

C-0 2/18/94  
2/28/94 - pm (later)  
ICOP 4/11/94

# PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49881

A 41317A

DISTRICT 5th

DATE 2-15-94

DATE SYSTEM APPROVED 2/28/94

INSPECTOR SKS

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

Van Sant Plumbing & Heating

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 3 North Avenue, Mt. Airy, Maryland 21771 PHONE 795-6566

SUBDIVISION Ashleigh Knolls LOT 1 ROAD 12099 Simpson Road

PROPERTY OWNER Winchester Homes, Inc.

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

240  
4

960

320  
31960

LINEAR FEET OF TRENCH REQUIRED 240

NOT  
FURNISHED

TRENCHES - Trench to be 3 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 5½ feet below original grade. Effective area begins at 3½ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box on the 510' contour interval, approximately 140 feet from the rear lot line and 90 feet from the left lot line as seen when facing the property from Cottswood Lane. Run trenches along contour in both directions.

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

PLANS APPROVED BY C. Williams DATE 6/28/93

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 90 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

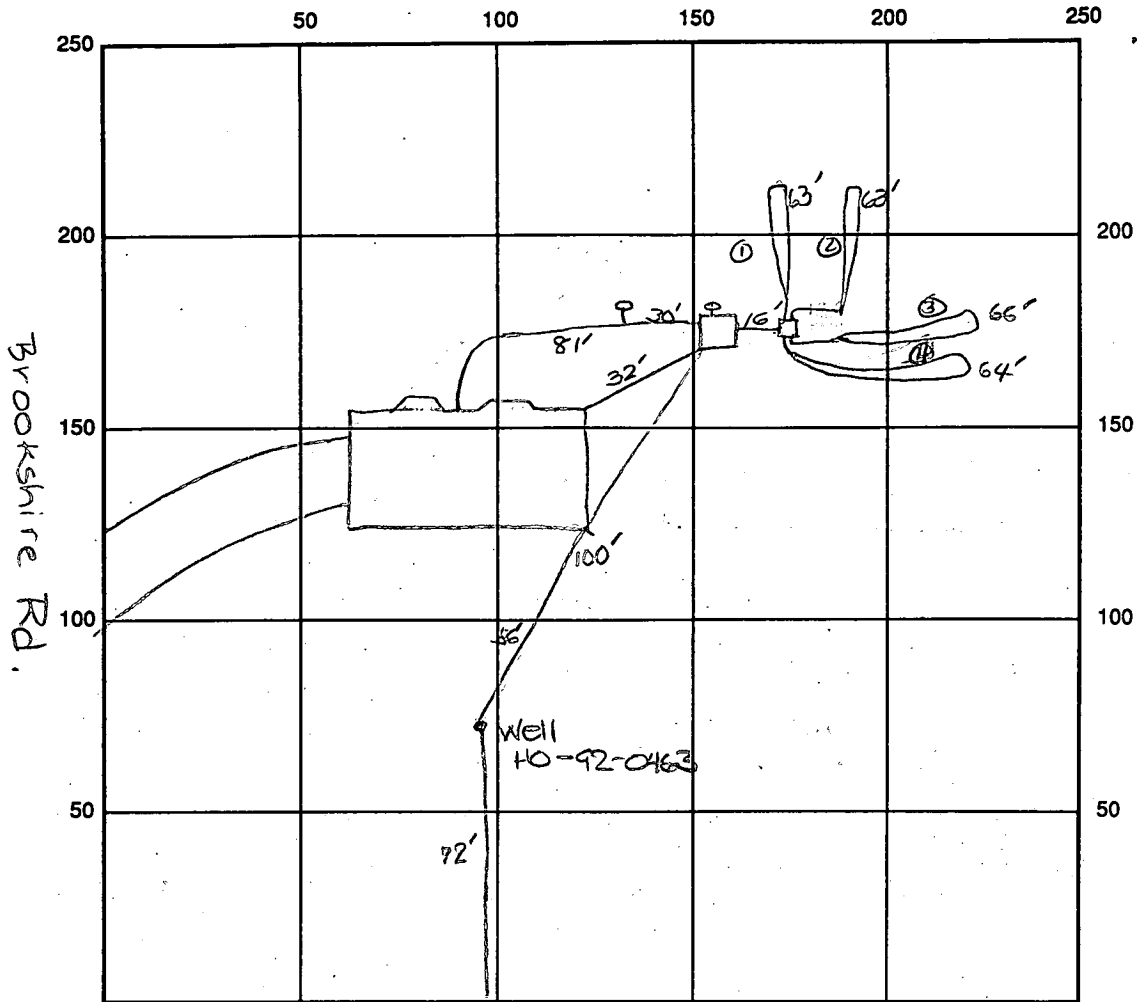
PERMIT VOID AFTER TWO YEARS

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

A 41317A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Simpson Rd.

SEPTIC TANK LEVEL OK -1250 CLEANOUTS OK - 1 in line, 1 on tank

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 5-5 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3-3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① 63' ② 66' ③ 189 ④ 198 FT. ② 63' ③ 189 ④ 192

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 768 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/18/94 OK to continue. Cover work from house to cleanout. EKS

2/28/94 OK to cover all work. JKS

DATE SYSTEM APPROVED 2/28/94

INSPECTOR

*[Signature]*

# APPLICATION

## PERCOLATION TESTING

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

*\* ORIGINAL TESTING FOR  
LARGE SEWAGE FACILITY - NOT APPROVED  
AT THIS LOCATION*

*PORTIONS OF THESE TESTS  
NOW APPLY TO LOTS 1, 2, + 3.  
SUFFICIENT SOIL CONDITIONS TO SUSTAIN  
APPROVAL FOR SITE SYSTEM ON  
EACH OF THESE LOTS. *ewallha* 3/14/94*

A 41317 (A)

P \_\_\_\_\_

DISTRICT 5 th

DATE 2/21/91

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.

*Winchester Homes, Inc*

PROPERTY OWNER Berwin Joint Venture c/o Winchester Homes Potomac Division

ADDRESS 818 West Diamond Avenue, Suite 300 PHONE (301) 670-1010  
Gaithersburg, Maryland 20878

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

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

PROPERTY LOCATION:

*ASHLEIGH KNOLLS*

SUBDIVISION

*Ashleigh Greene Section II*

LOT NO.

*I*

*ST (A 41317)*

*(490)*

ROAD AND DESCRIPTION

Intersections of Brown Bridge Road/Hall Shop Road,

Hall Shop Road/Simpson Road

*(12099 Simpson Road)*

TAX MAP

41

PARCEL #

174

SIZE OF LOT

3.0 acres

TYPE BLDG.

Single Family

(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

*4-16-91 Recommend rejection JEN*

BLDG. PERMIT SIGNED

AND RETURNED

*6/28/93  
Serial # 49289-SFD  
4Bms*

# THIS IS NOT A PERMIT

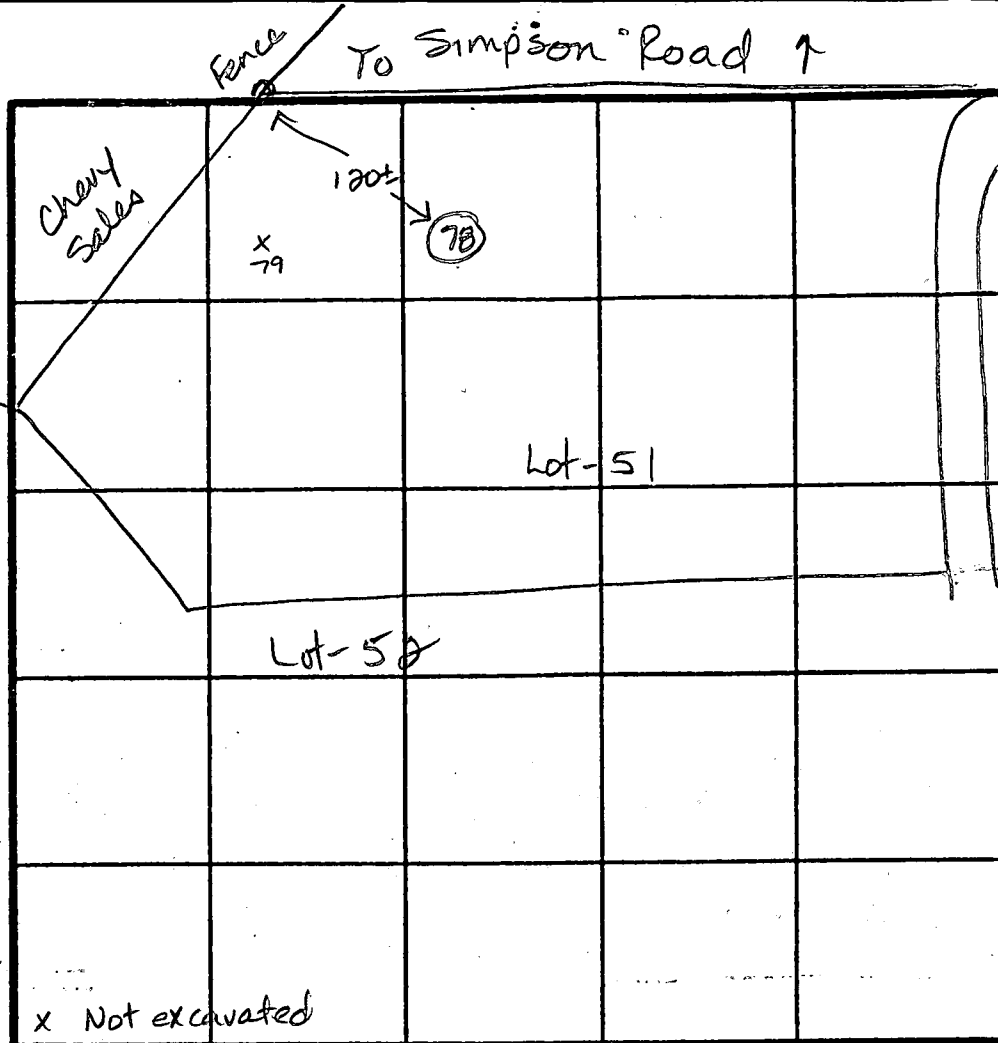
A 4317

(78)

## SOIL PROFILE

0-1.0	Dark br scl
1.0-4.5	Br-red scl
4.5-12.0	Red-yellow mottled c sil, trace of broken rock <10% Mottles at 5.5 ft Water at 10.5 ft Bottom

12.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/6/91	(78)	12.0 ✓	Mottles at	5.5 ft	H <sub>2</sub> O at	10.5 ft	Failed

REMARKS Shallow depth to mottles = water tableTYPE OF SOIL 0-4.5 scl 4.5-12.0 Mottled c silTESTED BY Jane Nadeau

ALSO PRESENT

Alan K  
Ralph Price

# APPLICATION

PERCOLATION TESTING

A 41317

P \_\_\_\_\_

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

DISTRICT 5th

DATE 2/2/88

WS 1989 1/2

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 Winchester Homes, Inc. Real Estate Development Group

ADDRESS 6301 Ivy Lane, Suite 714 PHONE 301-220-1117  
Greenbelt, Maryland 20770

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

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

PROPERTY LOCATION:

Prelim plat.

(4-91)

SUBDIVISION Ashleigh Greene Section II LOT NO. 51

ROAD AND DESCRIPTION Intersections Browns Bridge Road/Hall Shop Road,  
Hall Shop Road/Simpson Road

TAX MAP 41 PARCEL # 174

SIZE OF LOT 3.0 Ac. TYPE BLDG SF  
(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.

*BB Hamilton*

(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 6-7-88 Must retest lower holes (6,5) in wet season,  
evidence of mottled soils. VEN

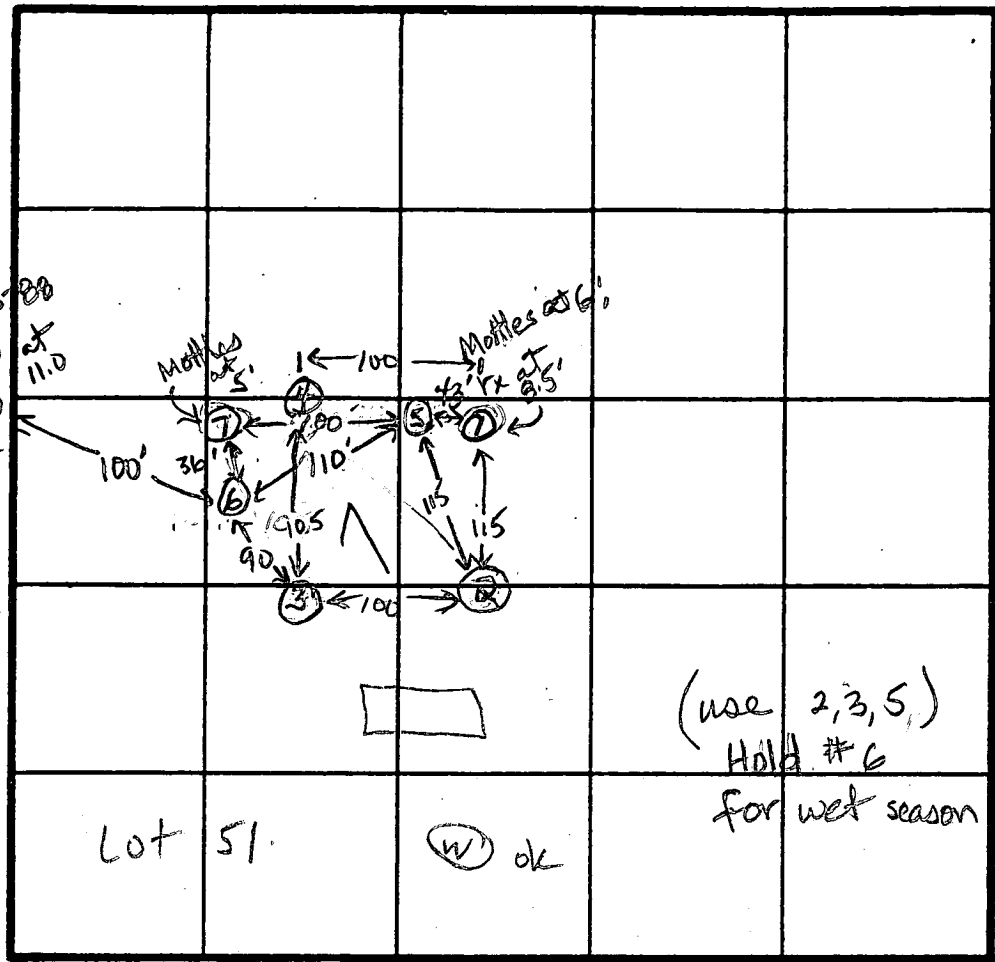
HD-216

## THIS IS NOT A PERMIT

High 2  
3  
Low 6  
5  
4-7  
②

SOIL PROFILE

0-5.0 Rd-br si cl 1m  
5.0-12.5 Rd-yellow mica sa si loamy, < 20% saprolite Bottom  
12.5



①  
0-5.5 Br si cl 1m  
5.5-11.5 Br-white mottled sa si 1m, some broken rock frags < 30% w/ structure at 8.5 ft  
11.5 Refusal

⑤  
0-4.5 Br si cl 1m  
4.5-13.0 Br mica sa si 1m, < 25% saprolite slight mottles at 13.0 Bottom

③  
0-6.0 Rd-br si cl loam  
6.0-13.0 Red mica sa si 1m, < 25% saprolite  
13.0 Bottom

④  
0-5.0 Br si cl 1m  
5.0-7.0 Br-white mottled sa si cl 1m  
7.0 Bottom

④ was mistakenly dug on top of hole ④ (4-88). Hole ④ was never logged in 4-88, JEN

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
Westcott Place

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-7-88	✓ 2	4.5 S	10:35	10:40	10:40	10:56	10min
		7.0 M	10:34	10:36	10:36	10:38	2min
		12.5 D	Bottom				ok
	✓ 3	13.0 V	(see profile)				ok
	6	5.5 S	11:09	11:15	11:15	11:40	25min
		13.0 D	Bottom (Trc of mottling at 8.5 ft)				Hold for wet season
	⑦	11.5 V	(see profile - mottles at 6.0 ft, structure at 8.5 ft)				Failed
	5	5.0 S	10:57	11:02	11:02	11:07	5min
		13.0 D	Bottom (slight mottles at 12.0 ft)				Hold for WS
✓	⑦	7.0 V	(see profile - mottles at 5.0 ft)				Failed

REMARKS 4-28-88 No water in any of 4 holes opened in wet season by mistake. JEN  
6-7-88 Holes # 6 & 5 must be held for wet season testing. JEN  
TYPE OF SOIL 0-5 Rd-br si cl 1m, 5-13 Rd-tan mica sa si 1m, < 25% saprolite  
TESTED BY ALF. Nadeau ALSO PRESENT Rocky, Burley Hammil Skip

# APPLICATION

PERCOLATION TESTING

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

A. 41317  
P. 5th

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

ADDRESS

PHONE

PROSPECTIVE BUYER

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

ROAD AND DESCRIPTION

TAX MAP

PARCEL #

SIZE OF LOT

TYPE BLDG

(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

HD-216

## THIS IS NOT A PERMIT

A 41317

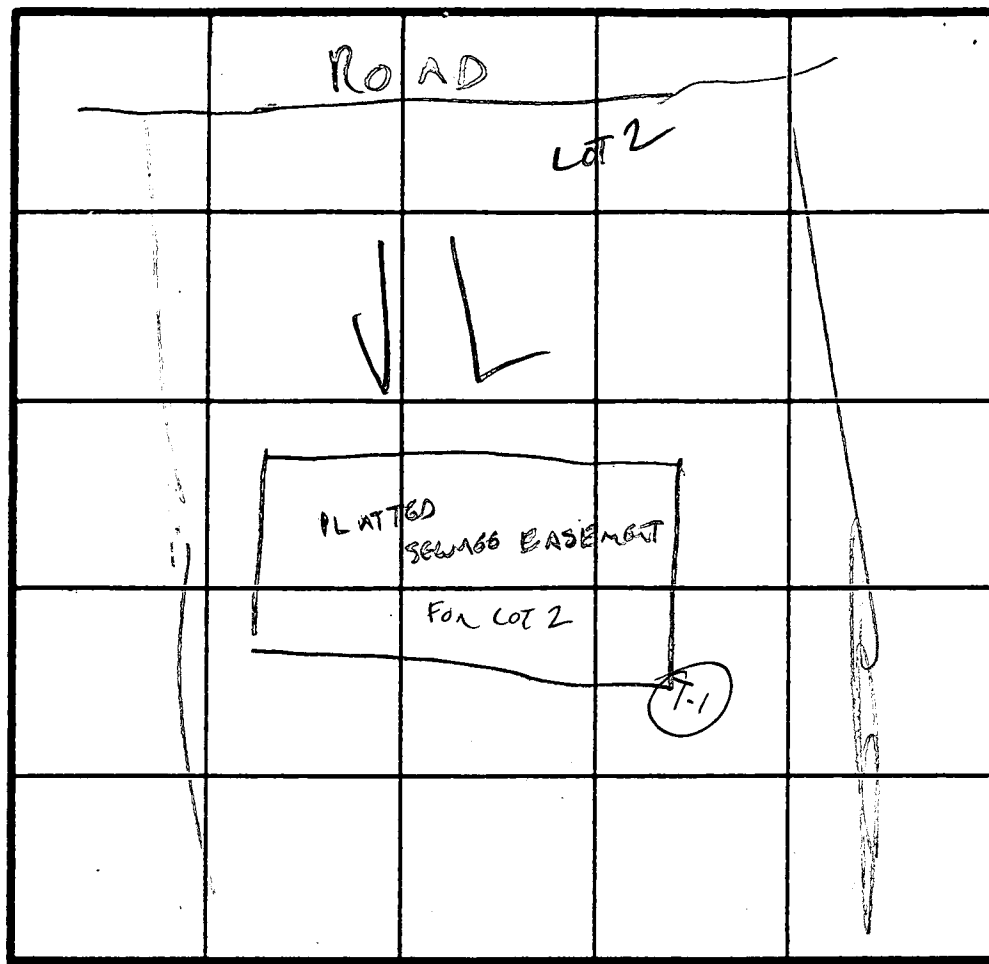
(6)

SOIL PROFILE

0-4.5 Br sil  
lm

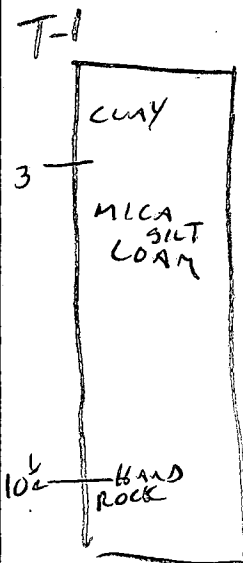
4.5-13.0 Br-tan  
mica  
sa si  
lm, little  
mottling  
at 8.5 ft  
trc of  
saprolite  
< 10%  
Bottom

13.0



$\bar{x} =$   
Inlet = 4.5'  
Bottom = 6.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



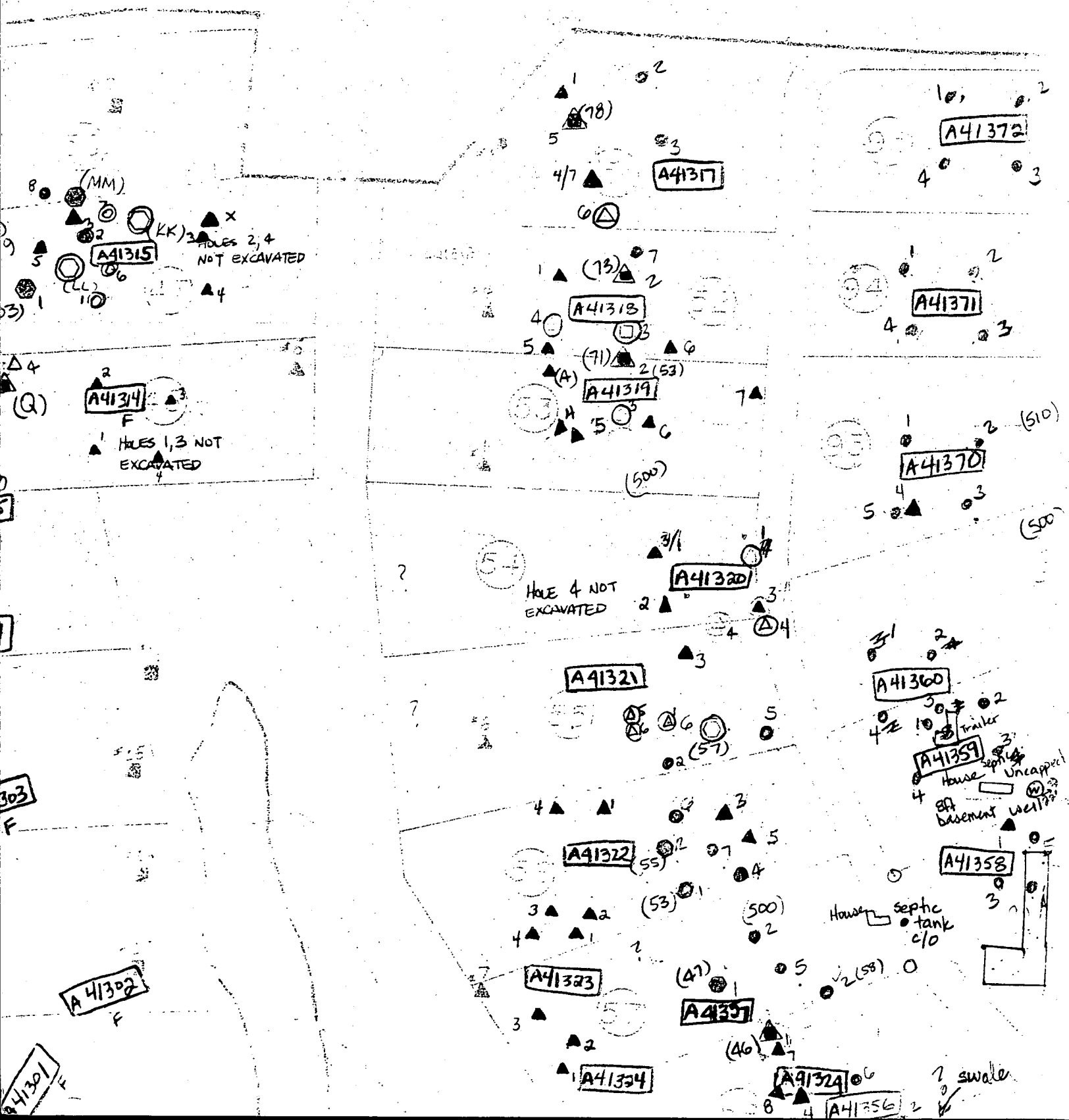
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/7/94	T-1	3'	11:49	11:58	11:58	12:10	12 MIN
		10 1/2'	VIS OK	3-10 1/2'	THEN BED ROCK		
			NO SIGN OF		WATER TABLE PROBLEM		

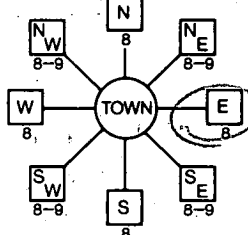
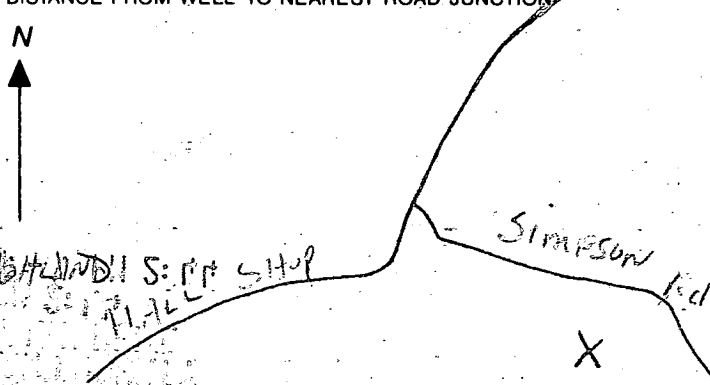
REMARKS TEST PERFORMED AFTER LOT WAS APPROVED  
TO RESOLVE SOME UNCERTAINTIES ABOUT T-10N TEST RESULTS,

TYPE OF SOIL OK FOR SHALLOW SYSTEM

TESTED BY 3/7/94 ALSO PRESENT *C. Williams*

no knowledge of holes



<b>B 1</b> 09928 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER 40-92-0463 <small>fill in this form completely</small>
<b>Date Received (APA)</b> 199793 <b>OWNER INFORMATION</b> 15 Last Name: HESTER Owner: HOMES 34 First Name: [blank] 38 Street or RFD: 6305 TINY LAKE 55 57 Town: CREEK BELT 70 State 72: MD 74 Zip: 20771 76		<b>B 3</b> <b>LOCATION OF WELL</b> 1 2 40-92-0463 8 COUNTY: HARRIS 21 23 SUBDIVISION: 05411211 KNOX 42 SECTION: E LOT: 1 44 46 48 50 52 NEAREST TOWN: HIRSHLAND 71 MILES FROM TOWN (enter 0 if in town) 1 MI 73 76 77 78	
<b>DRILLER INFORMATION</b> George F. Easterday Driller's Name L. Franklin Easterday, Inc. Firm Name 9265 Brown Church Rd., MT. Airy, Md. 21771 Address Signature: <i>George F. Easterday</i> Date: 9/4/93 77 License No. 80: 40		<b>B 4</b> 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  11 NEAR WHAT ROAD: SIMPSON RD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 50 37 DISTANCE FROM ROAD ENTER FT or MI: FT 38 39	
<b>B 2</b> <b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL 17A COUNTY NAME: Howard COUNTY NO.: A41336 STATE SIGNATURE: [blank] INSERT S: [blank] 41 DATE ISSUED: 092293 43 48 CO SIGNATURE: [blank] EXP. DATE: 9/1/94 NORTH GRID: 458000 EAST GRID: 087000 50 55 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		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 E: 8200 N: 4808 000 000	
APPROXIMATE DEPTH OF WELL 300 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		X Grout only 9/30/93 Note 9:45 AM ① 10/4/93 red grout ③ (No one around) 10/4 - 9:40 to 9:50 CBA	
<b>METHOD OF DRILLING</b> (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTARY DRIVE-POINT other:		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 [blank] 52		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER [blank] GAP [blank] 54 63 FORCE: 20 WRITE INITIALS IN BOX PERMIT No. 40-92-0463 67 68 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS			

C1 0581

SEQUENCE NO.  
(DENV USE ONLY)STATE OF MARYLAND  
WELL COMPLETION REPORTFILL IN THIS FORM COMPLETELY  
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.COUNTY  
NUMBER

A 41336

ST/CO USE ONLY

DATE Received

8						13
---	--	--	--	--	--	----

DATE WELL COMPLETED

093093

Depth of Well

22 400 26  
(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

A2-92-0468

OWNER

last name

first name

TOWN

STREET OR RFD

SUBDIVISION

SECTION

LOT

## WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS  
PENETRATED, THEIR COLOR, DEPTH,  
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use  
additional sheets if needed)FEET  
FROM TOCheck  
if water  
bearing

TOP soil	0	2	
red clay	2	4	
brown shale	4	12	
Sand silt	12	69	
clay mixed	69	85	
Mica	85	86	✓
Sand Stone	86	135	
Mica	135	136	✓
Flint	136	400	
Mica			

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)yes no  
Y N  
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 75 ft.  
(enter 0 if from surface)casing  
types  
insert  
appropriate  
code  
below

## CASING RECORD

ST CO  
STEEL CONCRETE  
PL OT  
PLASTIC OTHERMAIN  
CASING  
TYPENominal diameter  
top (main) casing  
(nearest inch)Total depth  
of main casing  
(nearest foot)

ST

6

80

EACH  
CASINGOTHER CASING (if used)  
diameter depth (feet)  
inch from to


screen type  
or open hole  
insert  
appropriate  
code  
below

## SCREEN RECORD

ST BR HO  
STEEL BRASS OPEN  
BRONZE HOLE  
PL OT  
PLASTIC OTHERC2  
EACH  
SCREEN

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

GRAVEL PACK

IF WELL DRILLED WAS

FLOWING WELL INSERT

F IN BOX 68

68

OEP USE ONLY

(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE  
CASINGLOG  
INDICATOR

OTHER DATA

C 3

## PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.  
to nearest gal.)METHOD USED TO  
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

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 USETYPE 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)

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)

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  
WELLI 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 PRE-  
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF  
MY KNOWLEDGE.

DRILLER'S IDENT. NO.

DRILLER'S SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)SITE SUPERVISOR (sign. of driller or journeyman  
responsible for sitework if different from permittee)

COUNTY

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 ☒  
Replacement ☐

Receipt # - 0 -  
Date 1/5/94

Name of Installer Van Sant Plumbing & Heating Telephone 829-0444

License Number 1467

Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒

Name of Property Owner Winchester Homes Telephone 474-4411

Subdivision Ashley Knolls Lot # 1 Well Tag # HD-92-0463

Site Address 12099 Simpson Rd Clarksville, MD

Pump

1. Type
  - a. Deep well jet ☐
  - b. Shallow well jet ☐
  - c. Submersible ☒

2. Make Campbell

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 3/4"

2. RPM

3. Voltage

a. 110

b. 220 ☒

Pitless Adapter

1. Make Campbell

2. Model # B10X

3. Depth 48"

Tank

1. Capacity 100

2. Pressure relief valve? 1/50

Piping

1. Type P.S.

2. Size 1"

3. NSF and/or BOCA Code approved ☒

4. Depth of supply line 48"

Well data

1. Depth  ft.

2. Yield  GPM

3. Static water level  ft.

4. Will water supply be disinfected by installer? ☒

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: Harold De Vries

Date: 1/17/93

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



# DAMES & MOORE

ANNAPOLIS OFFICE PLAZA, 170 JENNIFER ROAD, SUITE 230, ANNAPOLIS, MARYLAND 21401  
(410) 224-5640 FAX: (410) 224-5646

8 October 1993

Mr. Craig Williams  
Chief, Water and Sewer Program  
Howard County Health Department  
Bureau of Environmental Health  
3525 H Ellicott Mills Drive  
Ellicott City, Maryland 21043

Re: Ashleigh Knolls Subdivision Proposed Wastewater Treatment Site  
Subsurface Wastewater Disposal Area Requirements

Dear Mr. Williams:

Attached is a plan of the above referenced project delineating two areas relative to wastewater disposal requirements. These areas are defined as follows.

1. The green line shows the limits of the land suitable for subsurface disposal based on soil testing by the Howard County Health Department. This includes approximately twenty-nine acres.
2. The black line delineates the area required to site 18,222 linear feet of three foot wide, sand filled, wastewater disposal trench, **twenty feet** on center. The area delineated is approximately seven acres.

Based on Howard County Health Department Guidelines, which require sixty linear feet of trench per bedroom, and assuming four bedrooms per home, the proposed 123 home subdivision would require 29,520 linear feet of disposal trench. Using a trench spacing of twelve feet on center the area required to install 29,520 linear feet of trench is approximately eight acres. A copy of the related calculations is attached. Therefore, the total area required for one Howard County system and two replacement areas is twenty four acres. The twenty-nine acres available is therefore adequate to meet the requirements.

In addition, pursuant to our discussion we offer the following comments relative to the proposed disposal trench cross-section.

1. The trench cross-section using infiltrators and concrete sand fill was proposed in order to protect the infiltrative surface of the deep permeable soils.
2. The proposed concrete sand has a percolation rate substantially faster than the receiving soils.

Lisahd:\Winchest\Craig.ltr



Mr. Williams

Page 2

8 October 1993

3. The standard loading rate used for sand of the quality proposed is 1.2 gallons per square foot per day. The design used a loading rate 0.45 gallon per square foot per day because published data indicates that the long term acceptance rate (LTAR) of sands is less than the 1.2 gallons per square foot per day generally accepted by the U.S.E.P.A. and most state agencies.
4. The use of the infiltrators instead of stone increases the systems capacity to accommodate surge loads by a factor of three.
5. The use of the infiltrators on a sand column facilitates rehabilitation of clogged sands should this occur. The trenches could be excavated, the infiltrators removed, and the surface restored to it's original capacity. This feature is impossible using conventional stone filled deep trench cross-sections.

Upon review of the presented information , should you have any questions please do not hesitate to contact me at (410) 224-5640.

Sincerely,

A handwritten signature in cursive script, appearing to read "George A. Frigon", followed by the word "for" in a smaller, handwritten font.

George A. Frigon  
Chief Engineer  
Eastern Division Design Group

Job No. 09110/02058 Job ABILEIGH KNOLLS SUBDIVISION  
Client WINCHESTER Subject AREA REQUIREMENTS

A. REQUIREMENTS / ASSUMPTIONS / GIVEN.

1. SIXTY (60) LINEAR FEET OF TRENCH PER BEDROOM.
2. FOUR (4) BEDROOMS PER HOME
3. ONE HUNDRED TWENTY THREE (123) HOMES
4. TRENCH SPACING: TWELVE (12) FEET ON CENTER.
5. LATERAL LENGTH: TWO (200) FEET WIDE FED IN THE CENTER LEAVING ONE HUNDRED (100) FOOT LONG LATERALS.

B. LINEAR FEET OF TRENCH REQUIRED.

$$(60 \text{ LF/BR}) (4 \text{ BR/H}) (123 \text{ H}) = 29,520 \text{ LF REQUIRED.}$$

C. AREA REQUIRED

1. NO OF TRENCHES -  $29,520 \text{ LF} \div 200 \text{ LF/TRENCH} = 148 \text{ TRENCHES}$
2. WIDTH OF TRENCHES -  $148 \text{ TRENCHES} (12 \text{ FT/CENTER}) = 1776 \text{ FEET.}$
3. AREA OF TRENCHES -  $(1776 \text{ FT}) (200 \text{ FT}) = 355,200 \text{ SQ. FT.}$

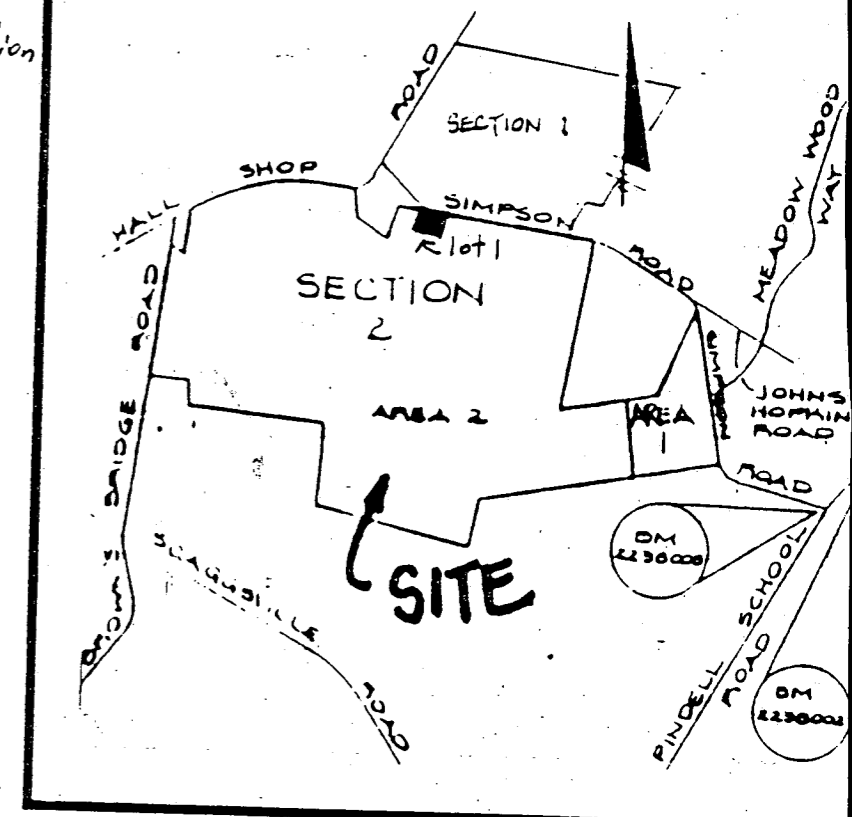
D. CONVERSION TO ACRES

$$355,200 \text{ SQ. FT} \div 43,560 \text{ SQ FT/ACRE} = 8.2 \text{ ACRES.}$$

AREA  $\approx$  8 ACRES

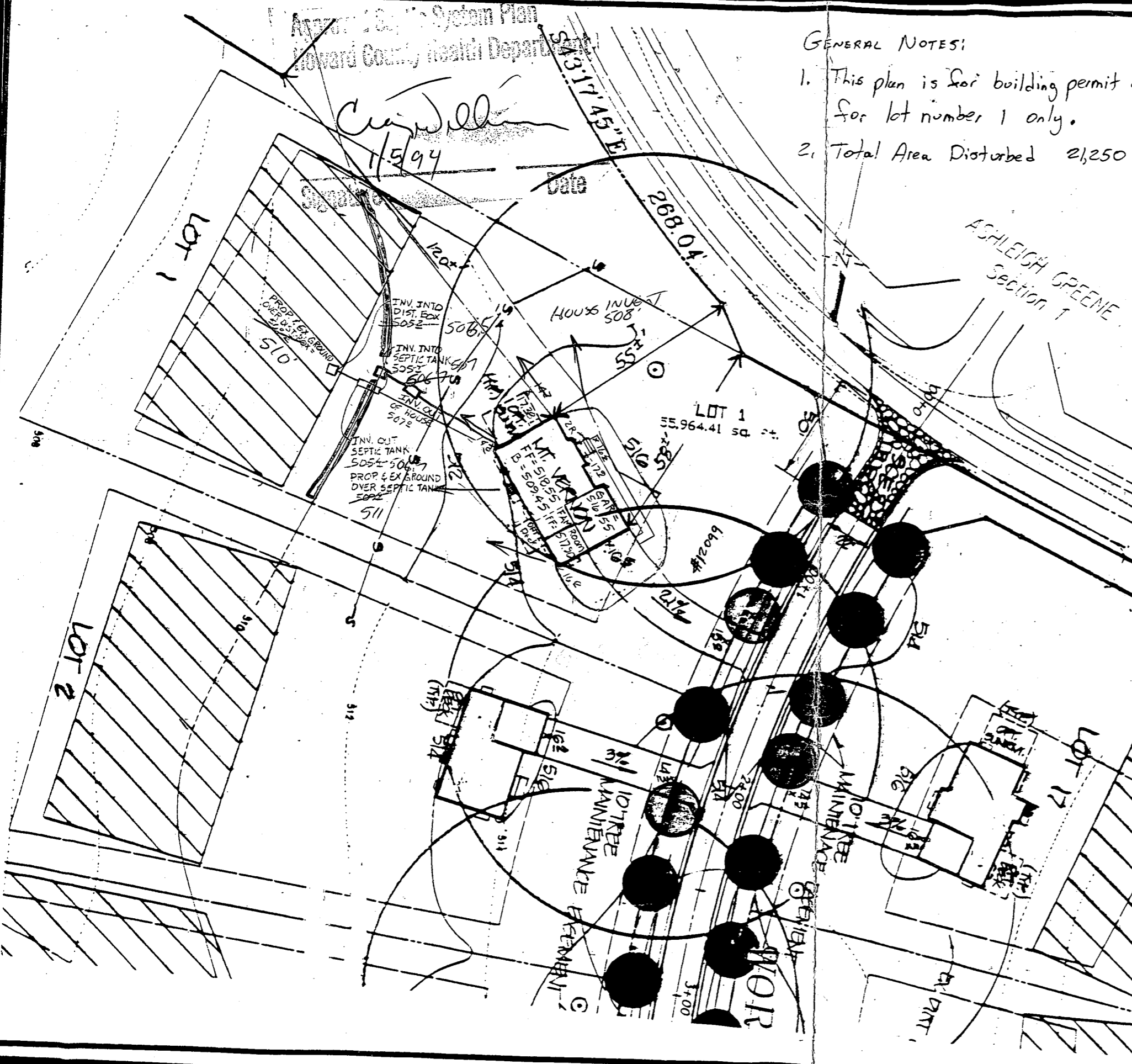
# GENERAL NOTES:

1. This plan is for building permit application for lot number 1 only.
2. Total Area Disturbed 21,250 sq. ft.



## VICINITY MAP

Scale: 1" = 2000'



## PHASE ONE Ashleigh Knolls

(Formerly Ashleigh Greene, Section 2, Area 2)

12099 Simpson Road

## SITE PLAN LOT 1

Tax Map 41 PARCEL 174

**M**ILDENBERG,  
**M**OCHI & ASSOCIATES, INC.  
ENGINEERS • SURVEYORS • PLANNERS

3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350  
(410) 461-0078 D.C. Metro: (301) 621-5766 Fax (410) 750-6340

Current Zoning: RR  
Sketch Plan: S-86-80  
Prelim. Plan: P-89-25  
Prelim. Equiv. Sketch: SP-93-0  
Waiver: WP-93-6  
Final Plan: F-93-11

Scale 1"=50'

89027.03

RAM

SHEET 1 OF 1

Winchester  
Homes

818 West Diamond Avenue, Suite 300  
Gaithersburg, Maryland 20878  
Tel (301) 670 1010  
Fax (301) 921 0380



June 17, 1993

Mr. Craig Williams, Director  
Water & Sewerage Program  
Howard County Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, Maryland 21043-4544

Re: Ashleigh Knolls  
Model Lot Permit

Dear Mr. Williams:

As you are aware, we are in the process of filing for a building permit to construct a model home on future lot number 1 of Ashleigh Knolls F-93-116. At this time, we request permission to obtain our building permit prior to construction of the well. It is our intention to provide a private water supply by onsite well for this lot after construction of the model. The attached Site Plan shows the potential well location and the future adjacent lot well and septic locations. We understand that use and occupancy of the house will not be granted by your department without providing the well.

We appreciate your continued assistance with this exciting project. If you have any questions, please feel free to call me or our engineer Bob Mochi at (410) 461-0078.

Sincerely,

WINCHESTER HOMES, INC.

*Kevin Rogers*  
Kevin Rogers

June 8, 1993

Ms. Elmina Hilsenrath, Chief  
Howard County Department of Planning & Zoning  
3430 Courthouse Drive  
Ellicott City, MD 21043

Re: Ashleigh Knolls F-93-116  
Model Permit

Dear Ms. Hilsenrath:

Our client wishes to obtain a model permit for Phase I of the above-referenced project. The model shall be placed on future lot number 1 of F-93-116 currently under review. In discussions with Richard Blood of your office he suggested that we notify DPZ in writing of our intentions. We would appreciate confirmation in writing that your office understands that this model unit would become future lot number 1 under F-93-116. We would like to attach your letter to our building permits package to expedite the permit process and eliminate any future confusion.

We have enclosed a copy of our site plan for the model unit along with the F-93-116 record plat currently under review. If you have any questions, please feel free to call.

Sincerely,  
MILDENBERG, MOCHI & ASSOCIATES, INC.

  
Robert M. Mochi, P.E.  
Vice President

cc: Kevin Rogers

89027.01/cap