

4/3/95  
S.P.P.  
+ L.P.P.

4/5/95  
2-2-8

4/3/95 (2) P.C.O. C.B.S.

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50525

A 50057

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX-XX-XX~~ 313-2640

# 372216  
INDEXED

DATE 2-15-95

DATE SYSTEM APPROVED 4/5/95

INSPECTOR C. B. S.

L.F. Construction (Sam Lyons) IS PERMITTED TO INSTALL  ALTER

ADDRESS Scaggsville Road, Laurel PHONE 725-3392

SUBDIVISION Williams Property LOT 4 ROAD 13050 Greenberry Lane

PROPERTY OWNER Frances K. Williams & Robert B. Williams

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

? aka 13110 Greenberry LN

TRENCHES - Trench to be 3 feet wide. 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.

LOCATION - Place the distribution box 285 feet from the left (176.29') lot line and 35 feet off the rear (651.96') lot line as seen when facing the lot from Greenberry Lane. Run trenches along contour towards the front of the lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 11/21/94 DKS

PLANS APPROVED BY Donna K. Soe/Mark Rifkin REVISED \_\_\_\_\_ DATE 11/10/94

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

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

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

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

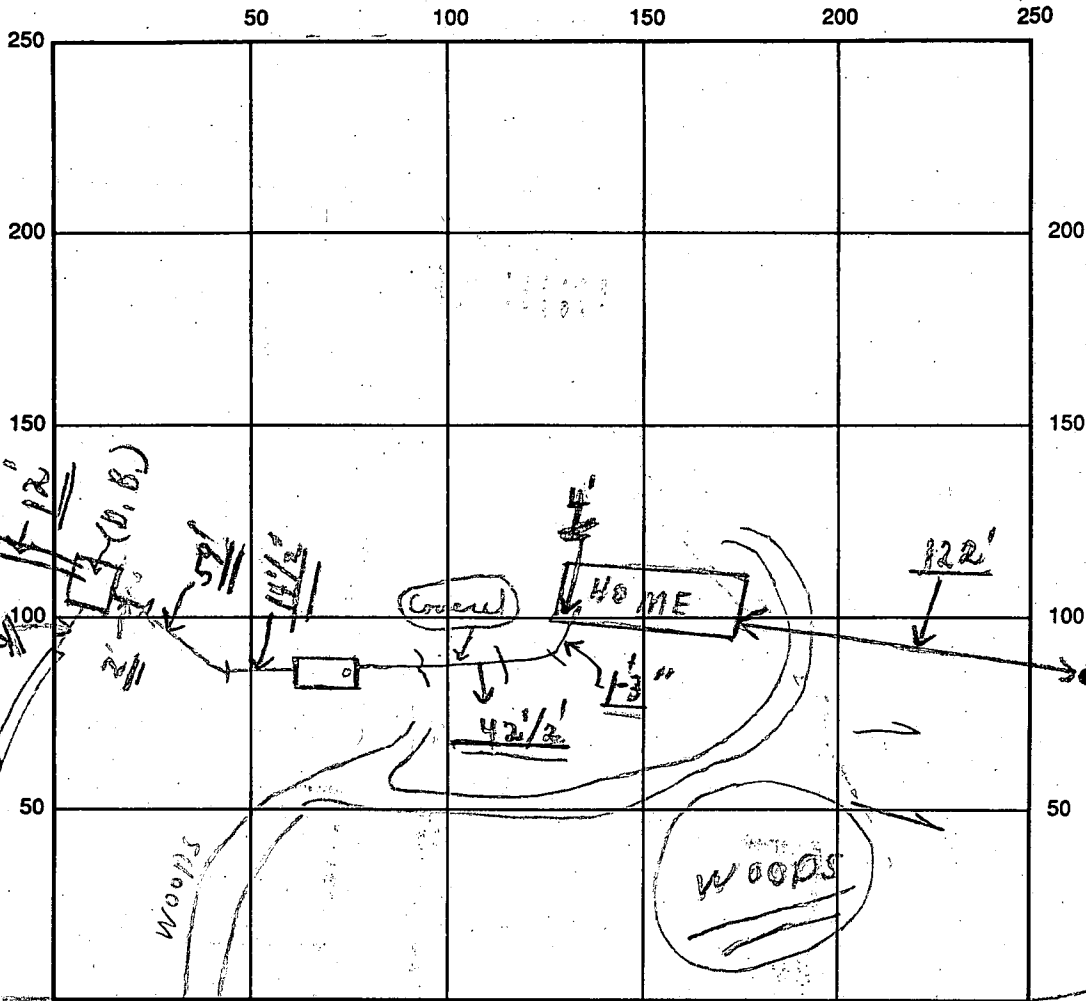
PERMIT VOID AFTER TWO YEARS

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

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 50057



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE →

SEPTIC TANK LEVEL OK Greenberry Lane S.T. OK RX.32

DISTRIBUTION BOX LEVEL OK (Yes Ballias 205)

DRAIN FIELD/TITLE DEPTH 5<sup>+</sup> FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 246 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 738 SQ. FT.

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

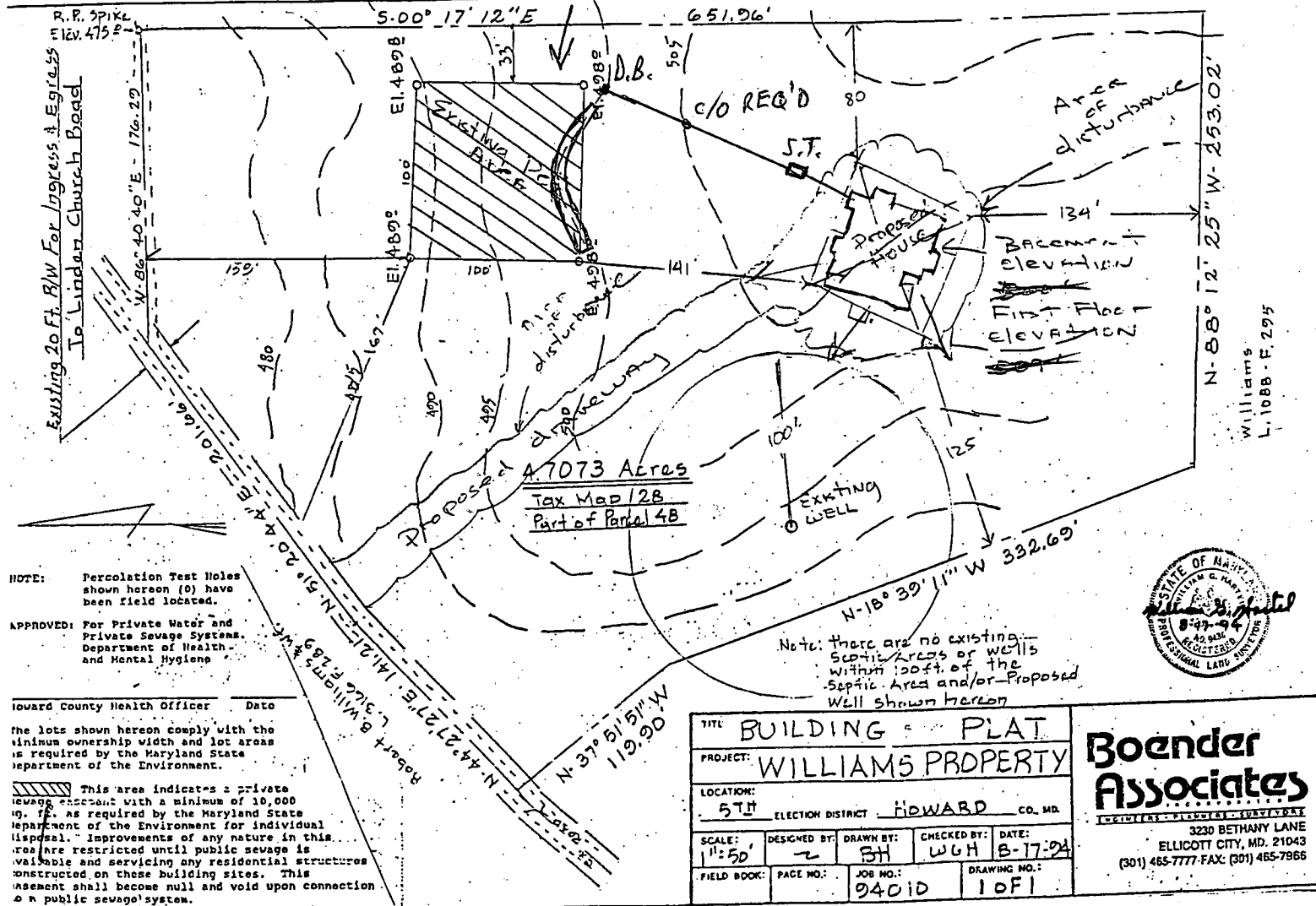
ABSORBENT AREA 738 SQ. FT. Later 4/3 of from house to D. Box + to cover only;

REMARKS: (O.M.) 4/3/95 of its continues - partial; are to lower ends  
of trenches open for inspection; 2 trenches dug  
already; 1st. Hold for a call Note: length on 3 trenches.  
4/5/95 all work done; find out 4th low ends of trenches only;

4/3 No W.P.I. call

DATE SYSTEM APPROVED 4/5/95 INSPECTOR Charles E. Stewart

# TRENCH DESIGN SCHEMATIC



NOTE: Percolation Test Holes shown hereon (O) have been field located.  
 APPROVED: For Private Water and Private Sewage Systems. Department of Health and Mental Hygiene

Howard County Health Officer Date  
 the lots shown hereon comply with the minimum ownership width and lot areas is required by the Maryland State Department of the Environment.  
 This area indicates a private sewage easement with a minimum of 10,000 sq. ft. as required by the Maryland State Department of the Environment for individual disposal. Improvements of any nature in this area are restricted until public sewage is available and servicing any residential structures constructed on these building sites. This easement shall become null and void upon connection to a public sewage system.

TITLE: BUILDING PLAT	
PROJECT: WILLIAMS PROPERTY	
LOCATION: 5TH	ELECTION DISTRICT: HOWARD CO. MD.
SCALE: 1"=50'	DESIGNED BY: WGH
DRAWN BY: SH	CHECKED BY: WGH
DATE: 8-17-94	
FIELD BOOK:	PAGE NO.: 9401D
JOB NO.: 10F1	DRAWING NO.:

**Boender Associates**  
 3230 BETHANY LANE  
 ELLICOTT CITY, MD. 21043  
 (301) 465-7777 FAX: (301) 465-7866

CLEANOUT REQ'D EVERY 70' OF LINE;  
 MANHOLE REQ'D @ S.T. IF S.T. IS > 3' BELOW FINISHED GRADE

FF: 510.2  
 BE: 502.2  
 Invert @ House = 500.7  
 Invert S.T. IN = 499.4  
 Invert S.T. OUT = 498.9  
 Inv. D.B. IN = 497.5  
 INV. Trench = 497.0  
 Ex. Elevation @ Trench = 500.0

Approved Septic System Plan  
 Howard County Health Department

Signature: *Mark E. Ryker*  
 Date: 11/1/94

F.D.P. 2000  
 Robert B. Williams  
 11/1/94

June 24, 1994

# APPLICATION

## PERCOLATION TESTING

A 50057

P \_\_\_\_\_

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

DISTRICT 5th

DATE May 27, 1994

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 Robert B. Williams

ADDRESS 13110 Greenberry Lane Clarksville, MD 21029 PHONE 410 531-3234(H) 465-5366 (wk)

AGENT OR PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION:

SUBDIVISION None LOT NO. None

ROAD AND DESCRIPTION 13050  
3.2 acres Greenberry Lane, Clarksville, MD

TAX MAP 28 PARCEL # 48

SIZE OF LOT 3.2 acres TYPE BLDG. single family dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. SIGNED  
AND RETURNED 11/01/94  
Serial # 50995-4Bmw

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.

Robert B. Williams  
(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 \_\_\_\_\_

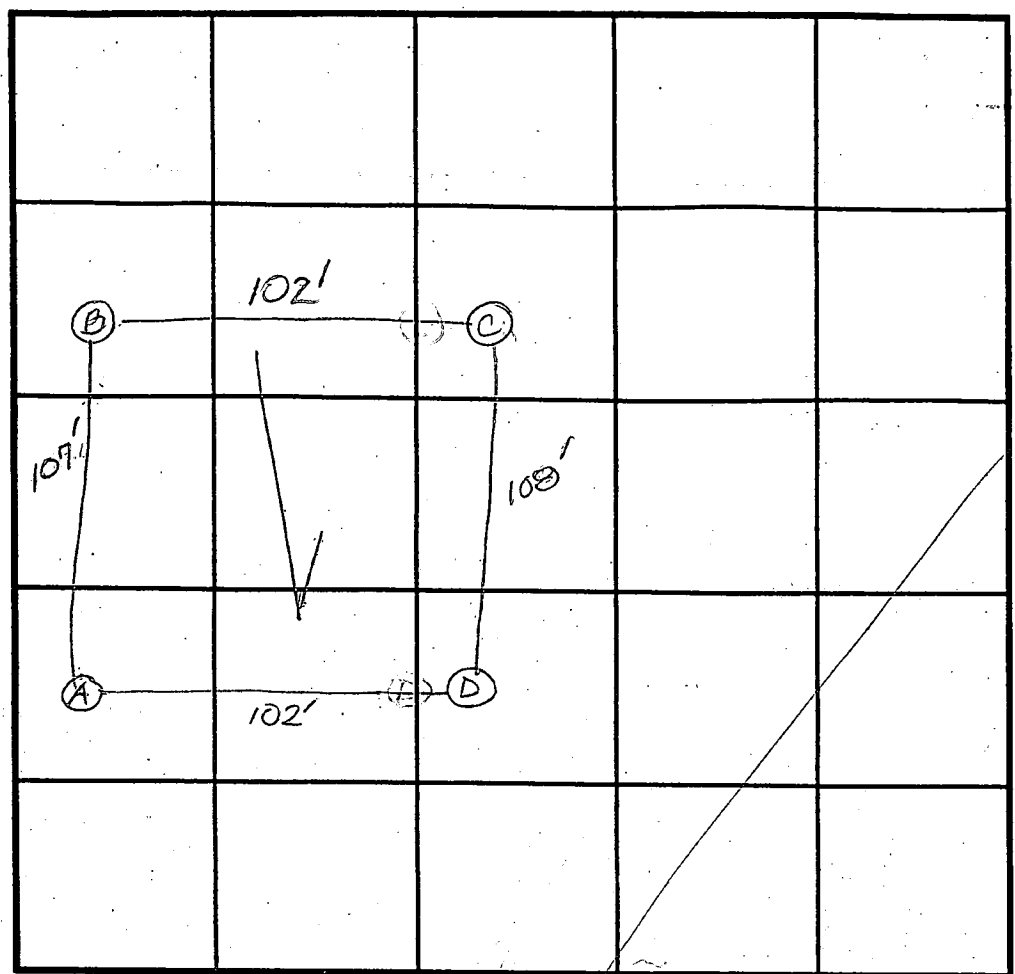
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

50057  
COUNTY #

SOIL PROFILE

1 0' (A)  
1' topsoil  
1' red br clay loam  
3' patches of quartzite (white)  
4-5' lt br to red br silty loam  
5-10% rock frags  
11.5'



SOIL PROFILE

0' (B)  
1' topsoil  
1' red br clay loam  
red br silty loam  
mica flecks  
shale  
5-10% rock frags  
12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
Greenberry Lane

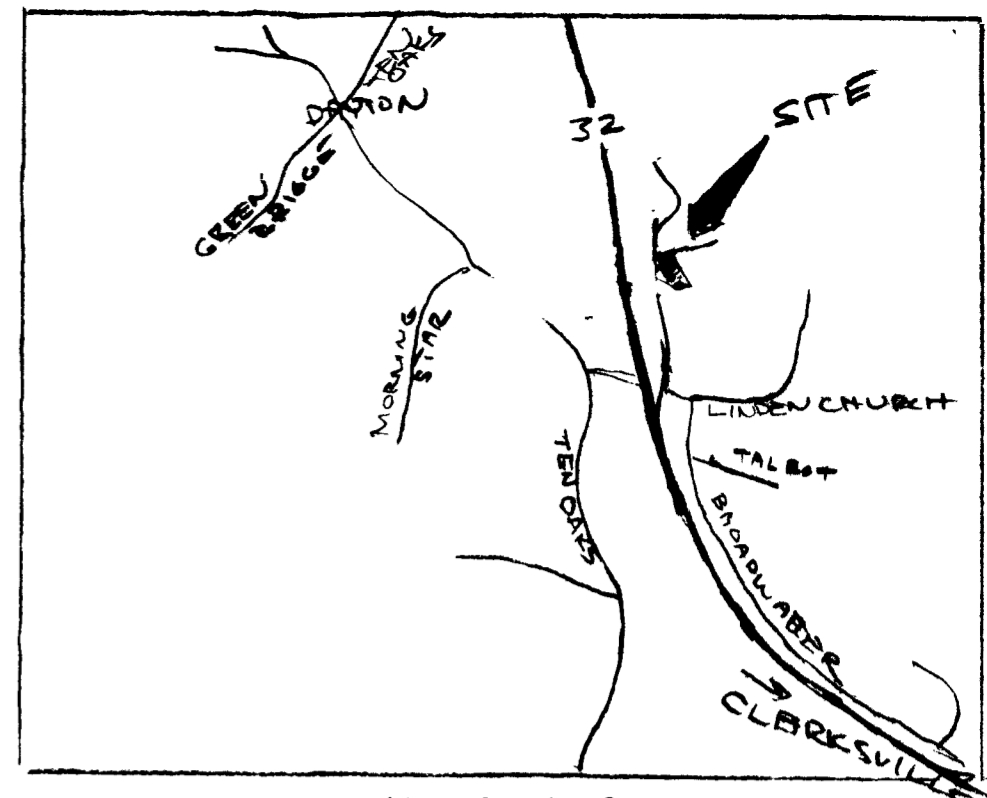
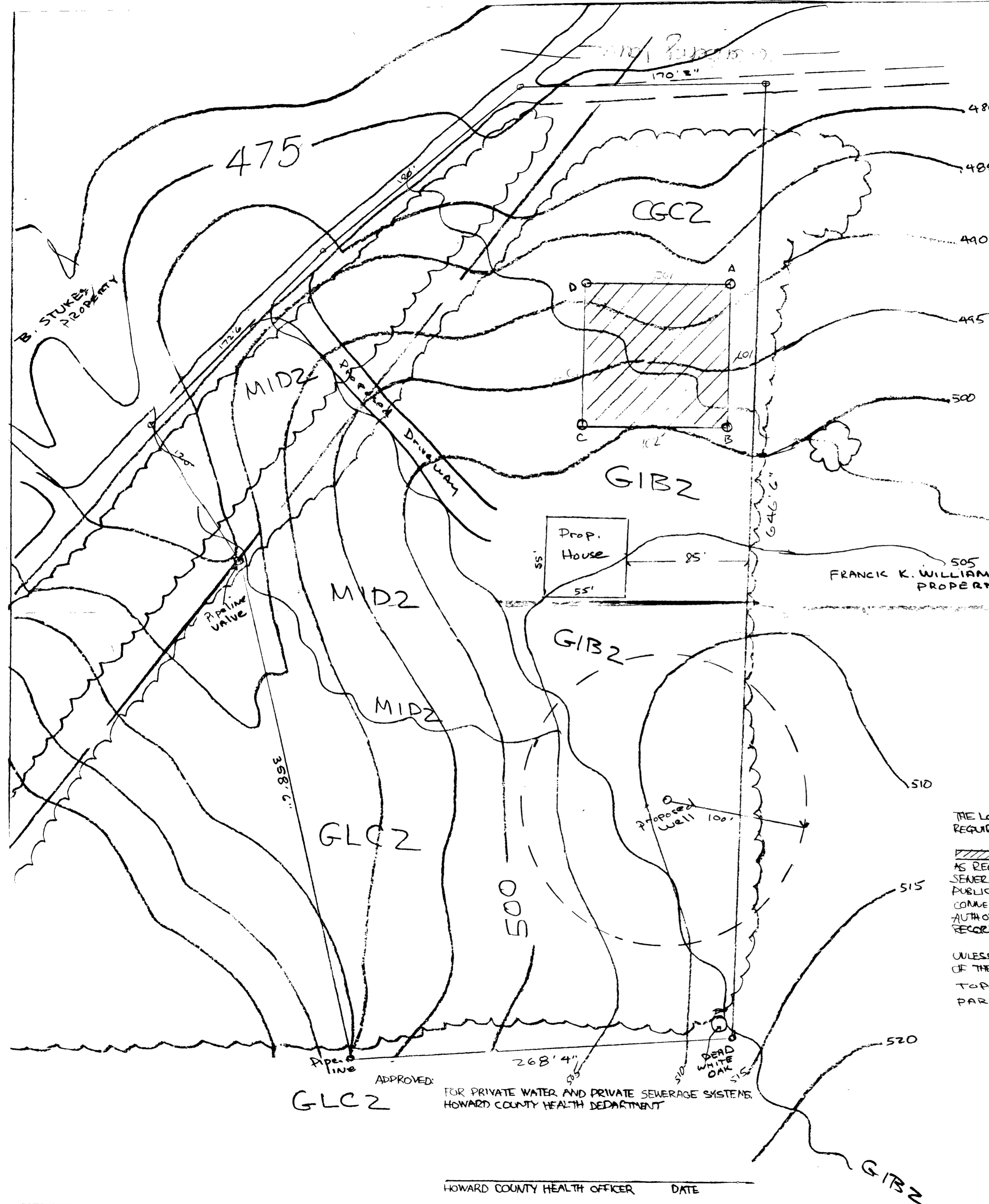
0' (A)  
1' topsoil  
1' red br clay loam  
3' red br to br silty loam  
mica flecks  
10% rock frags  
11' Hard bottom

0' (C)  
1' topsoil  
1' red br clay loam  
2' gravelly loam  
3' loam  
4' red silty loam  
5' red br loam  
7' shale  
8' rock  
15% rock frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/24/94	D	5.0' S	10:04 <sub>20</sub>	10:07 <sub>30</sub>	10:07 <sub>30</sub>	10:12 <sub>30</sub>	5
		11.5' B	see profile				
	A	4.5' S	10:38 <sub>30</sub>	10:41	10:41	10:45	4
		11.0' D	see profile				
	C	2.5' S	11:30	11:34	11:34	11:41	7
		14.0' M	11:15 <sub>30</sub>	11:18 <sub>30</sub>	11:18 <sub>30</sub>	11:21 <sub>30</sub>	3
		11.0' D	see profile				
	B	4.0' S	12:02	12:06	12:06	12:12	6
		12.0' D	see profile				

REMARKS: holes tested as stroked  
 TYPE OF SOIL:  
 TESTED BY: D. See ALSO PRESENT owner, Sam Lyons  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 TRENCH WIDTH 3  
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT/BEDROOM 180





VICINITY MAP  
SCALE 1" = 2000'



THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 1000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAN SHALL NOT BE NECESSARY.

UNLESS OTHERWISE SHOWN NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY

TOPOGRAPHY SHOWN IS COUNTY TOPO.  
PARCEL CONFIGURATION SHOWN IS PROPOSED

APPROVED:  
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE

R.B. WILLIAMS PROPERTY

Prelim. PERCOLATION CERTIFICATION PLAN  
Perc Plan 13110 GREENBERRY LANE

TAX MAP NO. 28 PARCEL 48  
DEED REF. 246/437 TAX ACCT# 05-372216  
STA. ELECT. DIST. OF HOWARD COUNTY MD  
SCALE 1" = 50' CLARKSVILLE

**B 1** **07782** 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  
**10-94-0194**  
 fill in this form completely

**Date Received (APA)**  
**070599** OWNER INFORMATION  
**WILLIAMS ROBERT**  
 8386 COURT AVE  
 ELLICOTT CITY MD 21043

**B 3** LOCATION OF WELL  
**Howard** COUNTY  
**WILLIAMS PROPERTY** SUBDIVISION  
 SECTION LOT  
**DAYTON CLARKSVILLE** NEAREST TOWN  
 MILES FROM TOWN **1** MI

**DRILLER INFORMATION**  
**George F. Easterday** Driller's Name  
**Franklin Easterday** Firm Name  
 Mt. Airy, MD 21771 Address  
**George F. Easterday 7-1-94** Signature Date  
**40** License No. 80

**B 4** DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
 NEAR WHAT ROAD **Green Berry Road**  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH WEST EAST SOUTH  
 DISTANCE FROM ROAD **150** 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**

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** COUNTY NAME  
**A50057** COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S  
 DATE ISSUED **090294**  
**CO SIGNATURE** **EXP. DATE**  
 NORTH GRID **510000** EAST GRID **0808000**

APPROXIMATE DEPTH OF WELL **300** FEET

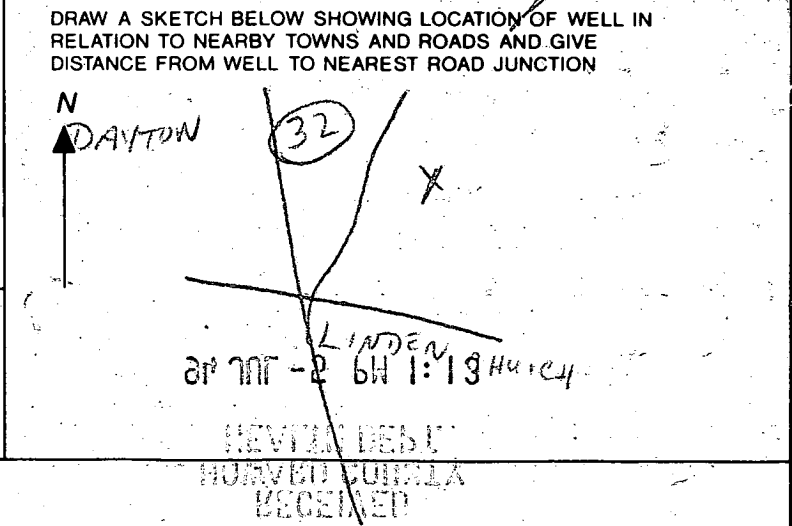
APPROXIMATE DIAMETER OF WELL **6** INCH

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. we 115  
 2. Bay of cement  
 3. gravel  
 4. casing  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E **808**  
 N **510**  
 9/19/94 No at 10:30  
 Tag

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 \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **DS** WRITE INITIALS IN BOX PERMIT No. **10-94-0194**



C1 4549

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A50057

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 09/29/94

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0194

OWNER Williams Robert last name first name STREET OR RFD Greenberry Lane TOWN Clarksville SUBDIVISION Williams Property SECTION LOT

WELL LOG Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include: Top soil, red clay, brown shale, Sand Stone, Mica, White Mica, Flint, White Mica, gray Mica, White Mica, GRAY MICA, Flint, Gray Mica, \* 300' DRY HOLE.

GROUTING RECORD WEEL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 21 NO. OF POUNDS 2100 GALLONS OF WATER 105 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 39 ft.

CASING RECORD casing types insert appropriate code below: ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE: ST Nominal diameter top (main) casing (nearest inch): 6 Total depth of main casing (nearest foot): 42

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

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

DEPTH (nearest ft.) 400 400 E A C H S C R E E N 1 2 3 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

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

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 3 WHEN PUMPING 199 TYPE OF PUMP USED (for test) 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: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (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) Well 500' side line Greenberry Lane

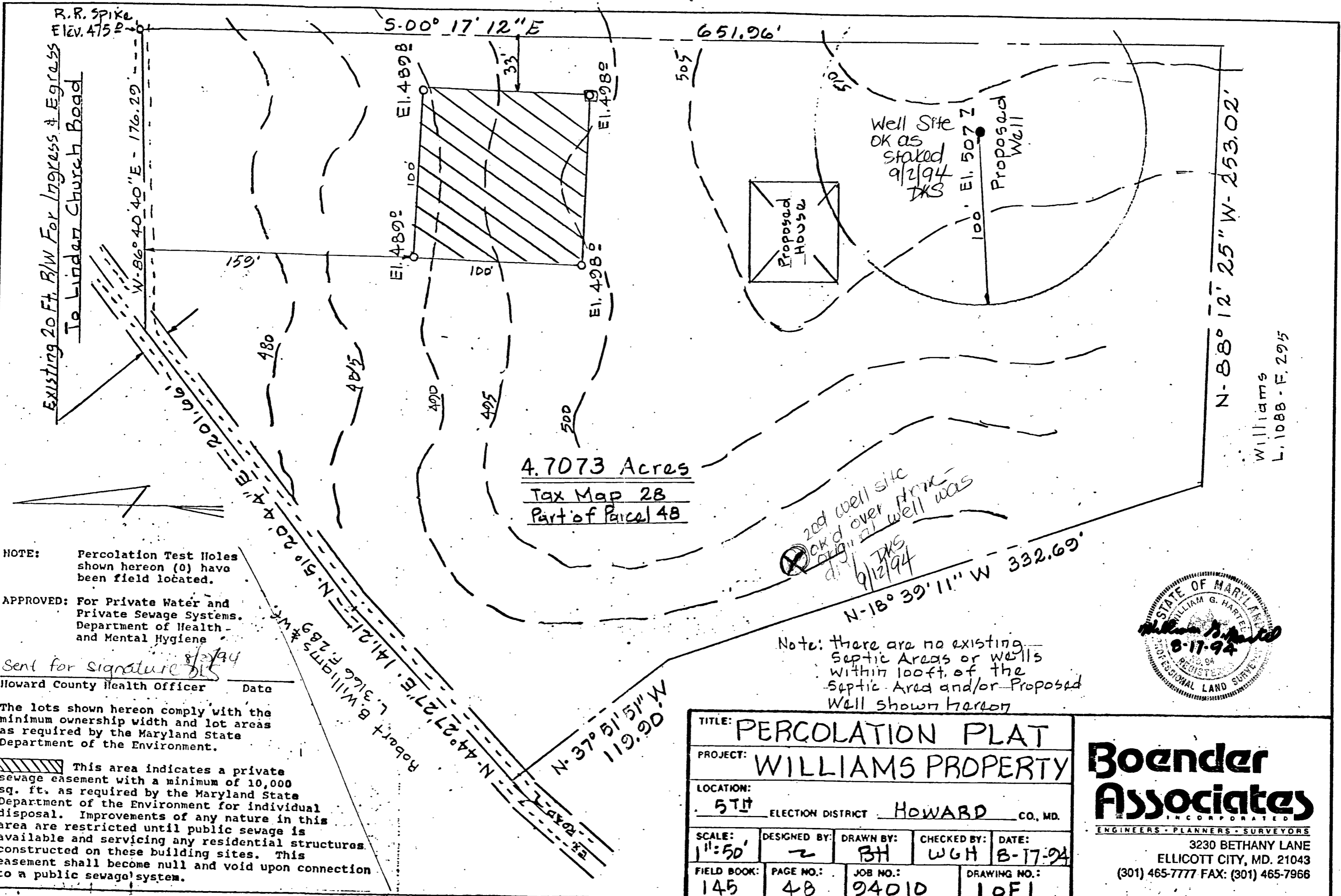
IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED

WELL HYDROFRACTURED YES (N)

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)



R.R. SPIKE  
Elev. 475.2

Existing 20 Ft. R/W For Ingress & Egress  
To Linden Church Road

W-86° 40' 40" E - 176.29'

S-00° 17' 12" E

651.96'

Elev. 489.8

Elev. 498.8

Elev. 489.8

Elev. 498.8

4.7073 Acres  
Tax Map 28  
Part of Parcel 48

Proposed House

Well Site  
OK as  
staked  
9/2/94  
DKS

Proposed Well

N-88° 12' 25" W - 253.02'

Williams  
L. 1088 - F. 2915

200' well site  
OK'd over phone  
div. original well was  
9/12/94  
DKS

Note: there are no existing  
Septic Areas or wells  
within 100ft. of the  
Septic Area and/or Proposed  
Well shown hereon

NOTE: Percolation Test Holes shown hereon (O) have been field located.

APPROVED: For Private Water and Private Sewage Systems.  
Department of Health and Mental Hygiene

Sent for signature *[Signature]*  
Howard County Health Officer Date

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of the Environment.

This area indicates a private sewage easement with a minimum of 10,000 sq. ft. as required by the Maryland State Department of the Environment for individual disposal. Improvements of any nature in this area are restricted until public sewage is available and servicing any residential structures constructed on these building sites. This easement shall become null and void upon connection to a public sewage system.



TITLE: PERCOLATION PLAT			
PROJECT: WILLIAMS PROPERTY			
LOCATION: 5TH ELECTION DISTRICT HOWARD CO., MD.			
SCALE: 1"=50'	DESIGNED BY: [Signature]	DRAWN BY: BH	CHECKED BY: WGH
FIELD BOOK: 145	PAGE NO.: 48	JOB NO.: 94010	DATE: 8-17-94
DRAWING NO.: 10F1			

**Boender Associates**  
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