

10-2-90
LTD. NOTION
10-3-90 12 noon

05-405564

PERMIT

SEWAGE DISPOSAL SYSTEM

47021
P ~~47021~~
A 37284

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEX-TIME EXPIRED FOR F.C.O.P.

DISTRICT 5th
DATE 9/29/91

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

COMPLIANCE

DATE SYSTEM APPROVED 10-3-90

INDEXED

7/15/93

INSPECTOR JEN
JBG

C. Williams / C.P.D.

Hy and Lowe

IS PERMITTED TO INSTALL X ALTER

ADDRESS 7000 Warfield Road, Gaithersburg, Maryland 20760 PHONE 926-5924

SUBDIVISION Williams Contrivance LOT 18 ROAD 9450 Lovat Road

PROPERTY OWNER American Heritage Homes, Inc.

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

BUILDING PERMIT SIGNED
AND RETURNED
BOO136192 DECK 900 sq. ft. total

LINEAR FEET OF TRENCH REQUIRED -225

TRENCHES - Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 175 feet from the front lot line and 130 feet from the right lot line. Run trenches along contour toward right 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. GH/CW

BUILDING PERMIT SIGNED

AND RETURNED 6/28/2002
DATE 9/02/88

PLANS APPROVED BY C. Williams

BOO137114 UG PROPANE TANK

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH **BUILDING PERMIT SIGNED**

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH **AND RETURNED** 4-18-02

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

BOO135578-IG PODL

PERMIT VOID AFTER TWO YEARS

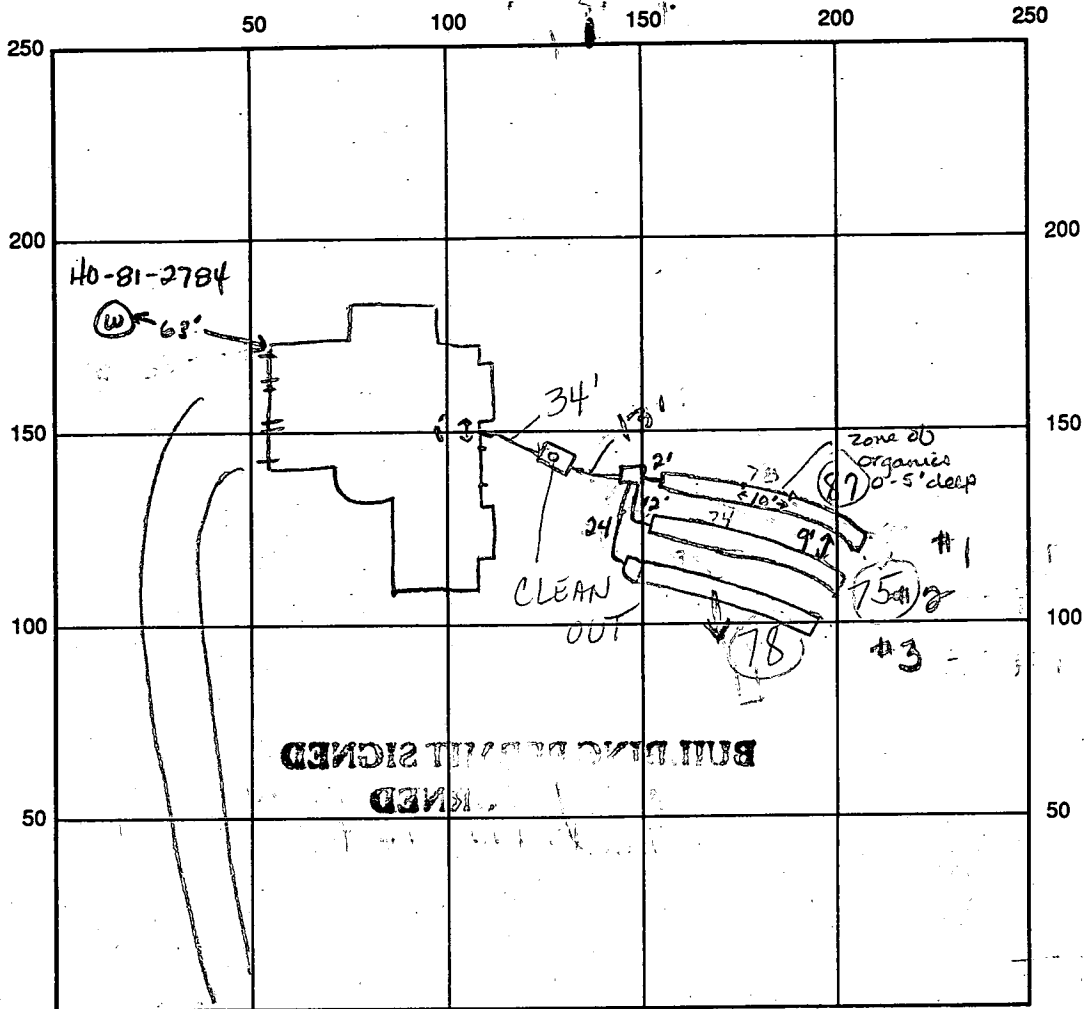
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 37284

WPL BY
EASTON DAY
9/20/90
NO INSP.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Lovat Road

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL ok w/ baffle

DRAIN FIELD TITLE DEPTH 3 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 3 3 FT. ✓

EFFECTIVE GRAVEL DEPTH 5 5 5 FT. TOTAL LENGTH 87 75 78 FT. ✓

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 391 375 390 SQ. FT.

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

ABSORBENT AREA 1156 SQ. FT.

REMARKS: 10-2-90 ok to fill trenches and add pipe and paper. Extend
place organic fill area in center of trench. JEN
OK TO COVER 9/20 10-3-90

DATE SYSTEM APPROVED 10-3-90

INSPECTOR J. Hartshorn / Jane E. Maden

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 # 46398
Date 9/27/90

Name of Installer L. Franklin Easterday, Jr.

Telephone 831-7057

License Number _____
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Allen Sowers Telephone 774-6283
Subdivision WMS Carriyana Lot # 18 Well Tag # HO-81-2784
Site Address Lovat Dr.

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
- Make Goulds Pump
- Model # 5ES05422
- Capacity 5 GPM
- Pump exceeds well capacity Yes No
- If Yes, is low pressure cutoff switch installed? Yes No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Motor

- Horsepower 3/4
- RPM 3450
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Martison
- Model # B-107
- Depth 4

Tank

- Capacity 32 gal
- Pressure relief valve? yes

Piping

- Type _____
- Size 1 1/2" IB
- NSF and/or BOCA Code approved yes
- Depth of supply line 4 1/2"

Well data

- Depth 280 ft.
- Yield 20 GPM
- Static water level 32 ft.
- Will water supply be disinfected by installer? yes

9/20/90 no in sp.

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: [Signature] CWD/PT

Date: 9-20-90

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

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 37284

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

DATE 6/26/86

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 C. Ellsworth Jager Am. Mortgage Homes, Inc. 384-7479

ADDRESS 11788 Route 216 Fulton, Maryland 20759 PHONE 725-2075

PROPERTY LOCATION:

SUBDIVISION Williams Contrivance LOT NO. + 18

ROAD AND DESCRIPTION 9450 ~~End of~~ Lovet Road

SIZE OF LOT 3.1 acres TYPE BLDG. residential
(NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

C. Ellsworth Jager
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Akel FOR Deep Septer DATE 6-12-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 6-12-89
BP-26952
SAL

THIS IS NOT A PERMIT

1E
SOIL PROFILE

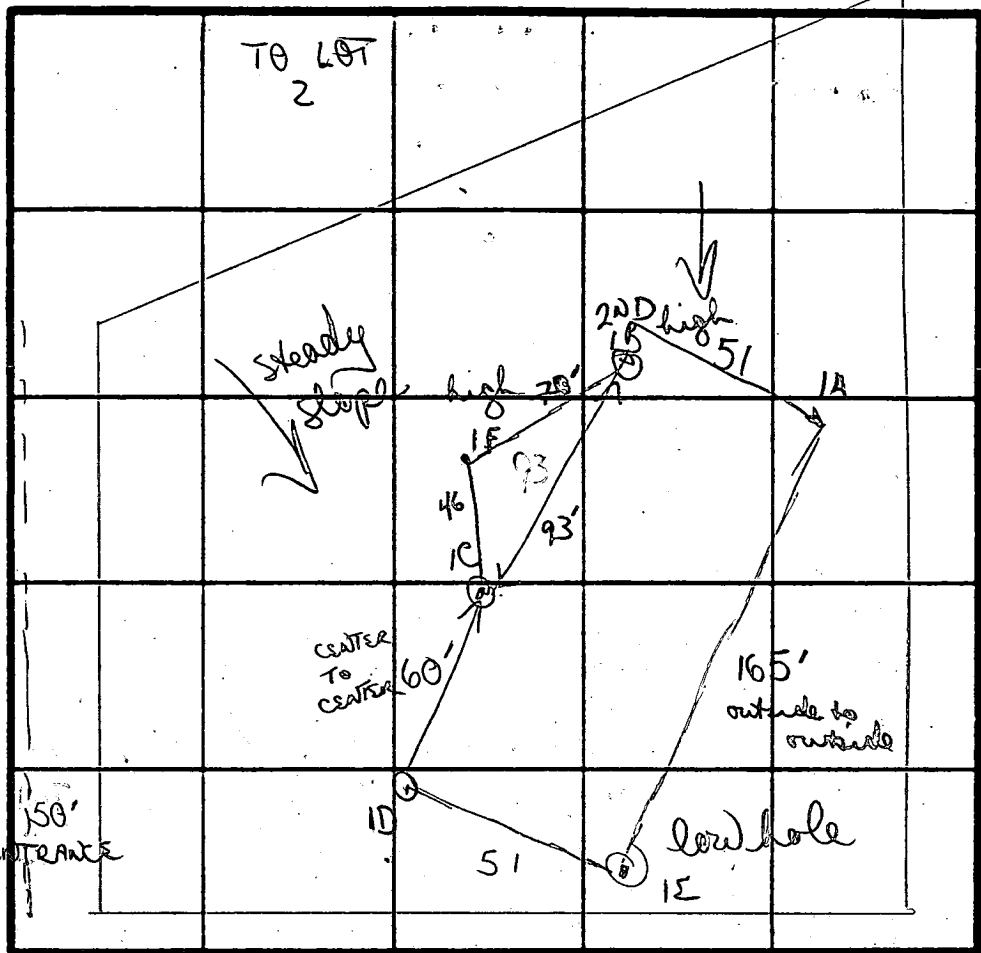
0' powdery silty clay loam

3 1/2' powdery tan brown silty mica loam

11' hard rock

11 1/2' TO LOT 3

150' ENTRANCE



1B

orange/red chunky clay silty loam

4 1/2' changing into tan powdery silty mica loam

45' 1-1/2" rock

13' D

1D

tan/purple silty mica loam

45% small frag rock

12 1/2' D

1C

orange/brown silty clay loam

2 1/2' powdery tan silty mica loam

rock

11' hard bottom

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

TO RESERVOIR RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	1E	3' 5"	948	949	949	950	1 MIN
		11 1/2' D	hard rock				
		2 1/2'	952	953	953	954	1 MIN
	1D	12 1/2'	bottom				
	1C	VISUAL					
		11 1/2'	hard rock bottom				
	1B	5' 8"	959	1000	1000	1002	2 MIN
		9' 1"	959	1001	1001	1003	2 MIN
		13' D	bottom				
	1A	5' 5"	1006	1013	1013	1025	12 MIN

1A

orange/tan silty clay loam

4 1/2' changing into silty mica

11' rock frag

11 1/2' hard

REMARKS: NO LOT LINES MARKERS (NO SIGNS NO TABLE PROBLEM) OVER

TYPE OF SOIL: predominately silty mica loams (little clay) hard bottom on a few

TESTED BY: D W Yon ALSO PRESENT: Ship

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE. 992-2330

A 37284

P _____

DISTRICT 5th

DATE 6/26/86

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 C. Ellsworth Iager

ADDRESS 11788 Route 216 Fulton, Maryland 20759 PHONE 725-2075

PROPERTY LOCATION:

SUBDIVISION Williams Contrivance LOT NO. X 18

ROAD AND DESCRIPTION End of Lovet Road

SIZE OF LOT 3.1 acres TYPE BLDG. residential
(NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

C. Ellsworth Iager
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



SOIL PROFILE

0
orange
brown silty
clay loam
-2 1/2'
light tan
sandy
silty loam
4/5-10%
9' - small
weathered
+ hard rock
12 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	1F	VISUAL ONLY 12 1/2' bottom					

REMARKS NEEDED IF VISUAL TO GET 10,000

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH 12 1079

C1 9568 SEQUENCE NO. (DENV USE ONLY)
 1 2 3 4 5 6 7 8
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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-37284**

DATE Received 07/07/88 DATE WELL COMPLETED 07/07/88 Depth of Well 22 50 26 (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-81-2784

OWNER AMERICAN INDUSTRIAL HOME last name LOVAT first name ROBERT TOWN FALLON
 STREET OR RFD WILLIAM CENTERLINE SECTION 18 LOT 18

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		Check if water bearing
	FROM	TO	
Top soil	0	1	
Red clay	1	3	
BR. mica	3	30	
Grey mica	30	100	
Blue mica	100	175	
White mica	175	205	
Grey mica	205	220	
White mica	220	240	
Blue mica	240	280	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS 10 NO. OF POUNDS 1000
 GALLONS OF WATER 50
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 35 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 38

OTHER CASING (if used)
 diameter inch from to

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

C2
 DEPTH (nearest ft.)
 1 140 2 38 3 280
 8 9 11 15 17 21
 23 24 26 30 32 36
 38 39 41 45 47 51
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN 56 (NEAREST INCH)

A CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 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. 40
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OPERATOR USE ONLY
 (NOT TO BE FILLED IN BY DRILLER)
 TELESCOPE CASING LOG INDICATOR 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 P. 11
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 3
 WHEN PUMPING 15
 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**
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (nearest ft.) 43 47
 CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE (nearest foot)
- below } 49 (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)
 125'
 50'
 U.L. LOT LINE

B 1 **6490** SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

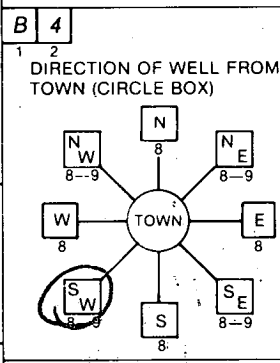
STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
H0-81-2784
fill in this form completely

Date Received (APA) **05/17/88**
OWNER INFORMATION
AMERICAN HERITAGE HM
Last Name Owner First Name
18228 DARNELL DK
Street or RFD
OKNEY Town **MD20832** State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
WILLIAMS CONTRIVANCE SUBDIVISION
SECTION **44** LOT **18**
FULTON NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) **2** MI

DRILLER INFORMATION
George F. Easterday
Driller's Name License No. **40**
L. Franklin Easterday, Inc.
Firm Name
9265 Brown Church Rd., Mt. Airy, Md. 21771
Address
George F. Easterday Signature **4/26/88** Date



B 4 **LOVAT RD** NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST EAST
DISTANCE FROM ROAD **220** FT
ENTER FT or MI **FT**

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 **A-37284** COUNTY NO.
STATE SIGNATURE _____ INSERT S
DATE ISSUED **July 1988** EXP. DATE **12-7-88**
CO SIGNATURE _____
NORTH GRID **487000** EAST GRID **0823000**
477 **0818**

- 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 **200** FEET

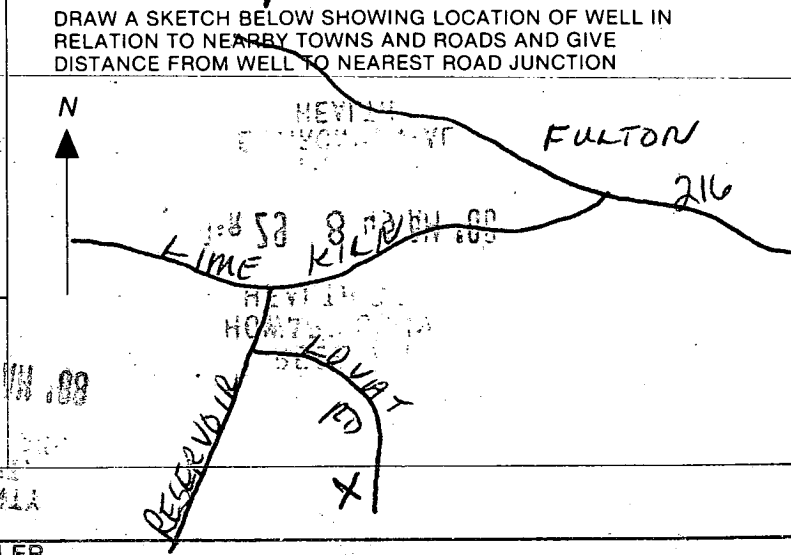
APPROXIMATE DIAMETER OF WELL **6** INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVerse-ROTary Drive-POINT
other _____

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

Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER _____
FORCE **SA** INITIALS PERMIT NO. **H0-81-2784**

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
818
4077



SPECIAL CONDITIONS
DRILLER

LOT 15

LOT 17

S26°47'02"E

490.00'

N33°04'28"W

LOT 18
3,000 ACRES

SEPTIC TANK

EXIST. GRADE
TOP = 412.80
INV. IN = 409.40
INV. OUT = 409.12
No Required

GRADING, DRAINAGE

UTILITY BSMT

SEPTIC AREA

1/2' shallow OK SA

+BSMT

FF-423
BF-414

BMOG. PERMIT SIGNED
AND RETURNED 6-12-89

BP26952
SJR

LOT 19

2'-5"
3'-6"

LOWVAT

3.5'

7'-10"+

ROAD

PLAN
SCALE 1"=50'

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
JUN 12 9 03 AM '89

I HEREBY CERTIFY THAT THE
INFORMATION SHOWN HEREON
IS TRUE AND CORRECT FOR THIS
PROPERTY.
Jefferson P. Lawrence 6-5-89
JEFFERSON P. LAWRENCE DATE
MP. REG. PROF. SURVEYOR #5216

OWNER/DEVELOPER:
AMERICAN HERITAGE
HOMES
18228 FARNELL RD.
OLNEY MD 20832
(301) 774-6283

PLAT: T270 LOT 18 SITE PLAN
WILLIAMS CONTRIVANCE ESTATES
50 ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



DEVELOPMENT
CONSULTANTS
GROUP, INC.
SURVEYORS, ENGINEERS & LAND PLANNERS

17904 GEORGIA AVE. #102
OLNEY, MARYLAND 20832
301-924-4570

DATE JUNE 89	SHEET 1
DRAWN BY ACH	OF 1
CHECKED SJR	PROJECT NO. 21801
SCALE 1"=50'	

147333