  
 SCALE: 1" = 30' DATE: 8/16/80  
**SHANABERGER & LANE**  
 8726 TOWN & COUNTRY BLVD.  
 SUITE 203  
 ELLICOTT CITY, MD. 21043  
 (301) 461-9563

